





preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) it has been subject to such filing requirements for the past 90 days. A Yes A No A Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (A 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). A Yes A No A Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. Large accelerated filer Accelerated filer Smaller reporting company Non-accelerated filer Emerging growth company If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). A Yes A No A Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date. Ordinary Shares Outstanding at December 31, 2024 Ordinary Shares, \$0.01 par value per share 660,594,161 JOHNSON CONTROLS INTERNATIONAL PLC Form 10-Q Report Index A Page Part I. Financial Information Item 1. Financial Statements (unaudited) Consolidated Statements of Income for the Three Month Periods Ended December 31, 2024 and 2023 Consolidated Statements of Comprehensive Income for the Three Month Periods Ended December 31, 2024 and 2023 Consolidated Statements of Financial Position at December 31, 2024 and September 30, 2024 Consolidated Statements of Cash Flows for the Three Month Periods Ended December 31, 2024 and 2023 Consolidated Statements of Shareholders' Equity for the Three Month Periods Ended December 31, 2024 and 2023 Notes to Consolidated Financial Statements Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations Item 3. Quantitative and Qualitative Disclosures About Market Risk Item 4. Controls and Procedures Part II. Other Information Item 1. Legal Proceedings Item 1A. Risk Factors Item 2. Unregistered Sales of Equity Securities and Use of Proceeds Item 5. Other Information Part I. FINANCIAL INFORMATION Item 1. FINANCIAL STATEMENTS Johnson Controls International plc Consolidated Statements of Income (in millions, except per share data; unaudited) Three Months Ended December 31, 2024 and 2023 Net sales Products and systems \$3,685.4 \$3,604.4 Services 1,741.1 1,605.5 4,266.5 2,509.4 Cost of sales Products and systems 2,456.4 2,490.4 Services 1,044.9 941.4 3,500.4 3,431.4 Gross profit 1,926.1 1,778.4 Selling, general and administrative expenses 1,399.1 1,334.4 Restructuring and impairment costs 33.3 35.4 Net financing charges 86.4 87.4 Equity loss (2) Income from continuing operations before income taxes 408.4 320.4 Income tax provision (benefit) 47.4 (20) Income from continuing operations 361.4 340.4 Income from discontinued operations, net of tax (Note 3) 90.4 64.4 Net income 451.4 404.4 Income (loss) attributable to noncontrolling interests Continuing operations (2) Discontinued operations 34.4 30.4 Net income attributable to Johnson Controls 419.4 374.4 Income attributable to Johnson Controls Continuing operations 363.4 340.4 Discontinued operations 56.4 34.4 Total 419.4 374.4 Basic earnings per share attributable to Johnson Controls Continuing operations \$0.55 \$0.50 Discontinued operations 0.08 0.05 Total 0.63 \$0.55 Diluted earnings per share attributable to Johnson Controls Continuing operations \$0.55 \$0.50 Discontinued operations 0.08 0.05 Total 0.63 \$0.55 The accompanying notes are an integral part of the consolidated financial statements. Johnson Controls International plc Consolidated Statements of Comprehensive Income (in millions; unaudited) Three Months Ended December 31, 2024 and 2023 Net income \$45.1 \$40.4 Other comprehensive income (loss), net of tax: Foreign currency translation adjustments (146) 62.4 Realized and unrealized gains (losses) on derivatives 12.4 (42) Pension and postretirement plans (1) (1) Other comprehensive income (loss) (135) 19.4 Total comprehensive income 316.4 223.4 Comprehensive income attributable to noncontrolling interests: Net income 32.4 30.4 Other comprehensive income (loss), net of tax: Foreign currency translation adjustments (61) 1.4 Realized and unrealized gains (losses) on derivatives 6.4 (4) Other comprehensive loss (55) (3) Comprehensive income attributable to noncontrolling interests (23) 2.4 Comprehensive income attributable to Johnson Controls 339.4 396.4 The accompanying notes are an integral part of the consolidated financial statements. Johnson Controls International plc Consolidated Statements of Financial Position (in millions, except par value; unaudited) December 31, 2024 September 30, 2024 Assets Cash and cash equivalents 1,237.4 \$606.4 Accounts receivable, less allowance for 1,543.4 1,475.4 Retained earnings 691.4 848.4 Accumulated other comprehensive loss (1,044) (964) Shareholders' equity attributable to Johnson Controls 15,900.4 16,098.4 Noncontrolling interests 1,230.4 1,263.4 Total equity 17,130.4 17,361.4 Total liabilities and equity \$42,098.4 \$42,695.4 The accompanying notes are an integral part of the consolidated financial statements. Johnson Controls International plc Consolidated Statements of Cash Flows (in millions; unaudited) Three Months Ended December 31, 2024 and 2023 Operating Activities of Continuing Operations Income from continuing operations attributable to Johnson Controls 363.4 \$340.4 Loss from continuing operations attributable to noncontrolling interests (2) Discontinued operations 361.4 340.4 Adjustments to reconcile net income to cash provided by operating activities: Depreciation and amortization 193.4 208.4 Pension and postretirement income and contributions (16) (16) Deferred income taxes (54) (80) Noncash restructuring and impairment charges 8.4 9.4 Equity-based compensation 28.4 29.4 Other - net (8) (22) Changes in assets and liabilities, excluding acquisitions and divestitures: Accounts receivable 284.4 40.4 Inventories (15) (106) Other assets (17) (195) Restructuring reserves 2.4 (14) Accounts payable and accrued liabilities (407) (315) Accrued income taxes 28.4 11.4 Cash provided (used) by operating activities from continuing operations 249.4 (111) Investing Activities of Continuing Operations Capital expenditures (116) (82) Other - net 11.4 18.4 Cash used by investing activities from continuing operations (105) (64) Financing Activities of Continuing Operations Net proceeds from borrowings with maturities less than three months 12.4 1,116.4 Proceeds from debt 775.4 422.4 Stock repurchases and retirements (330) Discontinued operations 201.4 1,236.4 Discontinued Operations Cash used by operating activities (2) (135) Cash used by investing activities (10) (10) Cash used by financing activities 6.4 (8) Cash used by discontinued operations (12) (153) Effect of exchange rate changes on cash, cash equivalents and restricted cash 154.4 60.4 Change in cash, cash equivalents and restricted cash held for sale 4.4 5.4 Increase in cash, cash equivalents and restricted cash 491.4 973.4 Cash, cash equivalents and restricted cash at beginning of period 767.4 917.4 Cash, cash equivalents and restricted cash at end of period 1,258.4 1,890.4 Less: Restricted cash 21.4 91.4 Cash and cash equivalents at end of period 1,237.4 \$1,799.4 The accompanying notes are an integral part of the consolidated financial statements. Johnson Controls International plc Consolidated Statements of Shareholders' Equity (in millions, except per share data; unaudited) Three Months Ended December 31, 2024 and 2023 Shareholders' Equity Attributable to Johnson Controls Beginning Balance \$16,545.4 Ordinary Shares - Beginning and ending balance 7.4 Ordinary Shares Held in Treasury, at Cost Beginning balance (1,268) (1,240) Employee equity-based compensation withholding taxes (29) (23) Ending balance (1,297) (1,263) Capital in Excess of Par Value Beginning balance 17,475.4 17,349.4 Share-based compensation expense 24.4 20.4 Other, including options exercised 44.4 12.4 Ending balance 17,543.4 17,381.4 Retained Earnings Beginning balance 848.4 1,384.4 Net income attributable to Johnson Controls 419.4 374.4 Cash dividends declared (246) (252) Repurchases and retirements of ordinary shares (330) Discontinued operations 691.4 1,506.4 Accumulated Other Comprehensive Income (Loss) Beginning balance (964) (955) Other comprehensive income (loss) (80) (22) Ending balance (1,044) (933) Ending Balance 15,900.4 16,698.4 Shareholders' Equity Attributable to Noncontrolling Interests Beginning Balance 1,263.4 1,149.4 Comprehensive income (loss) attributable to noncontrolling interests (23) 2.4 Dividends attributable to noncontrolling interests (13) Discontinued operations 1,230.4 1,263.4 Other, including options exercised 3.4 Discontinued operations 1,230.4 1,263.4 Total Shareholders' Equity \$17,130.4 \$17,361.4 Cash Dividends Declared per Ordinary Share \$0.37 \$0.37 The accompanying notes are an integral part of the consolidated financial statements. Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) 1. BASIS OF PRESENTATION The consolidated financial statements include the consolidated accounts of Johnson Controls International plc, a public limited company organized under the laws of Ireland, and its subsidiaries (Johnson Controls International plc and all its subsidiaries, hereinafter collectively referred to as the "Company" or "Johnson Controls"). In the opinion of management, the accompanying unaudited consolidated financial statements contain all adjustments (which include normal recurring adjustments) necessary to state fairly the financial position, results of operations and cash flows for the periods presented. Certain information and footnote disclosures normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") have been omitted pursuant to the rules and regulations of the United States Securities and Exchange Commission ("SEC"). These consolidated financial statements should be read in conjunction with the audited financial statements and notes thereto included in the Company's Annual Report on Form 10-K for the year ended September 30, 2024 filed with the SEC on November 19, 2024. The results of operations for the three month period ended December 31, 2024 are not necessarily indicative of results for the Company's 2025 fiscal year because of seasonal and other factors. Nature of Operations Johnson Controls International plc, headquartered in Cork, Ireland, is a global leader in smart, healthy and sustainable buildings, serving a wide range of customers around the globe. The Company's products, services, systems and solutions advance the safety, comfort and intelligence of spaces to serve people, places and the planet. The Company is committed to helping its customers win and creating greater value for all of its stakeholders through its strategic focus on buildings. The Company is a global leader in engineering, manufacturing, commissioning and retrofitting building products and systems, including residential and commercial heating, ventilating, air-conditioning ("HVAC") equipment, industrial refrigeration systems, controls, security systems, fire-detection systems and fire-suppression solutions. The Company further serves customers by providing technical services, including maintenance, management, repair, retrofit and replacement of equipment (in the HVAC, industrial refrigeration, controls, security and fire-protection space) and energy-management consulting. The Company's OpenBlue digital software platform enables enterprises to better manage their physical spaces by combining the Company's building products and services with cutting-edge technology and digital capabilities to enable data-driven smart building services and solutions. The Company partners with customers by leveraging its broad product portfolio and digital capabilities, together with its direct channel service and solutions capabilities, to deliver outcome-based solutions across the lifecycle of a building that address customers' needs to improve energy efficiency, enhance security, create healthy environments and reduce greenhouse gas emissions. As discussed in more detail in Note 3, "Assets and Liabilities Held for Sale and Discontinued Operations", the Company has entered into a definitive agreement to sell its Residential and Light Commercial ("R&L") HVAC business, including the North America Ducted business and the global Residential joint venture with Hitachi Global Life Solutions, Inc. ("Hitachi"), of which Johnson Controls owns 60% and Hitachi owns 40%. The R&L HVAC business, which was previously reported in the Global Products segment, meets the criteria to be classified as a discontinued operation and, as a result, its historical financial results are reflected in the consolidated financial statements as a discontinued operation, and assets and liabilities are classified as held for sale for all periods presented. Unless otherwise noted, all activities and amounts reported in the following footnotes relate to the continuing operations of the Company and exclude activities and amounts related to the R&L HVAC business. Principles of Consolidation The consolidated financial statements include the consolidated accounts of Johnson Controls International plc and its subsidiaries that are consolidated in conformity with U.S. GAAP. The results of companies acquired or disposed of during the reporting period are included in the consolidated financial statements from the effective date of acquisition or up to the date of disposal. Investments in partially-owned affiliates are accounted for by the equity method when the Company exercises significant influence, which typically occurs when its ownership interest exceeds 20%, and the Company does not have a controlling interest. Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) The Company consolidates variable interest entities ("VIE") when it has the power to direct the significant activities of the entity and the obligation to absorb losses or receive benefits from the entity that may be significant. The Company did not have any material consolidated or nonconsolidated VIEs for the presented reporting periods. 2. NEW ACCOUNTING STANDARDS Recently Adopted Accounting Pronouncements In September 2022, the FASB issued ASU 2022-04, "Disclosure of Supplier Finance Program Obligations," which is intended to enhance the transparency surrounding the use of supplier finance programs. Supplier finance programs may also be referred to as reverse factoring, payables finance, or structured payables arrangements. The amendments require a buyer that uses supplier finance programs to make annual disclosures about the program's key terms, the balance sheet presentation of related amounts, the confirmed amount outstanding at the end of the period, and associated rollforward information. Only the amount outstanding at the end of the period must be disclosed in interim periods. The Company adopted the new disclosures, other than the rollforward disclosure, as required at the beginning of fiscal 2024. The rollforward disclosure will be adopted as required in fiscal 2025. Amounts outstanding related to supply chain financing ("SCF") programs are included in accounts payable in the consolidated statements of financial position. Accounts payable included in the SCF programs were approximately \$733.4 million and \$703.4 million as of December 31, 2024 and September 30, 2024, respectively. Recently Issued Accounting Pronouncements In November 2024, the FASB issued ASU 2024-03, "Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses," which is intended to enhance transparency into the nature and function of expenses. The amendments require that on an annual and interim basis, entities disclose disaggregated operating expense information about specific categories, including purchases of inventory, employee compensation, depreciation, amortization and depletion. The Company expects to adopt the new annual disclosures as required for fiscal 2028 and the interim disclosures as required beginning with the first quarter of fiscal 2029. In December 2023, the FASB issued ASU 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which is intended to enhance the transparency about income tax information through improvements to income tax disclosures primarily related to the rate reconciliation and income taxes paid information. The amendments require that on an annual basis, entities disclose specific categories in the rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, the amendments require that entities disclose additional information about income taxes paid as well as additional disclosures of pretax income and income tax expense, and remove the requirement to disclose certain items that are no longer considered cost beneficial or relevant. The Company expects to adopt the new annual disclosures as required for fiscal 2026. In November 2023, the FASB issued ASU 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," which is intended to improve reportable segment disclosures, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment and contain other disclosure requirements. The Company expects to adopt the new annual disclosures as required for fiscal 2025 and the interim disclosures as required beginning with the first quarter of fiscal 2026. Other recently issued accounting pronouncements are not expected to have a material impact on the Company's consolidated financial statements. 3. ASSETS AND LIABILITIES HELD FOR SALE AND DISCONTINUED OPERATIONS In July 2024, the Company entered into a definitive agreement to sell its R&L HVAC business, which includes the North America Ducted businesses and the global Residential joint venture with Hitachi, of which Johnson Controls owns 60% and Hitachi owns 40%, to Bosch Group for approximately \$8.1 billion in cash with the Company's portion of the aggregate consideration being approximately \$6.7 billion, inclusive of an upfront royalty payment for the licensing of the York trademark. The transaction is expected to close in the fourth quarter of fiscal 2025, subject to required regulatory approvals and other customary closing conditions. The R&L HVAC business, which was previously reported in the Global Products segment, meets the criteria to be classified as discontinued operations as it represents a strategic shift in the Company's operations and results in the exit of substantially all of its residential and light commercial HVAC businesses. Results of the business are presented in discontinued operations for all periods presented. The Company determined that the assets and liabilities for the R&L HVAC business met the held for sale criteria during the fourth quarter of 2024. Accordingly, the businesses' assets and liabilities were reclassified in the consolidated balance sheets at December 31, 2024 and September 30, 2024 to held for sale, and the Company ceased recording depreciation and amortization for the held for sale assets. The following table summarizes the results of the R&L HVAC business which are reported as discontinued operations (in

millions):Three Months Ended December 31,20242023Net sales\$966.4 \$885.4 Cost of goods sold731.6 671.6 Gross profit235.4 214.4 Selling, general and administrative expenses183.4 180.4 Restructuring and impairment costs4.4 Net financing charges(1)11.1 Equity income65.4 64.4 Income from discontinued operations before income taxes114.4 83.4 Provision for income taxes on discontinued operations2.4 1.9 Income from discontinued operations, net of tax90.4 64.4 Income from discontinued operations attributable to noncontrolling interest, net of tax3.4 3.0 Income from discontinued operations\$56.6 \$34.4 10Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) The following table summarizes the assets and liabilities of the R&L HVAC business which were classified as held for sale (in millions): December 31, 2024September 30, 2024Cash\$2.2 \$5.4 Accounts receivable - net\$5.9 5.2 Inventories9.7 8.7 Other current assets13.8 12.2 Current assets held for sale1,658.1 1,595.4 Property, plant and equipment - net7.4 7.3 Goodwill1,130.1 1,182.2 Other intangible assets - net9.4 9.6 Investments in partially-owned affiliates83.3 83.3 4.9 Other noncurrent assets186.4 190.4 Noncurrent assets held for sale2,986.4 3,210.4 Total assets classified as held for sale\$4,644.4 \$4,805.4 Accounts payable\$887.4 \$91.7 Accrued compensation and benefits99.4 113.4 Deferred revenue112.4 84.4 Other current liabilities 22.4 31.7 Current liabilities held for sale1,322.1 1,431.4 Pension and postretirement benefit obligations25.4 28.4 Other noncurrent liabilities38.2 37.7 Noncurrent liabilities held for sale40.7 40.5 Total liabilities classified as held for sale\$1,729.1 \$1,836.6 Assets and liabilities classified as held for sale are required to be recorded at the lower of carrying value or fair value less costs to sell. As of December 31, 2024, the estimated fair value less costs to sell of the held for sale businesses exceeded their carrying value, and therefore, no adjustment was necessary. 11Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) 4. A A A REVENUE RECOGNITIONDisaggregated RevenueThe following tables present the Company's revenues disaggregated by segment and by Products & Systems and Services revenue (in millions):Three Months Ended December 31,20242023Products & SystemsServicesTotalProducts & SystemsServicesTotalBuilding Solutions North America\$1,695.4 \$1,049.4 \$2,744.4 \$1,518.4 \$969.4 \$2,487.4 Building Solutions EMEA/LAS/74.4 49.4 1,073.4 57.2 466.4 1,038.4 Building Solutions Asia Pacific33.4 19.4 52.7 33.7 17.0 50.7 Global Products1,082.4 46.4 1,082.4 1,177.4 685.4 \$1,741.5 \$4,264.4 \$3,604.4 \$1,605.4 \$5,209.4 The following table presents further disaggregation of Global Products segment revenues by product type (in millions):Three Months Ended December 31,20242023HVAC\$468.4 \$533.4 Fire & Security522.4 547.4 Industrial Refrigeration9.2 9.7 Total\$1,082.4 \$1,177.4 Contract BalancesContract assets relate to the Company's right to consideration for performance obligations satisfied but not billed. Contract liabilities relate to customer payments received in advance of satisfaction of performance obligations under the contract. Contract balances are classified as assets or liabilities on a contract-by-contract basis at the end of each reporting period. The following table presents the location and amount of contract balances in the Company's consolidated statements of financial position (in millions):Location of contract balancesDecember 31, 2024September 30, 2024Contract assets - currentAccounts receivable - net\$1,917.4 \$1,931.4 Contract assets - noncurrentOther noncurrent assets\$6.4 1.1 Contract liabilities - currentDeferred revenue\$2,211.4 2,160.4 Contract liabilities - noncurrentOther noncurrent liabilities\$25.4 25.4 For the three months ended December 31, 2024 and 2023, the Company recognized revenue of \$878 million and \$839 million, respectively, that was included in the contract liability balance at the end of the prior fiscal year. Performance ObligationsA performance obligation is a distinct good, service, or a bundle of goods and services promised in a contract. A contract's transaction price is allocated to each distinct performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. When contracts with customers require significant and complex integration, contain 12Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) goods or services which are highly interdependent or interrelated, or are goods or services which significantly modify or customize other promises in the contracts and, therefore, are not distinct, then the entire contract is accounted for as a single performance obligation. For any contracts with multiple performance obligations, the contract's transaction price is allocated to each performance obligation based on the estimated relative standalone selling price of each distinct good or service in the contract. For product sales, each product sold to a customer typically represents a distinct performance obligation. Performance obligations are satisfied at a point in time or over time. The timing of satisfying the performance obligation is typically stipulated by the terms of the contract. As of December 31, 2024, the aggregate amount of the transaction price allocated to remaining performance obligations was approximately \$20.9 billion, of which approximately 64% is expected to be recognized as revenue over the next two years. The remaining performance obligations expected to be recognized in revenue beyond two years primarily relate to large, multi-purpose construction contracts, which include services to be performed over the building's lifetime, with initial contract terms of 25 to 35 years. Future contract modifications could affect both the timing and the amount of the remaining performance obligations. The Company excludes the value of remaining performance obligations for service contracts with an original expected duration of one year or less and contracts that are cancellable without substantial penalty. Costs to Obtain or Fulfill a ContractThe Company recognizes the incremental costs incurred to obtain or fulfill a contract with a customer as an asset when these costs are recoverable. These costs consist primarily of sales commissions and design costs that relate to a contract or an anticipated contract that the Company expects to recover. Costs to obtain or fulfill a contract are capitalized and amortized over the period of contract performance. The following table presents the location and amount of costs to obtain or fulfill a contract recorded in the Company's consolidated statements of financial position (in millions):December 31, 2024September 30, 2024Other current assets\$27.6 \$26.5 Other noncurrent assets\$28.4 29.1 Total\$56.0 \$56.4 During the three months ended December 31, 2024 and 2023, the Company recognized expense of \$84 million and \$57 million, respectively, related to costs to obtain or fulfill a contract. There were no impairment losses recognized in the three months ended December 31, 2024 and 2023. 5. A A INVENTORIESInventories consisted of the following (in millions):December 31, 2024September 30, 2024Raw materials and supplies\$69.3 \$76.5 Work-in-process140.4 130.4 Finished goods\$90.6 87.9 Inventories\$1,739.1 \$1,774.4 13Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) 6. A A A GOODWILL AND OTHER INTANGIBLE ASSETSThe following table summarizes changes in the carrying amount of goodwill in each of the Company's reportable segments (in millions):Three Months Ended December 31, 2024Building Solutions North AmericaBuilding Solutions EMEA/LABuilding Solutions Asia PacificGlobal ProductsTotalGoodwill\$10,050.4 \$2,039.4 \$1,227.4 \$4,604.4 17,920.4 Accumulated impairment loss(659)(277)â€" (259) (1,195)Balance at beginning of period9,391.4 1,762.4 1,227.4 4,345.4 16,725.4 Foreign currency translation(41)(107)(84)(81)(31)Balance at end of period\$9,350.4 \$1,655.4 \$1,143.4 \$4,264.4 \$16,412.4 Other intangible assets, primarily from business acquisitions, consisted of (in millions):As of December 31, 2024September 30, 2024GrossCarryingAmountAccumulatedAmortizationNetGrossCarryingAmountAccumulatedAmortizationNetDefinite-lived intangible assetsTechnology\$1,570.4 \$(97.3)\$597.4 \$1,592.4 \$(95.5)\$637.4 Customer relationships\$2,571.4 (1,534.1)1,037.4 2,632.4 (1,517.1)1,115.4 Miscellaneous\$77.4 (47.9)39.8 886.4 (480.4)406.4 5,018.4 (2,986.2)2,032.4 5,110.4 (2,952.2)1,584.4 Indefinite-lived intangible assetsTrademarks/trade names1,931.4 46.4 1,931.4 1,972.4 Total intangible assets\$6,949.4 (2,986.2)3,963.4 \$7,082.4 (2,952.2)\$4,130.4 Amortization of other intangible assets included within continuing operations for the three months ended December 31, 2024 and 2023 was \$120.4 million and \$119.4 million, respectively. 7. A A A LEASESThe following table presents supplemental consolidated statement of financial position information (in millions): Location of lease balancesDecember 31, 2024September 30, 2024Operating lease right-of-use assetsOther noncurrent assets\$1,164.4 \$1,170.4 Operating lease liabilities - currentOther current liabilities\$265.2 289.4 Operating lease liabilities - noncurrentOther noncurrent liabilities\$932.9 921.4 The following table presents supplemental noncash operating lease activity (in millions):Three Months Ended December 31,20242023Right-of-use assets obtained in exchange for operating lease liabilities\$130.4 \$76.4 14Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) 8. A A A DEBT AND FINANCING ARRANGEMENTSShort-term debt consisted of the following (in millions):December 31,September 30, 20242024Commercial papers\$309.4 \$350.4 Term loans\$69.4 60.4 Bank borrowings\$4.4 4.4 \$882.4 \$953.4 Weighted average interest rate on short-term debt outstanding3.7% 4.8% As of December 31, 2024, the Company had two syndicated committed revolving credit facilities, including \$2.5 billion which is scheduled to expire in December 2028 and \$500 million which is scheduled to expire in December 2025. There were no draws on the facilities as of December 31, 2024. In December 2024, the Company and its wholly-owned subsidiary, Tyco Fire & Security Finance S.C.A., co-issued the following unsecured, unsubordinated senior notes:â€"â€"â€"2024 4.900% Senior Notes due December 2032. These notes are a further issuance of the \$400 million, 4.900% Senior Notes due 2032, which were originally issued in September 2022.â€"â€"500 million 3.125% Senior Notes due December 2033. 9. A A A DERIVATIVE INSTRUMENTS AND HEDGING ACTIVITIESCash Flow HedgesThe Company has global operations and participates in foreign exchange markets to minimize its risk of loss from fluctuations in foreign currency exchange rates. The Company selectively hedges anticipated transactions that are subject to foreign exchange rate risk primarily using foreign currency exchange forward contracts. The Company hedges 70% to 90% of the notional amount of each of its known foreign exchange transactional exposures. The Company selectively hedges anticipated transactions that are subject to commodity price risk, primarily using commodity hedge contracts, to minimize overall price risk associated with the Company's purchases of copper and aluminum in cases where commodity price risk cannot be naturally offset or hedged through supply base fixed price contracts. Commodity risks are systematically managed pursuant to policy guidelines. The maturities of the commodity hedge contracts coincide with the expected purchase of the commodities. As cash flow hedges under ASC 815, "Derivatives and Hedging," the hedge gains or losses due to changes in fair value are initially recorded as a component of accumulated other comprehensive income ("AOCI") and are subsequently reclassified into earnings when the hedged transactions occur and affect earnings. These contracts were highly effective in hedging the variability in future cash flows attributable to changes in currency exchange rates and commodity prices during the three months ended December 31, 2024 and 2023. The Company had the following outstanding contracts to hedge forecasted commodity purchases (in metric tons):A Volume Outstanding as ofCommodityDecember 31, 2024September 30, 2024Copper2,880.4 2,676.4 Aluminum 2,471.4 2,450.4 15Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) The Company may enter into forward-starting interest rate swaps in conjunction with anticipated note issuances to manage exposure to interest rate changes. The forward-starting interest swaps are terminated when the anticipated notes are issued. As of December 31, 2023, \$600 million of forward-starting interest swaps were outstanding on an \$800 million anticipated note issuance which was subsequently terminated in fiscal 2024 once the note issuance was no longer highly likely to occur. Accumulated amounts previously recorded in AOCI were not material and were recognized as net financing charges in the consolidated statements of income when the swaps were terminated. Net Investment HedgesThe Company enters into cross-currency interest rate swaps and foreign currency denominated debt obligations to selectively hedge portions of its net investment in non-U.S. subsidiaries. The currency effects of the cross-currency interest rate swaps and debt obligations are reflected in the AOCI account within shareholders' equity attributable to Johnson Controls ordinary shareholders where they offset gains and losses recorded on the Company's net investments globally. The following table summarizes net investment hedges (in billions):December 31,September 30,20242024Euro-denominated bonds designated as net investment hedges in Europeâ€"2.9 â€"2.9 Yen-denominated debt designated as a net investment hedge in Japanâ€"30.4 30.4 Derivatives Not Designated as Hedging InstrumentsThe Company holds certain foreign currency forward contracts not designated as hedging instruments under ASC 815 to hedge foreign currency exposure resulting from monetary assets and liabilities denominated in nonfunctional currencies. The changes in fair value of these foreign currency forward exchange derivatives are recorded in the consolidated statements of income where they offset foreign currency transactional gains and losses on the nonfunctional currency denominated assets and liabilities being hedged. 16Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) Fair Value of Derivative InstrumentsThe following table presents the location and fair values of derivative instruments and hedging activities included in the Company's consolidated statements of financial position (in millions):A Derivatives and Hedging Activities Designated as Hedging Instruments Derivatives and Hedging Activities Not Designated as Hedging Instruments A December 31,September 30,December 31,September 30,2024202420242024Other current assetsForeign currency exchange derivatives\$42.4 \$19.4 \$4.4 \$1.4 Interest rate swaps\$4.2 2.4 4.4 4.4 Total assets\$42.4 \$21.4 \$4.4 \$1.4 Other current liabilitiesForeign currency exchange derivatives\$26.4 \$24.4 \$6.4 \$1.4 A A A Commodity derivatives\$3.4 1.4 A A A Long-term debtForeign currency denominated debt\$3,186.4 3,424.4 521.4 A Total liabilities\$3,215.4 \$3,449.4 \$587.4 \$1.4 Counterparty Credit RiskThe use of derivative financial instruments exposes the Company to counterparty credit risk. The Company has established policies and procedures to limit the potential for counterparty credit risk, including establishing limits for credit exposure and continually assessing the creditworthiness of counterparties. As a matter of practice, the Company deals with major banks worldwide having strong investment grade long-term credit ratings. To further reduce the risk of loss, the Company generally enters into International Swaps and Derivatives Association ("ISDA") master netting agreements with substantially all of its counterparties. The Company enters into ISDA master netting agreements with counterparties that permit the net settlement of amounts owed under the derivative contracts. The master netting agreements generally provide for net settlement of all outstanding contracts with a counterparty in the case of an event of default or a termination event. The Company has not elected to offset the fair value positions of the derivative contracts recorded in the consolidated statements of financial position. The Company's derivative contracts do not contain any credit risk related contingent features and do not require collateral or other security to be furnished by the Company or the counterparties. The Company's exposure to credit risk associated with its derivative instruments is measured on an individual counterparty basis, as well as by groups of counterparties that share similar attributes. The Company does not anticipate any non-performance by any of its counterparties, and the concentration of risk with financial institutions does not present significant credit risk to the Company. The gross and net amounts of derivative assets and liabilities were as follows (in millions):A Fair Value of AssetsFair Value of LiabilitiesA December 31,September 30,December 31,September 30,2024202420242024Gross amount recognized\$42.4 \$22.4 \$3,802.4 \$3,450.4 Gross amount eligible for offsetting(14)(12)(14)(12)Net amounts\$28.4 \$10.4 \$3,788.4 \$3,438.4 17Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) Derivatives Impact on the Statements of Income and Statements of Comprehensive IncomeThe following table presents the pre-tax gains (losses) recorded in other comprehensive income (loss) related to cash flow hedges (in millions):A A A Derivatives in Cash Flow Hedging RelationshipsThree Months Ended December 31,20242023Foreign currency exchange derivatives\$17.4 \$(13)Commodity derivatives(3)A Interest rate swaps\$4.4 (3)Total\$14.4 \$(4)The following table presents the location and amount of the pre-tax gains (losses) on derivatives not designated as hedging instruments recognized in the Company's consolidated statements of income (in millions):Derivatives Not Designated as Hedging InstrumentsLocation of Gain (Loss)/Recognized in Income on DerivativeThree Months Ended December 31,20242023Foreign currency exchange derivativesCost of sales\$(7)\$(5)Foreign currency exchange derivativesSG&A(2)â€" Foreign currency exchange derivativesNet financing charges(144)(43)Total\$(153)\$(48)The following table presents pre-tax gains on net investment hedges recorded as foreign currency translation adjustments ("CTA") within other comprehensive income (loss) (in millions):Three Months Ended December 31,20242023Net investment hedges\$238.4 \$145.4 No gains or losses were reclassified from CTA into income during the three months ended December 31, 2024 and 2023. 10. A A A FAIR VALUE MEASUREMENTSASC 820, "Fair Value Measurement," defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 also establishes a three-level fair value hierarchy that prioritizes information used in developing assumptions when pricing an asset or liability as follows:Level 1: Observable inputs such as quoted prices in active markets for identical assets or liabilities; 18Johnson Controls International plcNotes to Consolidated Financial Statements December 31, 2024(unaudited) Level 2: Quoted prices in active markets for similar assets or liabilities, quoted prices for identical or similar assets or liabilities in markets that are not active, or inputs, other than quoted prices in active markets, that are observable either directly or indirectly; andLevel 3: Unobservable inputs where there is little or no market data, which requires the reporting entity to develop its own assumptions.ASC 820 requires the use of observable market data, when available, in making fair value measurements. When inputs used to measure fair value fall within different levels of the hierarchy, the level within which the fair value measurement is categorized is based on the lowest level input that is significant to the fair value measurement.Recurring Fair Value MeasurementsThe following tables present the Company's fair value hierarchy for those assets and liabilities measured at fair value (in millions):A Fair Value Measurements Using:A Total as of December 31, 2024QuotedA Prices in Active Markets(Level 1)SignificantOtherObservableInputs(Level 2)SignificantUnobservableInputs(Level 3)Other current assetsForeign currency exchange derivatives\$42.4 \$42.4 A Other noncurrent assetsDeferred compensation plan assets\$7.4 5.7 A A Exchange traded funds (fixed income)(1) 76.4 6.4 A A Exchange traded funds (equity)(1) 20.1 20.1 A A Total assets\$376.4 \$334.4 \$42.4 A Other



definition of hazardous waste. In August 2022, EPA published a proposed rule that would designate PFOA and PFOS as "hazardous substances" under Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"). In April 2023, EPA issued an Advanced Notice of Proposed Rulemaking ("ANPR") seeking input on whether it should expand the proposed rule to designate as "hazardous substances" under CERCLA: (1) seven additional PFAS; (2) the precursors to PFOA, PFOS, and the seven additional PFAS; or (3) entire categories of PFAS. On April 17, 2024, the EPA Administrator signed the final rule designating PFOA and PFOS, along with their salts and structural isomers, as "hazardous substances." It is not possible to estimate the Company's ultimate level of liability at many remediation sites due to the large number of other parties that may be involved, the complexity of determining the relative liability among those parties, the financial viability of other potentially responsible parties and third-party indemnitors, the uncertainty as to the nature and scope of the investigations and remediation to be conducted, changes in environmental regulations, changes in permissible levels of specific compounds in soil, groundwater and drinking water sources, or changes in enforcement theories and policies, including efforts to recover natural resource damages, the uncertainty in the application of law and risk assessment, the various choices and costs associated with diverse technologies that may be used in corrective actions at the sites, and the often quite lengthy periods over which eventual remediation may occur. It is possible that technological, regulatory or enforcement developments, the results of additional environmental studies or other factors could change the Company's expectations with respect to future charges and cash outlays, and such changes could be material to the Company's future results of operations, financial condition or cash flows. Nevertheless, the Company does not currently believe that any claims, penalties or costs in addition to the amounts accrued will have a material adverse effect on the Company's financial position, results of operations or cash flows. In addition, the Company has identified asset retirement obligations for environmental matters that are expected to be addressed at the retirement, disposal, removal or abandonment of existing owned facilities. Conditional asset retirement obligations were \$7.4 million at both December 31, 2024 and September 30, 2024.

**FTC-Related Matters****FTC Remediation**The use of fire-fighting foams at the FTC was primarily for training and testing purposes to ensure that such products sold by the Company's affiliates, Chemguard, Inc. ("Chemguard") and Tyco Fire Products, were effective at suppressing high intensity fires that may occur at military installations, airports or elsewhere. During the three months ended June 30, 2024, Tyco Fire Products completed its previously announced plan to discontinue the production and sale of fluorinated firefighting foams, including AFFF products, and has transitioned to non-fluorinated foam alternatives. Tyco Fire Products has been engaged in remediation activities at the Stanton Street Facility since 1990. Its corporate predecessor, Ansil Incorporated (an Ansil affiliate), manufactured arsenic-based agricultural herbicides at the Stanton Street Facility, which resulted in significant arsenic contamination of soil and groundwater on the site and in parts of the adjoining Menominee River. In 2009, Ansil entered into an Administrative Consent Order (the "Consent Order") with the EPA to address the presence of arsenic at the site. Under this agreement, Tyco Fire Products' principal obligations are to contain the arsenic contamination on the site, pump and treat on-site groundwater, dredge, treat and properly dispose of contaminated sediments in the adjoining river areas, and monitor contamination levels on an ongoing basis. Activities completed under the Consent Order since 2009 include the installation of a subsurface barrier wall around the facility to contain contaminated groundwater, the installation and ongoing operation and monitoring of a groundwater extraction and Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) treatment system and the dredging and offsite disposal of treated river sediment. In addition to ongoing remediation activities, the Company is also working with the Wisconsin Department of Natural Resources ("WDNR") to investigate and remediate the presence of PFAS at or near the Stanton Street Facility as part of the evaluation and remediation of PFAS in the Marinette region. Tyco Fire Products is operating and monitoring at the FTC a Groundwater Extraction and Treatment System ("GETS"), a permanent groundwater remediation system that extracts groundwater containing PFAS, treats it using advanced filtration systems, and returns the treated water to the environment. Tyco Fire Products has also completed the removal and disposal of PFAS-affected soil from the FTC. The Company's reserves for continued remediation of the FTC, the Stanton Street Facility and surrounding areas in Marinette and Peshtigo are based on estimates of costs associated with the long-term remediation actions, including the continued operation of the GETS, the implementation of long-term drinking water solutions for the area impacted by groundwater migrating from the FTC, continued monitoring and testing of groundwater monitoring wells, the operation and wind-down of other legacy remediation and treatment systems and the completion of ongoing investigation obligations.

**FTC-Related Litigation** On June 21, 2019, the WDNR announced that it had received from the Wisconsin Department of Health Services (an WDHS affiliate) a recommendation for groundwater quality standards as to, among other compounds, PFOA and PFOS. The WDHS recommended a groundwater enforcement standard for PFOA and PFOS of 20 parts per trillion. Although Wisconsin approved final regulatory standards for PFOA and PFOS in drinking water and surface water in February 2022, the Wisconsin Natural Resources Board did not approve WDNR's proposed standards for PFOA and PFOS in groundwater. In August 2024, WDNR issued a new proposed rule to adopt the EPA Maximum Contaminant Levels for PFAS in drinking water. The WDNR initiated a rulemaking proceeding that would establish groundwater quality standards for PFOA, PFOS, perfluorobutane sulfonic acid and its potassium salt (an PFBS affiliate) and hexafluoropropylene oxide dimer acid and its ammonium salt (an HFPO-DA affiliate). Pursuant to state law, the WDNR has stopped work on the proposed rule and notified the state legislature that, following economic analysis, the proposed costs would exceed statutory thresholds. As a result, the state legislature is required to authorize the WDNR to allow the rulemaking to continue. In July 2019, the Company received a letter from the WDNR directing the expansion of the evaluation of PFAS in the Marinette region to include (1) biosolids sludge produced by the City of Marinette Waste Water Treatment Plant and spread on certain fields in the area and (2) the Menominee and Peshtigo Rivers. On October 16, 2019, the WDNR issued a Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. regarding the WDNR's July 2019 letter. The WDNR issued a further letter regarding the issue on November 4, 2019. In February 2020, the WDNR sent a letter to Tyco Fire Products and Johnson Controls, Inc. further directing the expansion of the evaluation of PFAS in the Marinette region to include investigation activities south and west of the previously defined FTC study area. In September 2021, the WDNR sent an additional Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. concerning land-applied biosolids, which reviewed and responded to the Company's biosolids investigation conducted to that date. On April 10, 2023, the WDNR issued a third Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. concerning land-applied biosolids in the Marinette region. Tyco Fire Products and Johnson Controls, Inc. believe that they have complied with all applicable environmental laws and regulations. The Company cannot predict what regulatory or enforcement actions, if any, might result from the WDNR's actions, or the consequences of any such actions, including the potential assessment of penalties. In March 2022, the Wisconsin Department of Justice (an WDOJ affiliate) filed a civil enforcement action against Johnson Controls Inc. and Tyco Fire Products in Wisconsin state court relating to environmental matters at the FTC (State of Wisconsin v. Tyco Fire Products, LP and Johnson Controls, Inc., Case No. 22-CX-1 (filed March 14, 2022 in Circuit Court in Marinette County, Wisconsin)). The WDOJ alleges that the Company failed to timely report the presence of PFAS chemicals at the FTC, and that the Company has not sufficiently investigated or remediated PFAS at or near the FTC. The WDOJ seeks monetary penalties and an injunction ordering these two subsidiaries to complete a site investigation and cleanup of PFAS contamination in accordance with the WDNR's requests. The parties are engaged in summary judgment and pretrial motions. The Court has continued the trial previously scheduled for March 3, 2025 and has not yet set a new trial date. Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) In October 2022, the Town of Peshtigo filed a tort action in Wisconsin state court against Tyco Fire Products, Johnson Controls Inc., Chemguard, Inc., and ChemDesign, Inc. relating to environmental matters at the FTC (Town of Peshtigo v. Tyco Fire Products L.P. et al., Case No. 2022CV000234 (filed October 18, 2022 in Circuit Court in Marinette County, Wisconsin)). The Town alleges that use of AFFF products at the FTC caused contamination of water supplies in Peshtigo. The Town seeks monetary penalties and an injunction ordering abatement of PFAS contamination in Peshtigo. The case has been removed to federal court and transferred to a multi-district litigation ("MDL") before the United States District Court for the District of South Carolina. In November 2022, individuals filed six actions in Dane County, Wisconsin alleging personal injury and/or property damage against Tyco Fire Products, Johnson Controls Inc., Chemguard, and other unaffiliated defendants related to environmental matters at the FTC. Plaintiffs allege that use of AFFF products at the FTC and activities by third parties unrelated to the Company contaminated nearby drinking water sources, surface waters, and other natural resources and properties, including their personal properties. The individuals seek monetary damages for their personal injury and/or property damage. These lawsuits have been transferred to the MDL. Subsequently, several additional plaintiffs have direct-filed in the MDL complaints with similar allegations. The Company is vigorously defending each of these cases and believes that it has meritorious defenses, but it is presently unable to predict the duration, scope, or outcome of these actions.

**Aqueous Film-Forming Foam ("AFFF") Matters****AFFF Litigation**Two of the Company's subsidiaries, Chemguard and Tyco Fire Products, have been named, along with other defendant manufacturers, suppliers and distributors, and, in some cases, certain subsidiaries of the Company affiliated with Chemguard and Tyco Fire Products, in a number of class action and other lawsuits relating to the use of fire-fighting foam products by the U.S. Department of Defense (the "DOD") and others for fire suppression purposes and related training exercises. Plaintiffs generally allege that the firefighting foam products contain or break down into the chemicals PFOS and PFOA and/or other PFAS compounds and that the use of these products by others at various airbases, airports and other sites resulted in the release of these chemicals into the environment and ultimately into communities' drinking water supplies neighboring those airports, airbases and other sites. Plaintiffs generally seek compensatory damages, including damages for alleged personal injuries, medical monitoring, diminution in property values, investigation and remediation costs, and natural resources damages, and also seek punitive damages and injunctive relief to address remediation of the alleged contamination. In September 2018, Tyco Fire Products and Chemguard filed a Petition for Multidistrict Litigation with the United States Judicial Panel on Multidistrict Litigation (an JPML affiliate) seeking to consolidate all existing and future federal cases into one jurisdiction. On December 7, 2018, the JPML issued an order transferring various AFFF cases to the MDL. Additional cases have been identified for transfer to or are being directly filed in the MDL. AFFF Municipal and Water Provider Cases Chemguard and Tyco Fire Products have been named as defendants in more than 980 cases in federal and state courts involving municipal or water provider plaintiffs that were filed in state or federal courts originating from 35 states and territories. The vast majority of these cases have been transferred to or were directly filed in the MDL, and it is anticipated that the remaining cases will be transferred to the MDL. These municipal and water provider plaintiffs generally allege that the use of the defendants' fire-fighting foam products at fire training academies, municipal airports, Air National Guard bases, or Navy or Air Force bases released PFOS and PFOA into public water supply wells and/or other public property, allegedly requiring remediation. Tyco Fire Products and Chemguard are also periodically notified by other municipal entities that those entities may assert claims regarding PFOS and/or PFOA contamination allegedly resulting from the use of AFFF.

**Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) Water Systems AFFF Settlement**On April 12, 2024, Tyco Fire Products agreed to a settlement with a nationwide class of public water systems that detected PFAS in their drinking water systems that they allege to be associated with the use of AFFF. Under the terms of the agreement, Tyco Fire Products agreed to contribute \$750 million to resolve these PFAS claims. The settlement releases these claims against Tyco Fire Products, Chemguard, and other related corporate entities. On November 22, 2024, the Court entered final approval of the settlement agreement. In accordance with the terms of the settlement agreement, Tyco Fire Products made its final required payment of \$415.4 million in December 2024 and has now paid the full settlement amount. The class of public water systems included in this settlement broadly includes any public water system (as defined in the settlement agreement) that has detected PFAS in its drinking water sources as of May 15, 2024. The following systems are excluded from the settlement class: water systems owned and operated by a State or the United States government; systems that have not detected the presence of PFAS as of May 15, 2024; small transient water systems; privately-owned drinking water wells; and the water system in the city of Marinette, Wisconsin (which is included only if it so requests). The settlement does not resolve claims of public water systems that request exclusion from the class pursuant to the process to be established by the MDL court. It also does not resolve potential future claims of public water systems that detect PFAS in their water systems for the first time after May 15, 2024, or certain claims not related to drinking water, such as separate alleged claims relating to real property damage or stormwater or wastewater treatment. Finally, this settlement does not affect the other categories of cases that remain at issue in the MDL, such as personal injury cases, property damage cases, other types of class actions, claims brought by state or territory attorneys general, or other types of damages alleged to be related to the historic use of AFFF manufactured and sold by Tyco Fire Products and Chemguard. While it is reasonably possible that the excluded systems or claims could result in additional future lawsuits, claims, assessments or proceedings, it is not possible to predict the outcome of any such matters, and as such, the Company is unable to develop an estimate of a possible loss or range of losses, if any, at this time. The settlement does not constitute an admission of liability or wrongdoing by Tyco Fire Products or Chemguard. AFFF Putative Class Actions Chemguard and Tyco Fire Products are named in 45 pending putative class actions in federal courts originating from 18 states and territories. All of these cases have been direct-filed in or transferred to the MDL. In addition, six proposed class actions were filed in Canada (British Columbia, Manitoba, Quebec and Ontario) in the past year, which name Tyco Fire Products and other manufacturers as defendants, on behalf of various classes of members (including individuals and government entities) who seek to recover for remediation (past and future) costs, claim property or other environmental damages, or claim personal injuries or other harms arising from alleged exposure to or contamination with PFAS or PFAS-containing products (including AFFF). AFFF Individual or Mass Actions There are more than 8,800 individual or "mass" actions pending that were filed in state or federal courts originating from 52 states and territories against Chemguard and Tyco Fire Products and other defendants in which the plaintiffs generally seek compensatory damages, including damages for alleged personal injuries, medical monitoring, and alleged diminution in property values. The cases involve plaintiffs from various states including approximately 7,000 plaintiffs in Colorado and more than 8,800 other plaintiffs. The vast majority of these matters have been tagged for transfer to, transferred to, or directly-filed in the MDL, and it is anticipated that several newly-filed state court actions will be similarly tagged and transferred. There are several matters that are proceeding in state courts, including actions in Arizona, Illinois and Wisconsin. Tyco and Chemguard are also periodically notified by other individuals that they may assert claims regarding PFOS and/or PFOA contamination allegedly resulting from the use of AFFF.

**Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) AFFF State or U.S. Territory Attorneys General Litigation** In June 2018, the State of New York filed a lawsuit in New York state court (State of New York v. The 3M Company et al. No. 904029-18 (N.Y. Sup. Ct., Albany County)) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at locations across New York, including Stewart Air National Guard Base in Newburgh and Gabreski Air National Guard Base in Southampton, Plattsburgh Air Force Base in Plattsburgh, Griffiss Air Force Base in Rome, and unspecified "other" sites throughout the State. The lawsuit seeks to recover costs and natural resource damages associated with contamination at these sites. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In February 2019, the State of New York filed a second lawsuit in New York state court (State of New York v. The 3M Company et al. (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In July 2019, the State of New York filed a third lawsuit in New York state court (State of New York v. The 3M Company et al. (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In November 2019, the State of New York filed a fourth lawsuit in New York state court (State of New York v. The 3M Company et al. (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to federal court and transferred to the MDL. In April 2021, the State of Alaska filed a lawsuit in the superior court of the State of Alaska against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the State's land and natural resources allegedly resulting from the use of firefighting foams at various locations throughout the State. The State's case has been removed to federal court and transferred to the MDL. The State of Alaska has also named a number of manufacturers and other defendants, including affiliates of the Company, as third-party defendants in two cases brought by individuals against the State. These two cases have also been transferred to the MDL. In early November 2021, the Attorney General of the State of North Carolina filed four individual lawsuits in the superior courts of the State of North Carolina against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the State's land, natural resources, and property allegedly resulting from the use of firefighting foams at four separate locations throughout the State. These four cases have been removed to federal court and transferred to the MDL. In October 2022, the Attorney General filed two similar lawsuits in the superior courts of the State of North

Carolina regarding alleged PFAS damages at two additional locations. These two cases have also been removed to federal court and transferred to the MDL. In addition, 33 other states and territories have filed 35 lawsuits against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFAS damage of each of those State's environmental and natural resources allegedly resulting from the manufacture, storage, sale, distribution, marketing, and use of PFAS-containing AFFF within each respective State. The states and territories are: Arkansas, Arizona, California, Colorado, Connecticut, Delaware, the District of Columbia, Florida, Hawaii, Illinois, Indiana, Kentucky, Massachusetts, Maryland, Maine, Michigan, Mississippi, New Hampshire, New Jersey, New Mexico, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Washington, Wisconsin, Guam, the Northern Mariana Islands, and Puerto Rico. All of these complaints, if not filed directly in the MDL, have been removed to federal court and transferred to the MDL. Other AFFF Related Matters In March 2020, the Kalispel Tribe of Indians (a federally recognized Tribe) and two tribal corporations filed a lawsuit in the United States District Court for the Eastern District of Washington against a number of manufacturers, including affiliates of the Company, and the United States with respect to PFAS contamination allegedly resulting from the use and 32 Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) disposal of AFFF by the United States Air Force at and around Fairchild Air Force Base in eastern Washington. This case has been transferred to the MDL. In October 2022, the Red Cliff Band of Lake Superior Chippewa Indians (a federally recognized tribe) filed a lawsuit in the United States District Court for the Western District of Wisconsin against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota. This complaint has been transferred to the MDL. In July 2023, the Fond du Lac Band of Lake Superior Chippewa (a federally recognized tribe) direct-filed a lawsuit in the MDL against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota. The Company is vigorously defending all of the above AFFF matters and believes that it has meritorious defenses to class certification and the claims asserted, including statutes of limitations, the government contractor defense, various medical and scientific defenses, and other factual and legal defenses. The Company has a historical general liability insurance program and is pursuing coverage under the program from various insurers through insurance claims discussions and litigation pending in a state court in Wisconsin and a federal district court in South Carolina. The insurance litigation involves numerous factual and legal issues. There are numerous factual and legal issues to be resolved in connection with these claims. The Company is presently unable to predict the outcome or ultimate financial exposure beyond the water systems AFFF settlement discussed above, if any, represented by these matters, and there can be no assurance that any such exposure will not be material. Asbestos Matters The Company and certain of its subsidiaries, along with numerous other third parties, are named as defendants in personal injury lawsuits based on alleged exposure to asbestos containing materials. These cases have typically involved product liability claims based primarily on allegations of manufacture, sale or distribution of industrial products that either contained asbestos or were used with asbestos containing components. The following table presents the location and amount of asbestos-related assets and liabilities in the Company's consolidated statements of financial position (in millions):

December 31, 2024	September 30, 2024	Other current assets	\$58A	\$58A	Other noncurrent liabilities	344A	350A	Total asbestos-related liabilities	402A	408A	Other current assets	15A	14A	Other noncurrent assets	315A	320A	Total asbestos-related assets	330A	334A	Net asbestos-related liabilities	72A	\$74A																										
33	Johnson Controls International plc	Notes to Consolidated Financial Statements	December 31, 2024	(unaudited)	December 31, 2024	September 30, 2024	Restricted Cash	\$7A	\$6A	Investments	277A	281A	Total restricted assets	284A	287A	Insurance receivables for asbestos-related liabilities	46A	47A	Total asbestos-related assets	\$330A	\$334A	The amounts recorded for asbestos-related liabilities and insurance-related assets are based on the Company's strategies for resolving its asbestos claims, currently available information, and a number of estimates and assumptions. Key variables and assumptions include the number and type of new claims that are filed each year, the average cost of resolution of claims, the identity of defendants, the resolution of coverage issues with insurance carriers, amount of insurance, and the solvency risk with respect to the Company's insurance carriers. Other factors that may affect the Company's liability and cash payments for asbestos-related matters include uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, reforms of state or federal tort legislation and the applicability of insurance policies among subsidiaries. As a result, actual liabilities or insurance recoveries could be significantly higher or lower than those recorded if assumptions used in the Company's calculations vary significantly from actual results. Self-Insured Liabilities The Company records liabilities for its workers' compensation, product, general and auto liabilities. The determination of these liabilities and related expenses is dependent on claims experience. For most of these liabilities, claims incurred but not yet reported are estimated by utilizing actuarial valuations based upon historical claims experience. The Company maintains captive insurance companies to manage a portion of its insurable liabilities. The following table presents the location and amount of self-insured liabilities in the Company's consolidated statements of financial position (in millions): <table border="1"><thead><tr><th>December 31, 2024</th><th>September 30, 2024</th><th>Other current liabilities</th><th>\$98A</th><th>\$92A</th><th>Accrued compensation and benefits</th><th>20A</th><th>20A</th><th>Other noncurrent liabilities</th><th>247A</th><th>239A</th><th>Total self-insured liabilities</th><th>\$365A</th><th>\$351A</th></tr></thead><tbody><tr><td>The following table presents the location and amount of insurance receivables in the Company's consolidated statements of financial position (in millions):</td><td>December 31, 2024</td><td>September 30, 2024</td><td>Other current assets</td><td>\$5A</td><td>\$5A</td><td>Other noncurrent assets</td><td>13A</td><td>13A</td><td>Total insurance receivables</td><td>\$18A</td><td>\$18A</td></tr></tbody></table> <p>34 Johnson Controls International plc Notes to Consolidated Financial Statements December 31, 2024 (unaudited) Other Matters The Company is involved in various lawsuits, claims and proceedings incident to the operation of its businesses, including those pertaining to product liability, environmental, safety and health, intellectual property, employment, commercial and contractual matters, and various other casualty matters. Although the outcome of litigation cannot be predicted with certainty and some lawsuits, claims or proceedings may be disposed of unfavorably to the Company, it is management's opinion that none of these will have a material adverse effect on the Company's financial position, results of operations or cash flows. Costs related to such matters were not material to the periods presented.</p> <h2>35 ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS</h2> <h3>Cautionary Statements for Forward-Looking Information</h3> <p>Unless otherwise indicated, references to "Johnson Controls," the "Company," "we," "our" and "us" in this Quarterly Report on Form 10-Q refer to Johnson Controls International plc and its consolidated subsidiaries. The Company has made statements in this document that are forward-looking and therefore are subject to risks and uncertainties. All statements in this document other than statements of historical fact are, or could be, "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. In this document, statements regarding the Company's future financial position, sales, costs, earnings, cash flows, other measures of results of operations, synergies and integration opportunities, capital expenditures, debt levels and market outlook are forward-looking statements. Words such as "may," "will," "expect," "intend," "estimate," "anticipate," "believe," "should," "forecast," "project" or "plan" and terms of similar meaning are also generally intended to identify forward-looking statements. However, the absence of these words does not mean that a statement is not forward-looking. The Company cautions that these statements are subject to numerous important risks, uncertainties, assumptions and other factors, some of which are beyond the Company's control, that could cause the Company's actual results to differ materially from those expressed or implied by such forward-looking statements, including, among others, risks related to: The Company's ability to develop or acquire new products and technologies that achieve market acceptance and meet applicable quality and regulatory requirements; the ability of the Company to execute on its operating model and drive organizational improvement; the Company's ability to successfully execute and complete portfolio simplification, including the completion of the divestiture of the Residential and Light Commercial business, as well as the possibility that the expected benefits of such actions will not be realized or will not be realized within the expected time frame; the ability to hire and retain senior management and other key personnel, including successfully executing the Company's Chief Executive Officer succession plan; the ability to innovate and adapt to emerging technologies, ideas and trends in the marketplace, including the incorporation of technologies such as artificial intelligence; the ability to manage general economic, business and capital market conditions, including the impact of recessions, economic downturns and global price inflation; fluctuations in the cost and availability of public and private financing for the Company's customers; the ability to manage macroeconomic and geopolitical volatility, including supply chain shortages, restrictive trade measures and the conflict between Russia and Ukraine and the ongoing conflicts in the Middle East; managing the risks and impacts of potential and actual security breaches, cyberattacks, privacy breaches or data breaches, maintaining and improving the capacity, reliability and security of the Company's enterprise information technology infrastructure; the ability to manage the lifecycle cybersecurity risk in the development, deployment and operation of the Company's digital platforms and services; changes to laws or policies governing foreign trade, including economic sanctions, tariffs, foreign exchange and capital controls, import/export controls or other trade restrictions; fluctuations in currency exchange rates; changes or uncertainty in laws, regulations, rates, policies, or interpretations that impact the Company's business operations or tax status; the ability to adapt to global climate change, climate change regulation and successfully meet the Company's public sustainability commitments; the outcome of litigation and governmental proceedings; the risk of infringement or expiration of intellectual property rights; the Company's ability to manage disruptions caused by catastrophic or geopolitical events, such as natural disasters, armed conflict, political change, climate change, pandemics and outbreaks of contagious diseases and other adverse public health developments; any delay or inability of the Company to realize the expected benefits and synergies of recent portfolio transactions; the tax treatment of recent portfolio transactions; significant transaction costs and/or unknown liabilities associated with such transactions; labor shortages, work stoppages, union negotiations, labor disputes and other matters associated with the labor force; and the cancellation of or changes to commercial arrangements. A detailed discussion of risks related to Johnson Controls' business is included in the section entitled "Risk Factors" in Johnson Controls' Annual Report on Form 10-K for the year ended September 30, 2024 filed with the United States Securities and Exchange Commission ("SEC") on November 19, 2024, which is available at <a href="http://www.sec.gov">www.sec.gov</a> and <a href="http://www.johnsoncontrols.com">www.johnsoncontrols.com</a> under the "Investors" tab. The forward-looking statements included in this document are made only as of the date of this document, unless otherwise specified, and, except as required by law, Johnson Controls assumes no obligation, and disclaims any obligation, to update such statements to reflect events or circumstances occurring after the date of this document.</p> <h3>Overview</h3> <p>Johnson Controls International plc, headquartered in Cork, Ireland, is a global leader in smart, healthy and sustainable buildings, serving a wide range of customers around the globe. The Company's products, services, systems and solutions advance the safety, comfort and intelligence of spaces to serve people, places and the planet. The Company is committed to helping its customers win and creating greater value for all of its stakeholders through its strategic focus on buildings.</p> <p>The Company is a global leader in engineering, manufacturing, commissioning and retrofitting building products and systems, including residential and commercial heating, ventilating, air-conditioning ("HVAC") equipment, industrial refrigeration systems, controls, security systems, fire-detection systems and fire-suppression solutions. The Company further serves customers by providing technical services, including maintenance, management, repair, retrofit and replacement of equipment (in the HVAC, industrial refrigeration, controls, security and fire-protection space) and energy-management consulting. The Company's OpenBlue digital software platform enables enterprises to better manage their physical spaces by combining the Company's building products and services with cutting-edge technology and digital capabilities to enable data-driven smart building services and solutions. The Company partners with customers by leveraging its broad product portfolio and digital capabilities, together with its direct channel service and solutions capabilities, to deliver outcome-based solutions across the lifecycle of a building that address customers' needs to improve energy efficiency, enhance security, create healthy environments and reduce greenhouse gas emissions. The following information should be read in conjunction with the September 30, 2024 consolidated financial statements and notes thereto, along with management's discussion and analysis of financial condition and results of operations included in the Company's Annual Report on Form 10-K for the year ended September 30, 2024 filed with the SEC on November 19, 2024. References in the following discussion and analysis to "Three Months," "First Quarter" or similar language refer to the three months ended December 31, 2024 compared to the three months ended December 31, 2023. Macroeconomic Trends Much of the demand for the Company's products and solutions is heavily dependent on general economic conditions, localized demand for real estate and the availability of credit, public funding or other financing sources. Positive or negative fluctuations in these dependencies could have a corresponding impact on the Company's financial condition, results of operations and cash flows. While economic conditions in China stabilized in the three months ended December 31, 2024, industrial growth remains tempered, impacting the performance of the Building Solutions Asia Pacific segment. The Company expects economic conditions in China to continue to stabilize in fiscal 2025, however, if conditions do not stabilize, results of the Building Solutions Asia Pacific segment could be negatively impacted. As a result of the Company's global presence, a significant portion of its revenues and expenses is denominated in currencies other than the U.S. dollar, which results in non-U.S. currency risks and exchange exposure. While the Company employs financial instruments to hedge some of its transactional foreign exchange exposure, these activities do not insulate it completely from those exposures. In addition, currency exposure from the translation of non-U.S. dollar functional currency subsidiaries cannot be hedged. Exchange rates can be volatile and a substantial weakening or strengthening of foreign currencies against the U.S. dollar could increase or reduce the Company's profit margin, respectively, and impact the comparability of results from period to period. Revenue and profits were negatively impacted by movements in foreign exchange rates against the U.S. dollar during the three months ended December 31, 2024. The Company continues to observe trends demonstrating increased interest and demand for its products and services that enable smart, safe, efficient and sustainable buildings, which are driven in part by government tax incentives, building performance standards and other regulations designed to limit emissions and combat climate change. In particular, legislative and regulatory initiatives such as the U.S. Climate Smart Buildings Initiative, U.S. Inflation Reduction Act and EU Energy Performance of Buildings Directive include provisions designed to fund and encourage investment in decarbonization and digital technologies for buildings. This demand is supplemented by an increase in commitments in both the public and private sectors to reduce emissions and/or achieve net zero emissions. Combined with its investment in digital and product capabilities, including its OpenBlue platform, the Company seeks to capitalize on these trends to enable delivery of sustainable, high-efficiency products and tailored services to enable customers to achieve their sustainability goals. The Company is leveraging its install base, together with data-driven products and services, to offer outcome-based solutions to customers with a focus on generating accelerated growth in services and recurring revenue. The Company has experienced, and could again experience, increased material cost inflation and component shortages, as well as disruptions and delays in its supply chain, as a result of global macroeconomic trends, including increased global demand, the imposition of tariffs and other restrictive trade measures, geopolitical and economic tensions, including the conflict between Russia and Ukraine and Israel and Hamas, and labor shortages. Recently, the United States has announced tariffs on products manufactured in several jurisdictions, including Mexico, China and Canada, and has made announcements regarding the potential imposition of tariffs on other jurisdictions, such as the European Union. The United States has and may in the future pause, reimpose or increase tariffs, and countries subject to such tariffs have and in the future may impose reciprocal tariffs or other restrictive trade measures in response to the imposition of tariffs by the United States. The Company is actively monitoring and evaluating the development and potential impacts of tariffs on its supply chain and results of operations. The Company maintains operations worldwide, including the jurisdictions impacted by the recently announced and contemplated tariffs. If the actual and potential tariffs and reciprocal tariffs are implemented as currently proposed, the Company expects that such actions will negatively impact its revenue growth and margins in future periods. The net effect of these events will depend on the Company's ability to successfully mitigate and offset their impact. The Company has historically taken actions to mitigate trade restrictions, supply chain disruptions and inflation, including, price increases, expanding and redistributing its supplier network, supplier financing, accelerated purchasing and productivity improvements. These actions have generally been successful in offsetting some, but not all, of the impact of these trends. The extent to which the Company's results of operations and financial condition are impacted by these and other factors in the future will depend on developments that are highly uncertain and cannot be predicted. See the section entitled "Risk Factors" in Johnson Controls' Annual Report on Form 10-K for the year ended September 30, 2024 filed with the United States Securities and Exchange Commission ("SEC") on November 19, 2024. Portfolio Simplification Transactions The Company has been engaged in an ongoing evaluation of its non-core product lines in connection with its objective to be a pure-play provider of comprehensive solutions for commercial buildings. During the fourth quarter of fiscal 2024, the Company completed the sale of its Air Distribution Technologies business included within the Global Products segment. During the fourth quarter of fiscal 2024, the Company entered into a definitive agreement to sell its Residential and Light Commercial ("R&amp;LC") HVAC business to Robert Bosch GmbH (a Bosch company) for approximately \$8.1 billion in cash with the Company's portion of the aggregate consideration being approximately \$6.7 billion, inclusive of an upfront royalty payment for the licensing of the York tradename. The R&amp;LC HVAC business includes the Company's North America Ducted business and Johnson Controls-Hitachi Air Conditioning Holding (UK) Ltd., the Company's global residential joint venture with Hitachi Global Life Solutions, Inc. (a Hitachi company), of which the Company owns 60% and Hitachi owns 40%. The R&amp;LC HVAC business, which was previously reported in the Global Products segment, meets the criteria to be classified as a discontinued operation and, as a result, its historical financial results are</p>	December 31, 2024	September 30, 2024	Other current liabilities	\$98A	\$92A	Accrued compensation and benefits	20A	20A	Other noncurrent liabilities	247A	239A	Total self-insured liabilities	\$365A	\$351A	The following table presents the location and amount of insurance receivables in the Company's consolidated statements of financial position (in millions):	December 31, 2024	September 30, 2024	Other current assets	\$5A	\$5A	Other noncurrent assets	13A	13A	Total insurance receivables	\$18A	\$18A
December 31, 2024	September 30, 2024	Other current liabilities	\$98A	\$92A	Accrued compensation and benefits	20A	20A	Other noncurrent liabilities	247A	239A	Total self-insured liabilities	\$365A	\$351A																																			
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table presents the net loss attributable to the Parent Company other than TFSCA (collectively, the "Obligor Group") and the net income (loss) attributable to intercompany transactions between the Obligor Group and subsidiaries of the Parent Company other than TFSCA (collectively, the "Non-Obligor Subsidiaries") which are excluded from the Net loss attributable to the Obligor Group (in millions): Three Months Ended December 31, 2024 Year Ended September 30, 2024 Net loss attributable to the Obligor Group \$186.6 \$609.9 Net income (loss) attributable to intercompany transactions (4)511.1 The Obligor Group does not have sales, gross profit or amounts attributable to noncontrolling interests. 45 The following table presents summarized balance sheet information of the Obligor Group and intercompany balances between the Obligor Group and the Non-Obligor Subsidiaries which are excluded from the Obligor Group amounts (in millions): Obligor Group Intercompany Balances December 31, 2024 September 30, 2024 December 31, 2024 September 30, 2024 Current assets \$696.4 \$1,339.4 \$460.0 \$823.4 Noncurrent assets 243.4 243.4 9,242.4 7,522.4 Current liabilities 7,536.4 6,726.4 999.4 2,789.4 Noncurrent liabilities 8,395.4 7,836.4 10,298.4 9,028.4 The same accounting policies as described in Note 1, "Summary of Significant Accounting Policies," of the Company's Annual Report on 10-K for the year ended September 30, 2024 are used by the Parent Company and each of its subsidiaries in connection with the summarized financial information presented above. New Accounting Standards Refer to Note 2, "New Accounting Standards," of the notes to the consolidated financial statements. Critical Accounting Estimates The Company prepares its consolidated financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP"). This requires management to make estimates and assumptions that affect reported amounts and related disclosures. Actual results could differ from those estimates. The Company's critical accounting estimates requiring significant judgement that could materially impact the Company's results of operations, financial position and cash flows are described in Management's Discussion and Analysis of Financial Condition and Results of Operations included in the Company's Annual Report on Form 10-K for the year ended September 30, 2024. Since the date of the Company's most recent Annual Report, there have been no material changes in the Company's critical accounting estimates or assumptions. ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISKS As of December 31, 2024, the Company had not experienced any adverse changes in market risk exposures that materially affected the quantitative and qualitative disclosures presented in its Annual Report on Form 10-K for the year ended September 30, 2024. ITEM 4. CONTROLS AND PROCEDURES Evaluation of Disclosure Controls and Procedures The Company's management, with the participation of the Company's Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of the Company's disclosure controls and procedures (as such term is defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")) as of December 31, 2024. Based on such evaluations, the Company's Chief Executive Officer and Chief Financial Officer have concluded that, as of December 31, 2024, the Company's disclosure controls and procedures were effective to ensure that information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms, and to ensure that information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is accumulated and communicated to the Company's management, including its principal executive and principal financial officers, as appropriate, to allow timely decisions regarding disclosure. Changes in Internal Control Over Financial Reporting There have been no significant changes in the Company's internal control over financial reporting during the three months ended December 31, 2024 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting. PART II. OTHER INFORMATION ITEM 1. LEGAL PROCEEDINGS Gumm v. Molinaroli, et al. In May 2024, stockholders of Johnson Controls, Inc., filed a putative class action complaint against Johnson Controls, Inc., certain former officers and directors of Johnson Controls, Inc., and two related entities (Jagara Merger Sub LLC and Johnson Controls International plc) in Wisconsin state court relating to the 2016 merger of Johnson Controls and Tyco (Gumm et al. v. Molinaroli et al., Case No. 30106, filed May 23, 2024 in the Circuit Court for Milwaukee County, Wisconsin). The filing of the state court complaint follows the dismissal of a related lawsuit originally filed in federal court in 2016, which dismissal was affirmed on appeal in November 2023. The 12-count state court complaint asserts claims for (1) breach of fiduciary duty; (2) aiding and abetting breach of fiduciary duty; (3) unjust enrichment; (4) violations of Wisconsin Business Corporation Law §§ 180.1101-.1103; (5) breach of JCI's Articles of Incorporation; (6) conversion; (7) violations of Wisconsin Securities Act §§ 551.501 and 551.509; (8) breach of covenant of good faith and fair dealing; (9) promissory estoppel; (10) tortious interference with contract; (11) negligent or intentional misrepresentation/equitable fraud; and (12) statutory fraud. On September 13, 2024, defendants moved to dismiss the complaint. A hearing on the motion is expected to take place in March 2025. Refer to Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for discussion of environmental, asbestos, self-insured liabilities and other litigation matters, which is incorporated by reference herein and is considered an integral part of Part II, Item 1, "Legal Proceedings." ITEM 1A. RISK FACTORS Except as set forth herein, there have been no material changes to the disclosure regarding risk factors presented in Part I, Item 1A, of the Company's Annual Report on Form 10-K for the year ended September 30, 2024. Our business success depends on attracting and retaining qualified personnel. Our ability to sustain and grow our business requires us to hire, retain and develop a high-performance, customer-centric and diverse management team and workforce. Continuous efficient and timely customer service, customer support and customer intimacy are essential to enabling customer loyalty and driving our financial results. Our growth strategies require that we pivot to new talent capability investments and build the workforce of the future, with an emphasis on developing skills in digital and consultative, outcome-based selling. Failure to ensure that we have the leadership and talent capacity with the necessary skillset and experience could impede our ability to deliver our growth objectives, execute our strategic plan and effectively transition our leadership. Any unplanned turnover or inability to attract and retain key employees could have a negative effect on our results of operations. The nature of our business requires us to maintain a labor force that is sufficiently large enough to support our manufacturing operations to meet customer demand, as well as provide on-site services and project support for our customers. This includes recruiting, hiring and retaining skilled trade workers to support our direct channel field businesses. We have in the past, and could in the future, experience shortages for skilled or unskilled labor. The impacts of such labor shortages could limit our ability to scale our operations to meet increased demand and convert backlog into revenue, which could negatively impact our growth and results of operations. In February 2025, we announced that we had reached an agreement for Joakim Weidemanis to succeed George Oliver as our next Chief Executive Officer, effective immediately following our 2025 Annual General Meeting of Shareholders. If we are unable to successfully execute our Chief Executive Officer transition, we could experience disruption in the setting and execution of our operational and strategic objectives, which could have a material adverse effect on our results of operations, financial condition and cash flows. We also may have difficulty attracting and recruiting, or retaining, qualified senior leadership during the transition period. 47 Data privacy, identity protection and information security compliance may require significant resources and presents certain risks. We collect, store, have access to and otherwise process certain confidential or sensitive data, including proprietary business information, customer data, personal data or other information that is subject to privacy and security laws, regulations and/or customer-imposed controls. Despite our efforts to protect such data, our business, data and our products have been and will in the future be vulnerable to security incidents, theft, misplacement or loss data, programming errors, or errors that could potentially lead to the compromise or further compromise of such data, improper use of our products, systems, software solutions or networks, unauthorized access, use, disclosure, modification or destruction of information, defective products, production downtimes and operational disruptions. During September 2023, we became aware of a cybersecurity event consisting of unauthorized access, data exfiltration and deployment of ransomware to a portion of our internal IT infrastructure. The Company is completing its analysis of the impacted data and believes based on its assessment to date that certain data, including employee, job applicant, consultant and other third party personally identifiable information and other related data, was impacted by the incident. The Company will, as determined appropriate, notify impacted individuals and regulatory authorities. The actual or perceived risk of theft, loss, fraudulent use or misuse of customer, employee or other data as a result of the foregoing or any other cybersecurity incident, as well as non-compliance with applicable industry standards or our contractual or other legal obligations or privacy and information security policies regarding such data, could result in litigation and/or regulatory activity and associated fines, damages, costs, awards, or settlements. In addition, we may be required to make certain third-party notifications to individuals and regulators following the completion of our analysis of the data impacted by the cybersecurity incident. We could face similar consequences in the future if we, our employees, our suppliers, channel partners, customers or other third parties experience the actual or perceived risk of theft, loss, fraudulent use or misuse of data, including as a result of employee error or malfeasance, non-compliance with required or expected security practices, or as a result of the imaging, software, security and other products we incorporate into our products. Such an event could lead customers to select the products and services of our competitors. Both the September 2023 cybersecurity incident and any future incidents could harm our reputation, cause unfavorable publicity or otherwise adversely affect certain existing and potential customers' perception of the security and reliability of our services as well as our credibility and reputation, which could result in lost sales. We operate in an environment in which there are different and potentially conflicting data privacy laws in effect in the various U.S. states and foreign jurisdictions in which we operate and we must understand and comply with each law and standard in each of these jurisdictions while ensuring the data is secured. For example, proposed regulations restricting the use of biometric security technology could impact the products and solutions offered by our security business. Similarly the Executive Order 14117, and its implementing regulations Preventing Access to Americans' Bulk Sensitive Personal Data and US Government Related Data By Countries of Concern, may limit our ability to share information with China and other designated countries. Government enforcement actions can be costly and interrupt the regular operation of our business, and violations of data privacy laws can result in fines, reputational damage and civil lawsuits, any of which may adversely affect our business, reputation and financial statements. Some of our contracts do not contain limitations of liability, and even where they do, there can be no assurance that limitations of liability in our contracts are sufficient to protect us from liabilities, damages, or claims related to our data privacy and security obligations. While we maintain general liability insurance coverage and coverage for errors or omissions, such coverage might not be adequate or otherwise protect us from liabilities or damages with respect to claims alleging compromises, including relevant to compromises of our systems or data, that such coverage will continue to be available to us on acceptable terms or at all, or that such coverage will pay future claims including claims and other costs related to the September 2023 cybersecurity incident. The successful assertion of one or more large claims against us that exceeds our available insurance coverage, or results in changes to our insurance policies (including premium increases or the imposition of large deductible or co-insurance requirements), could have an adverse effect on our business. Changes in U.S. or foreign trade policies and other factors beyond our control may adversely impact our business and operating results. Geopolitical tensions and trade disputes can disrupt supply chains and increase the cost of our products. This could cause our products to be more expensive for customers, which could reduce the demand for or attractiveness of such products. In addition, a geopolitical conflict in a region where we operate could disrupt our ability to conduct business operations in that region. Countries also could adopt restrictive trade measures, such as tariffs, laws and regulations concerning investments and 48 limitations on foreign ownership of businesses, taxation, foreign exchange controls, capital controls, employment regulations and the repatriation of earnings and controls on imports or exports of goods, technology, or data, any of which could adversely affect our operations and supply chain and limit our ability to offer our products and services as intended. Changes in laws or policies governing the terms of foreign trade, and in particular increased trade restrictions, tariffs or taxes on imports from countries where we manufacture products or from where we import products or raw materials (either directly or through our suppliers) could have an impact on our competitive position, business operations and financial results. For example, the U.S., China and other countries continue to implement restrictive trade actions, including tariffs, export controls, sanctions, legislation favoring domestic investment and other actions impacting the import and export of goods, foreign investment and foreign operations in jurisdictions in which we operate. Recently, the United States has announced tariffs on products manufactured in several jurisdictions, including Mexico, China and Canada, and has made announcements regarding the potential imposition of tariffs on other jurisdictions, such as the European Union. The United States has and may in the future pause, reimpose or increase tariffs, and countries subject to such tariffs have and in the future may impose reciprocal tariffs or other restrictive trade measures in response to the imposition of tariffs by the United States. We are actively monitoring and evaluating the development and potential impacts of tariffs on our supply chain and results of operations. We maintain operations worldwide, including the jurisdictions impacted by the recently announced and contemplated tariffs. If the actual and potential tariffs and reciprocal tariffs are implemented as currently proposed, we expect that such actions could negatively impact our revenue growth and margins in future periods through increased costs, decreased demand and other adverse economic impacts. The net effect of these actions will depend on our ability to successfully mitigate and offset their impact, which may not be effective. Trade restrictions could be adopted with little to no advanced notice, and we may not be able to effectively mitigate the adverse impacts from such measures. Political uncertainty surrounding trade or other international disputes also could have a negative impact on customer confidence and willingness to spend money, which could impair our future growth. Any of these events could increase the cost of our products, create disruptions to our supply chain and impair our ability to effectively operate and compete in the countries where we do business. ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS As of December 31, 2024, approximately \$1.4 billion remains available under the share repurchase program which was authorized by the Company's Board of Directors in March 2021. The share repurchase authorization does not have an expiration date and may be amended or terminated by the Board of Directors at any time without prior notice. During the three months ended December 31, 2024, the Company repurchased and immediately retired \$330.0 million of its ordinary shares in open market transactions. The following table presents information regarding the repurchase of the Company's ordinary shares by the Company as part of its publicly announced program during the three months ended December 31, 2024. Period Total Number of Shares Purchased Average Price Paid per Share Total Number of Shares Purchased Approximate Dollar Value of Shares that May Yet be Purchased under the Programs 10/01/24 - 10/31/24 819,300 \$76.80 819,300 \$1,680,869,294 11/01/24 - 11/30/24 900,231 \$82.25 900,231 \$1,606,823,689 12/01/24 - 12/31/24 351,519 \$82.09 2,351,519 \$1,413,792,917 ITEM 5. OTHER INFORMATION Director and Officer Rule 10b5-1 Plans During the three months ended December 31, 2024, none of the Company's directors or Section 16 officers adopted, amended or terminated a Rule 10b5-1 trading arrangement or a non-Rule 10b5-1 trading arrangement (as each term is defined in Item 408(a) of Regulation S-K). 49 ITEM 6. EXHIBITS INDEX TO EXHIBITS Exhibit No. Description 1. Twelfth Supplemental Indenture, dated as of December 10, 2024, among Johnson Controls International plc, Tyco Fire & Security Finance S.C.A. and U.S. Bank Trust Company, National Association, as trustee (incorporated by reference to Exhibit 4.3 to registrant's Current Report on Form 8-K filed on December 10, 2024). 2. Thirteenth Supplemental Indenture, dated as of December 11, 2024, among Johnson Controls International plc, Tyco Fire & Security Finance S.C.A., U.S. Bank Trust Company, National Association, as trustee and U.S. Bank Europe DAC, as paying agent (incorporated by reference to Exhibit 4.2 to registrant's Current Report on Form 8-K filed on December 11, 2024). 3. Certification by the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith). 3.1. Certification by the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith). 3.2. Certification of Periodic Financial Report by the Chief Executive Officer and Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (filed herewith). 101 The following materials from Johnson Controls International plc's Quarterly Report on Form 10-Q for the quarter ended December 31, 2024, formatted in iXBRL (Inline Extensible Business Reporting Language): (i) the Consolidated Statements of Financial Position, (ii) the Consolidated Statements of Income, (iii) the Consolidated Statements of Comprehensive Income, (iv) the Consolidated Statements of Cash Flows, (v) the Consolidated Statements of Shareholders' Equity and (vi) Notes to Consolidated Financial Statements. 104 Cover Page Interactive Data File (formatted in iXBRL and contained in Exhibit 101) 50 SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. A JOHNSON CONTROLS INTERNATIONAL PLC Date: February 5, 2025 By: /s/ Marc Vandiepenbeeck Marc Vandiepenbeeck Executive Vice President and Chief Financial Officer 51 EX-31.1 2 q1ex311fy2510-q.htm EX-31.1 Document Exhibit 31.1 CERTIFICATIONS I, George R. Oliver, of Johnson Controls International plc, certify that: 1. I have reviewed this quarterly report on Form 10-Q of Johnson Controls International plc; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information



Timing of Satisfaction, Start Date [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Accounts receivable Increase (Decrease) in Accounts Receivable Derivative Fair Value Measurements Derivative [Table] Basis of Presentation Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Income from continuing operations Income from continuing operations Income (Loss) from Continuing Operations, Net of Tax, Including Portion Attributable to Noncontrolling Interest Hedging Relationship [Domain] Hedging Relationship [Domain] Realized and unrealized gains (losses) on derivatives Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification and Tax, Noncontrolling Interest Location and Fair Values of Derivative Instruments and Hedging Activities Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block] Fair Value Disclosures [Text Block] Gross amount eligible for offsetting Derivative Liability, Subject to Master Netting Arrangement, before Offset of Collateral Restructuring and Related Activities [Abstract] Restructuring and Related Activities [Abstract] Award Timing Disclosures [Line Items] Net Investment Hedging Net Investment Hedging [Member] Offsetting Assets and Liabilities Offsetting Derivative Assets And Liabilities [Table Text Block] Tabular disclosure of derivative and other financial assets and liabilities that are subject to offsetting, including master netting arrangements. Investment, Name [Domain] Investment, Name [Domain] Other Performance Measure, Amount Other Performance Measure, Amount Goodwill [Line Items] Goodwill [Line Items] Leases Lessee, Operating Leases [Text Block] Weighted average interest rate on short-term debt outstanding Short-Term Debt, Weighted Average Interest Rate, at Point in Time Operating lease liabilities - noncurrent Operating Lease, Liability, Noncurrent Loss contingency, pending claims, number Loss Contingency, Pending Claims, Number Ordinary A shares,  $\approx$ 1.00 par value Common Stock A, Value, Issued Common Stock A, Value, Issued Cash Flow Hedging Cash Flow Hedging [Member] Property, plant and equipment - net Disposal Group, Including Discontinued Operation, Property, Plant and Equipment Revenue from Contract with Customer [Abstract] Revenue from Contract with Customer [Abstract] Deferred revenue Contract liabilities - current Contract with Customer, Liability, Current United States UNITED STATES Term loans Loans Payable [Member] Service cost Defined Benefit Plan, Service Cost Cash Disposal Group, Including Discontinued Operation, Cash and Cash Equivalents 4.900% Senior Notes due 2032 Notes 4.900 Percent Due 2032 [Member] Notes 4.900 Percent Due 2032 Other noncurrent assets Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Leases [Abstract] Gross Carrying Amount Finite-Lived Intangible Assets, Gross New Accounting Pronouncements and Changes in Accounting Principles [Abstract] Accounting Standards Update and Change in Accounting Principle [Abstract] Retirement Plan Type [Axis] Retirement Plan Type [Axis] Other noncurrent assets Capitalized Contract Cost, Net, Noncurrent Selling, general and administrative Selling, General and Administrative Expenses [Member] Antidilutive Securities Antidilutive Securities [Abstract] Antidilutive securities. 2.000% Sustainability-Linked Senior Notes due 2031 Sustainability Notes 2.000 Percent Due 2031 [Member] Sustainability Notes 2.000 Percent Due 2031 Ordinary Shares Held in Treasury, at Cost Treasury Stock, Common [Member] Operating Activities of Continuing Operations Net Cash Provided by (Used in) Operating Activities [Abstract] Changes in Accumulated Other Comprehensive Income, Net of Tax Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Other noncurrent assets Disposal Group, Including Discontinued Operation, Other Assets, Noncurrent Other, including options exercised Stockholders' Equity, Other Equity Components [Axis] Equity Components [Axis] Other current assets Other Assets, Current Award Timing Method Award Timing Method [Text Block] Net periodic benefit cost Defined Benefit Plan, Net Periodic Benefit Cost (Credit) Pension and postretirement benefit obligations Disposal Group, Including Discontinued Operation, Postretirement Plan Benefit Obligation Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Insurance receivables, current Insurance Settlements Receivable, Current Restructuring Type [Axis] Restructuring Type [Axis] Measurement Frequency [Axis] Measurement Frequency [Axis] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Cash used by investing activities Cash Provided by (Used in) Investing Activities, Discontinued Operations Insider Trading Policies and Procedures [Line Items] Cash used by financing activities Cash Provided by (Used in) Financing Activities, Discontinued Operations Adjustment to Compensation, Amount Adjustment to Compensation Amount Capital in excess of par value Additional Paid in Capital, Common Stock Net financing charges Disposal Group, Including Discontinued Operation, Interest (Income) Expense Disposal Group, Including Discontinued Operation, Interest (Income) Expense Ordinary Shares, Par Value \$0.01 Ordinary Shares, Par Value 0.01 [Member] Ordinary Shares, Par Value 0.01 Compensation Amount Outstanding Recovery Compensation Amount Investments in partially-owned affiliates Disposal Group, Including Discontinued Operation, Investments in Affiliates Disposal Group, Including Discontinued Operation, Investments in Affiliates Diluted earnings per share attributable to Johnson Controls Earnings Per Share, Diluted [Abstract] Disposal Group Classification [Axis] Disposal Group Classification [Axis] Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Entity Small Business Entity Small Business Company Selected Measure Amount Company Selected Measure Amount Geographical [Axis] Geographical [Axis] Restructuring and Related Costs Restructuring and Related Costs [Table Text Block] Tabular List, Table Tabular List [Table Text Block] Volume Outstanding Derivative, Nonmonetary Notional Amount Significant Unobservable Inputs (Level 3) Fair Value, Inputs, Level 3 [Member] Total reserves for environmental liabilities Accrual for Environmental Loss Contingencies Hedge percentage for foreign exchange transactional exposures, maximum Hedge Percentage For Foreign Exchange Transactional Exposures Maximum Hedge percentage for foreign exchange transactional exposures, Maximum, Industrial Refrigeration Global Products - Industrial Refrigeration [Member] Global Products - Industrial Refrigeration [Domain] Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Stock options and unvested restricted stock (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount  $\Delta$  5.125% Notes due 2045 Notes 5.125 Percent Due 2045 [Member] Notes 5.125 Percent Due 2045 Disposal Group, Including Discontinued Operation, Liabilities, Current [Abstract] Disposal Group, Including Discontinued Operation, Liabilities, Current [Abstract] Discontinued operations Income from discontinued operations attributable to noncontrolling interest, net of tax Income (Loss) from Discontinued Operations, Net of Tax, Attributable to Noncontrolling Interest Utilized<sup>ac</sup> cash Payments for Restructuring AFFF Municipal and Water Provider Cases Aqueous Film Forming Foam Municipal And Water Provider Cases [Member] Aqueous Film Forming Foam Municipal And Water Provider Cases Credit Facility [Domain] Credit Facility [Domain] Cash, cash equivalents and restricted cash at beginning of period Cash, cash equivalents and restricted cash at end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Deferred compensation plan assets Deferred compensation plan assets [Member] Deferred compensation plan assets [Member] Noncurrent assets held for sale Noncurrent assets held for sale Disposal Group, Including Discontinued Operation, Assets, Noncurrent Goodwill Balance at beginning of period Balance at end of period Goodwill Indefinite-lived Intangible Assets, Major Class Name [Domain] Indefinite-Lived Intangible Assets, Major Class Name [Domain] Employee equity-based compensation withholding taxes Payment, Tax Withholding, Share-Based Payment Arrangement Other comprehensive income (loss), net of tax: Other Comprehensive Income (Loss), Net of Tax [Abstract] Inventories Inventory Disclosure [Text Block] Continuing operations Net income attributable to Johnson Controls Income (Loss) from Continuing Operations, Net of Tax, Attributable to Parent Settlements made during the period Standard and Extended Product Warranty Accrual, Decrease for Payments Total net accrued interest, net of tax benefit Unrecognized Tax Benefits, Interest on Income Taxes Accrued Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Fixed Income Securities Fixed Income Securities [Member] Product and Service [Domain] Product and Service [Domain] Employee Stock Option Share-Based Payment Arrangement, Option [Member] Pre-tax Gains (Losses) on Net Investment Hedges Recorded as Foreign CTA in OCI Schedule of Net Investment Hedges in Accumulated Other Comprehensive Income (Loss) [Table Text Block] Goodwill [Roll Forward] Goodwill [Roll Forward] Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Other - net Proceeds from (Payments for) Other Financing Activities Comprehensive income attributable to Johnson Controls Comprehensive Income (Loss), Net of Tax, Attributable to Parent Pension Plan Pension Plan [Member] Security Exchange Name Security Exchange Name Award Type Award Type [Axis] Foreign currency translation Goodwill, Foreign Currency Translation Gain (Loss) Accounts payable Disposal Group, Including Discontinued Operation, Accounts Payable Other comprehensive loss Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Noncontrolling Interest Foreign currency translation adjustments Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Noncontrolling Interest Fair Value, Measured on Recurring Basis, Gain (Loss) Included in Earnings [Line Items] Fair Value, Measured on Recurring Basis, Gain (Loss) Included in Earnings [Line Items] Work-in-process Inventory, Work in Process, Net of Reserves Property, plant and equipment - net Property, Plant and Equipment, Net Net Income (Loss) Attributable to Noncontrolling Interest [Abstract] Net Income (Loss) Attributable to Noncontrolling Interest [Abstract] Loss contingency, number of pending claims transferred to MDL Loss Contingency, Number Of Pending Claims Transferred To Multi-District Litigation Loss Contingency, Number Of Pending Claims Transferred To Multi-District Litigation Noncontrolling interests Equity, Attributable to Noncontrolling Interest Short-term debt Short-Term Debt Ordinary shares, par value (in dollars per share) Common Stock, Par or Stated Value Per Share Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Revolving Credit Facility Revolving Credit Facility [Member] Expiration Date Trading Arrangement Expiration Date Investing Activities of Continuing Operations Net Cash Provided by (Used in) Investing Activities [Abstract] Equity income Disposal Group, Including Discontinued Operation, Equity Income Disposal Group, Including Discontinued Operation, Equity Income Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Cash provided (used) by operating activities from continuing operations Net Cash Provided by (Used in) Operating Activities, Continuing Operations  $\Delta$  6.000% Notes due 2036 Notes 6.000 Percent Due 2036 [Member] Notes 6.000 Percent Due 2036 Operating lease liabilities - current Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Accrued income taxes Increase (Decrease) in Income Taxes Payable Entity [Domain] Entity [Domain] Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Line of credit facility, maximum borrowing capacity Line of Credit Facility, Maximum Borrowing Capacity Total assets classified as held for sale Disposal Group, Including Discontinued Operation, Assets Restructuring and impairment costs Restructuring costs and asset impairment charges Restructuring and related costs Restructuring Costs and Asset Impairment Charges Net amount Derivative Liability Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Other comprehensive income (loss), cash flow hedge, gain (loss), before reclassification and tax Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification and Tax Current Restructuring Plans Various 2023 Restructuring Plans [Member] Various 2023 Restructuring Plans Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Income Available to Ordinary Shareholders Undistributed Earnings (Loss) Available to Common Shareholders, Basic [Abstract] Fair Value, Measured on Recurring Basis, Gain (Loss) Included in Earnings [Table] Fair Value, Measured on Recurring Basis, Gain (Loss) Included in Earnings [Table] Diluted weighted average shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Diluted Restructuring costs to be incurred Restructuring and Related Cost, Expected Cost MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Shareholders' equity attributable to Johnson Controls Equity, Attributable to Parent Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent [Abstract] Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent [Abstract] Ordinary shares held in treasury, at cost Treasury Stock, Value Litigation Case [Axis] Litigation Case [Axis] Net sales Disposal Group, Including Discontinued Operation, Revenue Hedging Designation [Domain] Hedging Designation [Domain] Balance Sheet Location [Axis] Statement of Financial Position Location, Balance [Axis] Deferred income taxes Deferred Income Tax Expense (Benefit) Amount of gain (loss) reclassified from AOCI into income Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), Reclassification, before Tax Changes in Carrying Amount of Goodwill Schedule of Goodwill [Table Text Block]  $\Delta$  5.250% Senior Notes due 2041 Notes 5.250 Percent Due 2041 [Member] Notes 5.250 Percent Due 2041 Selling, general and administrative expenses Selling, General and Administrative Expense Entity Address, Country Entity Address, Country Fair Value, Recurring Fair Value, Recurring [Member] Accounts receivable, less allowance for expected credit losses of \$236 and \$210, respectively Accounts Receivable, after Allowance for Credit Loss, Current Cost of sales Cost of Sales [Member] Guarantees Guarantees [Text Block] Noncash restructuring and impairment charges Asset Impairment Charges Long-term debt Long-Term Debt  $\Delta$  4.500% Senior Notes due 2047 Notes 4.500 Percent Due 2047 [Member] Notes 4.500 Percent Due 2047 Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Document Fiscal Period Focus Document Fiscal Period Focus Building Solutions EMEA/LA Building Solutions EMEA/LA Segment [Member] Building Solutions EMEA/LA Segment Aluminum Aluminum [Member] Aluminum [Member] All Executive Categories All Executive Categories [Member] Stock options, unvested restricted stock and unvested performance share awards (in shares) Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements Current liabilities held for sale Current liabilities held for sale Disposal Group, Including Discontinued Operation, Liabilities, Current Balance Sheet Location [Domain] Statement of Financial Position Location, Balance [Domain] Equity Securities Equity Securities [Member] Schedule of Restructuring Reserve by Type of Cost Schedule of Restructuring Reserve by Type of Cost [Table Text Block] Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Assets Assets [Abstract] Retirement Plan Type [Domain] Retirement Plan Type [Domain] Other comprehensive income (loss) Aggregate adjustment for the period Other Comprehensive Income (Loss), Net of Tax Document Type Document Type Derivative Contract [Domain] Derivative Contract [Domain] Commercial paper Commercial Paper [Member] Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Contract term Contract With Customer, Term Contract With Customer, Term Financial Information Related to Company's Reportable Segments Schedule of Segment Reporting Information, by Segment [Table Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Schedule of Defined Benefit Plans Disclosures Defined Benefit Plan [Table] Hedge percentage for foreign exchange transactional exposures, minimum Hedge Percentage For Foreign Exchange Transactional Exposures Minimum Hedge percentage for foreign exchange transactional exposures, Minimum. Cash used by discontinued operations Net Cash Provided by (Used in) Discontinued Operations Deferred compensation plan assets Deferred Compensation Plan Assets Contract with Customer, Asset and Liability Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Shareholders' Equity Attributable to Johnson Controls Parent [Member] Gross Carrying Amount Indefinite-Lived Intangible Assets (Excluding Goodwill) Maximum Maximum [Member] Amortization of intangible assets Amortization of Intangible Assets Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Accumulated impairment loss Goodwill, Impaired, Accumulated Impairment Loss Net Finite-Lived Intangible Assets, Net Accounts payable Accounts Payable, Current Loss contingency, proposed claims, number Loss Contingency, Proposed Claims, Number Loss Contingency, Proposed Claims, Number Cash provided by financing activities from continuing operations Net Cash Provided by (Used in) Financing Activities, Continuing Operations Changes in estimates to pre-existing warranties Standard and Extended Product Warranty Accrual, Increase (Decrease) for Preexisting Warranties Fair Value Measurements Fair Value Measurement, Policy [Policy Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Restricted Restricted Cash and Investments [Abstract] Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Accounts payable included in supply chain financing programs Supplier Finance Program, Obligation Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Income from continuing operations before income taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest AFFF Putative Class Actions Aqueous Film Forming Foam Putative Class Actions [Member] Aqueous Film Forming Foam Putative Class Actions Guarantees [Abstract] Guarantees [Abstract] Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount All Award Types Award Type [Domain] Accounts receivable - net Disposal Group, Including Discontinued Operation, Accounts, Notes and Loans Receivable, Net Name Outstanding Recovery, Individual Name Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Disposal Groups, Including Discontinued Operations Disposal Groups, Including Discontinued Operations [Table Text Block] Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Pension and postretirement benefit obligations Liability, Defined Benefit Plan, Noncurrent Non-PEO NEO Non-PEO NEO [Member] Goodwill Disposal Group, Including Discontinued Operation, Goodwill Investments in marketable common stock Investments, Fair Value Disclosure Capital in Excess of Par Value Additional Paid-in Capital [Member] Hedging Relationship [Axis] Hedging Relationship [Axis]  $\Delta$  1.375% Notes due 2025 Notes 1.375 Percent Due 2025 [Member] Notes 1.375 Percent Due 2025 Award Timing Predetermined Award Timing Predetermined [Flag] Payment of cash dividends Payments of Ordinary Dividends, Common Stock Pension and Postretirement Plans Retirement Benefits [Text Block] Investment, Name [Axis] Investment, Name [Axis] Customer relationships Customer Relationships [Member] Short-Term Debt [Line Items] Short-Term Debt [Line Items] Recently Adopted and Recently Issued Accounting Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Amortization of prior service credit Defined Benefit Plan, Amortization of Prior Service Cost (Credit) Diluted (in dollars per share) Earnings Per Share, Diluted Class of Stock [Axis] Class of Stock [Axis] Reserve for environmental liabilities, noncurrent Accrued Environmental Loss Contingencies, Noncurrent Current Restructuring Plans Current Restructuring Plans [Member] Current Restructuring Plans Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets

by Major Class [Axis] Accumulated Amortization Finite-Lived Intangible Assets, Accumulated Amortization Revenue Recognition Revenue from Contract with Customer [Policy Text Block] Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Type of Restructuring [Domain] Type of Restructuring [Domain] Discontinued operations Income from discontinued operations, net of tax Income (Loss) from Discontinued Operations, Net of Tax, Attributable to Parent Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Net mark-to-market losses (gains) Equity Securities, FV-NI, Unrealized Gain (Loss) Restricted Equity Securities, FV-NI, Unrealized Gain (Loss) Restricted Number of operating segments Number of Operating Segments Retirement Benefits [Abstract] Retirement Benefits [Abstract] Assets and Liabilities Measured at Fair Value Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] SWITZERLAND SWITZERLAND Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] 4.950% Senior Notes due 2064 Notes 4.950 Percent Due 2064 [Member] Notes 4.950 Percent Due 2064 Employee Severance and Termination Benefits Employee Severance [Member] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Restructuring and Related Costs Restructuring and Related Activities Disclosure [Text Block] Equity-based compensation Share-Based Payment Arrangement, Noncash Expense Outstanding Commodity Hedge Contracts Hedge Forecasted Purchases Table [Table Text Block] Hedge Forecasted Purchases Table Net income Net income attributable to Johnson Controls Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Pension and postretirement plans Accumulated Defined Benefit Plans Adjustment Attributable to Parent [Member] Inventories Disposal Group, Including Discontinued Operation, Inventory Amount of gain (loss) recognized in income on derivative Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net Income tax provision (benefit) Income Tax Expense (Benefit) Interest cost Defined Benefit Plan, Interest Cost Debt instrument, interest rate, stated percentage Debt Instrument, Interest Rate, Stated Percentage Derivative, notional amount Derivative, Notional Amount Net amount Derivative Asset Other noncurrent liabilities Disposal Group, Including Discontinued Operation, Other Liabilities, Noncurrent Net sales Total Total net sales Revenue from Contract with Customer, Excluding Assessed Tax Location and Amount of Gains and Losses Gross of Tax on Derivative Instruments and Related Hedge Items Derivative Instruments, Gain (Loss) [Table Text Block] Services Service [Member] Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Effective income tax rate Effective Income Tax Rate Reconciliation, Percent Supplemental Balance Sheet Information, Leases Supplemental Balance Sheet Information Leases [Table Text Block] Supplemental Balance Sheet Information Leases [Table Text Block] AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward] AOCI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward] Income Tax Authority [Axis] Income Tax Jurisdiction [Axis] Loss contingency, number of subsidiaries named in lawsuits Loss Contingency, Number Of Subsidiaries Named In Lawsuits Loss Contingency, Number Of Subsidiaries Named In Lawsuits Number of reportable segments Number of Reportable Segments Total liabilities and equity Liabilities and Equity Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] All Adjustments to Compensation All Adjustments to Compensation [Member] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Accrued compensation and benefits Employee-related Liabilities, Current Short-term Debt, Type [Domain] Short-Term Debt, Type [Domain] Hedging Designation [Axis] Hedging Designation [Axis] Derivative Instruments and Hedging Activities Derivative Instruments and Hedging Activities Disclosure [Text Block] Derivative Instruments, Gain (Loss) by Hedging Relationship, by Income Statement Location, by Derivative Instrument Risk [Table] Derivative Instruments, Gain (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income (Loss) [Line Items] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Income from discontinued operations, net of tax (Note 3) Income (Loss) from Discontinued Operations, Net of Tax, Including Portion Attributable to Noncontrolling Interest 5.70% Senior Notes due 2041 Notes 5.700 Percent Due 2041 [Member] Notes 5.700 Percent Due 2041 Legal Entity [Axis] Legal Entity [Axis] Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Current portion of long-term debt Long-Term Debt and Lease Obligation, Current Capitalized Contract Cost Capitalized Contract Cost [Table Text Block] Loss contingency, number of tribal corporations Loss Contingency, Pending Claims, Number Of Tribal Corporations Filing Lawsuit Loss Contingency, Pending Claims, Number Of Tribal Corporations Filing Lawsuit Right-of-use assets obtained in exchange for operating lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability \$500 Million Facility Expiring Nov 2023 \$500 million facility expiring Nov 2023 [Member] \$500 million facility expiring Nov 2023 Underlying Security Market Price Change Underlying Security Market Price Change, Percent Expected return on plan assets Defined Benefit Plan, Expected Return (Loss) on Plan Assets AFFF Individual or Mass Actions Aqueous Film Forming Foam Individual Or Mass Actions [Member] Aqueous Film Forming Foam Individual Or Mass Actions HVAC Global Products - HVAC [Member] Global Products - HVAC [Domain] Individual: Individual [Axis] Commodity derivatives Commodity Contract [Member] Employee equity-based compensation withholding taxes Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation Income attributable to Johnson Controls Income (Loss) Attributable to Parent, before Tax [Abstract] Accumulated Other Comprehensive Income (Loss) AOCI Attributable to Parent AOCI Attributable to Parent [Member] Revenue, remaining performance obligation, expected timing of satisfaction, period Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Less: Restricted cash Restricted Cash Realized and unrealized gains (losses) on derivatives Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member] Inventories Inventories Inventory, Net Total liabilities classified as held for sale Disposal Group, Including Discontinued Operation, Liabilities Basic earnings per share attributable to Johnson Controls, Discontinued operations (in dollars per share) Discontinued Operation, Income (Loss) from Discontinued Operation, Net of Tax, Per Basic Share Cash used by investing activities from continuing operations Net Cash Provided by (Used in) Investing Activities, Continuing Operations Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Product and Service [Axis] Product and Service [Axis] Statement [Line Items] Statement [Line Items] Derivative Instruments and Hedging Activities Disclosure [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] 1.000% Senior Notes due 2032 Notes 1.000 Percent Due 2032 [Member] Notes 1.000 Percent Due 2032 Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Current assets held for sale Current assets held for sale Disposal Group, Including Discontinued Operation, Assets, Current Proceeds from divestiture of businesses Disposal Group, Including Discontinued Operation, Consideration Defined Benefit Plan Disclosure [Line Items] Defined Benefit Plan Disclosure [Line Items] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Financial Instruments [Domain] Financial Instruments [Domain] Liabilities and Equity Liabilities and Equity [Abstract] Copper Copper [Member] Copper [Member] Residential and Light Commercial HVAC Business Residential and Light Commercial HVAC Business [Member] Residential and Light Commercial HVAC Business Components of Net Periodic Benefit Cost Schedule of Net Benefit Costs [Table Text Block] Derivative Instruments and Hedging Activities Derivatives, Policy [Policy Text Block] Contract assets - noncurrent Contract with Customer, Asset, after Allowance for Credit Loss, Noncurrent Minimum [Member] Restatement Determination Date Restatement Determination Date Gross amount eligible for offsetting Derivative Asset, Subject to Master Netting Arrangement, before Offset of Collateral Other current liabilities Disposal Group, Including Discontinued Operation, Other Liabilities, Current Adoption Date Trading Arrangement Adoption Date Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Contract liabilities - noncurrent Contract with Customer, Liability, Noncurrent Building Solutions Asia Pacific Building Solutions Asia Pacific Segment [Member] Building Solutions Asia Pacific Segment Loss contingency, number of defendants Loss Contingency, Number of Defendants Operating lease right-of-use assets Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Colorado COLORADO Derivative Instruments, Gain (Loss) [Line Items] Derivative Instruments, Gain (Loss) [Line Items] Short-term Debt, Type [Axis] Short-Term Debt, Type [Axis] Segments [Axis] Segments [Axis] Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Ireland statutory income tax rate Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent Derivative Instrument [Axis] Derivative Instrument Risk [Axis] Derivative Instrument [Axis] Corporate expenses General Corporate Expenses General expenses recorded at the Corporate segment, Exercise Price Award Exercise Price Selling, general and administrative expenses Disposal Group, Including Discontinued Operation, General and Administrative Expense Earnings Per Share Earnings Per Share [Text Block] Arrangement Duration Trading Arrangement Duration Goodwill and Other Intangible Assets Goodwill and Intangible Assets Disclosure [Text Block] Basic earnings per share attributable to Johnson Controls, Continuing operations (in dollars per share) Income (Loss) from Continuing Operations, Per Basic Share Accrued compensation and benefits Disposal Group, Including Discontinued Operation, Accrued Compensation Disposal Group, Including Discontinued Operation, Accrued Compensation \$2.5 Billion Facility Expiring Dec 2024 \$2.5 billion facility expiring Dec 2024 [Member] \$2.5 billion facility expiring Dec 2024 Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Restructuring Plan [Axis] Restructuring Plan [Axis] Segments [Domain] Segments [Domain] Total self-insured liabilities Insurable Liabilities Insurable Liabilities Net tax impact Other Comprehensive Income (Loss), Tax Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd [Member] Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd All Individuals All Individuals [Member] Other Restructuring Costs, Other Restructuring Costs, Other Definite-lived intangible assets Finite-Lived Intangible Assets, Gross [Abstract] Disposal Group, Including Discontinued Operation, Assets, Noncurrent [Abstract] Disposal Group, Including Discontinued Operation, Assets, Noncurrent [Abstract] PEO PEO [Member] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Fair value of long term debt Debt Instrument, Fair Value Disclosure Name Trading Arrangement, Individual Name Goodwill Goodwill, Gross Postretirement Benefits Other Postretirement Benefits Plan [Member] Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Other intangible assets - net Net Intangible Assets, Net (Excluding Goodwill) Pre-tax gains (losses) related to net investment hedges recorded in other comprehensive income Other Comprehensive Income (Loss), Net Investment Hedge, Gain (Loss), before Reclassification and Tax Disposal Group Name [Axis] Disposal Group Name [Axis] Alaska ALASKA Utilized "noncash Restructuring Reserve, Settled without Cash Equity Loss Income (Loss) from Equity Method Investments FTC-Related Remediation and Litigation FTC-Related Remediation And Litigation [Member] FTC-Related Remediation And Litigation Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Disposal Groups, Including Discontinued Operations [Table] Disposal Groups, Including Discontinued Operations [Table] Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Retirement Plan Sponsor Location [Domain] Retirement Plan Sponsor Location [Domain] Noncurrent liabilities Liabilities, Noncurrent Capitalized contract cost, impairment loss Capitalized Contract Cost, Impairment Loss Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] 3.900% Notes due 2026 Notes 3.900 Percent Due 2026 [Member] Notes 3.900 Percent Due 2026 Gross profit Disposal Group, Including Discontinued Operation, Gross Profit (Loss) Intangible Assets [Table] Intangible Assets [Table] Intangible Assets [Table] Diluted earnings per share attributable to Johnson Controls, Discontinued operations (in dollars per share) Discontinued Operation, Income (Loss) from Discontinued Operation, Net of Tax, Per Diluted Share Local Phone Number Gross Carrying Amount Intangible Assets, Gross (Excluding Goodwill) Schedule of Loss Contingencies by Contingency Schedule of Loss Contingencies by Contingency [Table Text Block] Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Other Restructuring [Member] State or U.S. Territory Attorneys General Litigation Related to AFFF State Or U.S. Territory Attorneys General Litigation Related To Aqueous Film Forming Foam [Member] State Or U.S. Territory Attorneys General Litigation Related To Aqueous Film Forming Foam Reserve for environmental liabilities, current Accrued Environmental Loss Contingencies, Current Retirement Plan Sponsor Location [Axis] Retirement Plan Sponsor Location [Axis] Other assets Increase (Decrease) in Other Operating Assets Changes in assets and liabilities, excluding acquisitions and divestitures: Increase (Decrease) in Operating Capital [Abstract] PEO Total Compensation Amount PEO Total Compensation Amount Total liabilities Gross amount recognized Derivative Liability, Subject to Master Netting Arrangement, before Offset Pension and postretirement plans Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, after Tax Income Statement Location [Axis] Statement of Income Location, Balance [Axis] Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Debt Disclosure [Abstract] Debt Disclosure [Abstract] Ordinary Shares Common Stock [Member] Measure: Measure [Axis] 4.625% Senior Notes due 2044 Notes 4.625 Percent Due 2044 [Member] Notes 4.625 Percent Due 2044 Net asbestos-related liabilities Estimated Asbestos Related Net Liability On A Discounted Basis Estimated Asbestos Related Net Liability On A Discounted Basis Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Pre-tax gains (losses) related to net investment hedges reclassified from other comprehensive income Other Comprehensive Income (Loss), Net Investment Hedge, Gain (Loss), Reclassification, before Tax Entity Emerging Growth Company Entity Emerging Growth Company Indefinite-lived Intangible Assets [Axis] Indefinite-Lived Intangible Assets [Axis] Income Tax Examination Income Tax, Examination [Table] Total liabilities Liabilities, Fair Value Disclosure Entity Central Index Key Entity Central Index Key Inventories Schedule of Inventory, Current [Table Text Block] Cost of goods sold Disposal Group, Including Discontinued Operation, Costs of Goods Sold Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Foreign currency translation adjustments Accumulated Foreign Currency Adjustment Attributable to Parent [Member] Johnson Controls International PLC And Hitachi Global Life Solutions, Inc. Johnson Controls International PLC And Hitachi Global Life Solutions, Inc. [Member] Johnson Controls International PLC And Hitachi Global Life Solutions, Inc. Discontinued Operations and Disposal Groups [Abstract] Discontinued Operations and Disposal Groups [Abstract] Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Reclassification to income Reclassification from Accumulated Other Comprehensive Income, Current Period, before Tax Accruals for warranties issued during the period Standard and Extended Product Warranty Accrual, Increase for Warranties Issued Corporate Corporate Segment [Member] Accounts payable and accrued liabilities Increase (Decrease) in Accounts Payable and Accrued Liabilities Aqueous Film Forming Foam ("AFFF") Litigation Aqueous Film Forming Foam Litigation [Member] Aqueous Film Forming Foam Litigation Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Preferred shares, par value (in dollars per share) Preferred Stock, Par or Stated Value Per Share Financial Instrument [Axis] Financial Instrument [Axis] Other current assets Disposal Group, Including Discontinued Operation, Other Assets, Current Segment Information Segment Reporting Disclosure [Text Block] Cash used by operating activities Cash Provided by (Used in) Operating Activities, Discontinued Operations Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Debt Securities, Trading, and Equity Securities, FV-NI Debt Securities, Trading, and Equity Securities, FV-NI [Table Text Block] New Accounting Standards Accounting Standards Update and Change in Accounting Principle [Text Block] Share-based compensation expense APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Total Capitalized Contract Cost, Net Title Trading Arrangement, Individual Title Restructuring reserves Increase (Decrease) in Restructuring Reserve Insurance Settlements Receivable, Asbestos-Related Estimated Insurance Recoveries Statement [Table] Statement [Table] IRELAND IRELAND Measurement Frequency [Domain] Measurement Frequency [Domain] Pension and postretirement income and contributions Pension and Other Postretirement Benefits Expense (Reversal of Expense), Noncash Gross tax effected unrecognized tax benefits Unrecognized Tax Benefits Comprehensive income attributable to noncontrolling interests Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest Total asbestos-related liabilities Liability for Asbestos and Environmental Claims, Gross City Area Code City Area Code Provision for income taxes on discontinued operations Discontinued Operation, Tax Effect of Discontinued Operation Income from discontinued operations before income taxes Discontinued Operation, Income (Loss) from Discontinued Operation, before Income Tax Accrued compensation and benefits Accrued Compensation and Benefits [Member] Accrued Compensation and Benefits [Member] Restructuring and impairment costs Disposal Group, Including Discontinued Operation, Restructuring And Impairment Costs Disposal Group, Including Discontinued Operation, Restructuring And Impairment Costs Net proceeds from borrowings with maturities less than three months Proceeds from (Repayments of) Short-Term Debt, Maturing in Three Months or Less Contingent earn-out liabilities Business Combination, Contingent Consideration, Liability Investments Restricted Investments Disposal Group Classification [Domain] Disposal Group Classification [Domain] Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Capital expenditures Payments to Acquire Productive Assets Quoted Prices in Active Markets (Level 1) Public debt Fair Value, Inputs, Level 1 [Member] Stockholders' Equity Note [Abstract] Stockholders' Equity Note [Abstract] Foreign currency translation adjustments Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] Water Provider AFFF Settlement Agreement Water Provider AFFF Settlement Agreement [Member] Water Provider AFFF Settlement Agreement Tax Jurisdictions and Years Currently under Audit Exam Summary of

Income Tax Examinations [Table Text Block] Stock Repurchases and retirements Payments for Repurchase of Common Stock New Multi-Year Restructuring Plan New Multi-Year Restructuring Plan [Member] New Multi-Year Restructuring Plan Number of revolving credit facilities Line of Credit Facility, Number of Credit Facilities Line of Credit Facility, Number of Credit Facilities Document Information [Line Items] Document Information [Line Items] Environmental loss contingencies payment period Environmental Loss Contingencies, Payment Period Environmental Loss Contingencies, Payment Period 4.6500% Debentures due December 1, 2045 Debentures 6.9500 Percent Due December 1, 2045 [Member] Debentures 6.9500 Percent Due December 1, 2045 Schedule of Segment Reporting Information, by Segment Schedule of Segment Reporting Information, by Segment [Table] Noncash discrete net tax benefit Effective Income Tax Rate Reconciliation, Change in Enacted Tax Rate, Amount Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Restructuring Reserve [Roll Forward] Restructuring Reserve [Roll Forward] Total insurance receivables Insurance Settlements Receivable Miscellaneous Other Intangible Assets [Member] Revenue, remaining performance obligation, percentage Revenue, Remaining Performance Obligation, Percentage Income Taxes Income Tax Disclosure [Text Block] Repurchases and retirements of ordinary shares Stock Repurchased and Retired During Period, Value Basic earnings per share attributable to Johnson Controls Earnings Per Share [Abstract] Raw materials and supplies Inventory, Raw Materials, Net of Reserves Continuing operations Income (Loss) from Continuing Operations, Net of Tax, Attributable to Noncontrolling Interest Retained earnings Retained Earnings (Accumulated Deficit) Class of Stock [Domain] Class of Stock [Domain] Domestic Plan Domestic Plan [Member] Inventories Increase (Decrease) in Inventories Equity securities, FV-NI, unrealized gain (loss) Equity Securities, FV-NI, Unrealized Gain (Loss) Contribution to resolve settlement Litigation Settlement, Amount Awarded to Other Party Other noncurrent liabilities Other Noncurrent Liabilities [Member] Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Schedule of Short-Term Debt Schedule of Short-Term Debt [Table Text Block] Equity Awards Adjustments Equity Awards Adjustments [Member] Hitachi Global Life Solutions, Inc. Hitachi Global Life Solutions, Inc. [Member] Hitachi Global Life Solutions, Inc. Underlying Securities Award Underlying Securities Amount Currency translation Standard and Extended Product Warranty Accrual, Foreign Currency Translation Gain (Loss) Credit Facility [Axis] Credit Facility [Axis] Cash dividends declared Dividends, Common Stock, Cash Product Warranties Disclosures [Abstract] Product Warranties Disclosures [Abstract] Amendment Flag Amendment Flag Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Entity Registrant Name Entity Registrant Name 3.000% Senior Notes due 2028 Notes 3.000 Percent Due 2028 [Member] Notes 3.000 Percent Due 2028 Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Depreciation and amortization Depreciation, Depletion and Amortization Gross profit Gross Profit Changes in Carrying Amount of Product Warranty Liability Schedule of Product Warranty Liability [Table Text Block] Fair Value as of Grant Date Award Grant Date Fair Value Significant Other Observable Inputs (Level 2) Other long-term debt Fair Value, Inputs, Level 2 [Member] Debt and Financing Arrangements Debt Disclosure [Text Block] Fair Value, Measurements, Fair Value Hierarchy [Domain] Fair Value Hierarchy and NAV [Domain] Geographical [Domain] Geographical [Domain] Capitalized contract cost, amortization Capitalized Contract Cost, Amortization Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Debt instrument, face amount Debt Instrument, Face Amount Disaggregation of Revenue Disaggregation of Revenue [Table Text Block] Other intangible assets - net Disposal Group, Including Discontinued Operation, Intangible Assets Balance at September 30, 2024 Balance at December 31, 2024 Standard and Extended Product Warranty Accrual Entity Address, Postal Zip Code Entity Address, Postal Zip Code Principles of Consolidation Consolidation, Policy [Policy Text Block] Schedule of Restructuring and Related Costs Restructuring Cost [Table] Interest rate swaps Interest Rate Swap [Member] Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Ordinary shares, \$0.01 par value Common Stock, Value, Issued Insurance receivables, noncurrent Insurance Settlements Receivable, Noncurrent Conditional asset retirement obligations Asset Retirement Obligation Total asbestos-related assets Restricted Cash and Investments Cash and cash equivalents Cash and cash equivalents at end of period Cash and Cash Equivalents, at Carrying Value Foreign currency denominated debt Foreign Currency Denominated Debt [Member] Foreign Currency Denominated Debt [Member] Global Products Global Products Segment [Member] Global Products Segment Current period changes in fair value Other Comprehensive Income (Loss), before Reclassifications, before Tax Intangible Assets [Line Items] Intangible Assets [Line Items] Intangible Assets [Line Items] Other - net Payments for (Proceeds from) Other Investing Activities Other noncurrent assets Other Noncurrent Assets [Member] Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Other current liabilities Other Current Liabilities [Member] Financing Activities of Continuing Operations Net Cash Provided by (Used in) Financing Activities [Abstract] Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Preferred shares, \$0.01 par value Preferred Stock, Value, Issued Basic (in dollars per share) Earnings Per Share, Basic Schedule of Short-Term Debt [Table] Short-Term Debt [Table] Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Fire & Security Global Products - Fire & Security [Member] Global Products - Fire & Security [Domain] Trademarks/trade names Trademarks [Member] Change in cash, cash equivalents and restricted cash held for sale Change in Cash, Cash Equivalents and Restricted Cash Held For Sale Change in cash, cash equivalents, and restricted cash that are held for sale apart from normal operations and anticipated to be sold within one year. Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Fair Value of Assets Derivative Asset [Abstract] Schedule of Goodwill [Table] Goodwill [Table] 1.750% Senior Notes due 2030 Notes 1.750 Percent Due 2030 [Member] Notes 1.750 Percent Due 2030 Derivatives and Hedging Activities Designated as Hedging Instruments Designated as Hedging Instrument [Member] Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Current liabilities Liabilities, Current Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Weighted Average Shares Outstanding Weighted Average Number of Shares Outstanding, Diluted [Abstract] Total assets Assets Cost of sales Cost of Goods and Services Sold Other noncurrent liabilities Other Liabilities, Noncurrent Movement in Standard Product Warranty Accrual [Roll Forward] Movement in Standard Product Warranty Accrual [Roll Forward] Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Commitments and contingencies (Note 18) Commitments and Contingencies Asbestos Issue Asbestos Issue [Member] Termination Date Trading Arrangement Termination Date Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] 0.375% Senior Notes due 2027 Notes 0.375 Percent Due 2027 [Member] Notes 0.375 Percent Due 2027 Bank borrowings Notes Payable to Banks [Member] 5.500% Senior Notes due 2029 Notes 5.500 Percent Due 2029 [Member] Notes 5.500 Percent Due 2029 Loss contingency, pending claims, number of states originated from Loss Contingency, Pending Claims, Number Of States Originated From Loss Contingency, Pending Claims, Number Of States Originated From Investments in exchange traded funds Exchange Traded Funds [Member] Derivatives and Hedging Activities Not Designated as Hedging Instruments Not Designated as Hedging Instrument [Member] Entity Address, City or Town Entity Address, City or Town Proceeds from debt Proceeds from Issuance of Long-Term Debt 4.250% Senior Notes due 2035 Notes 4.250 Percent Due 2035 [Member] Notes 4.250 Percent Due 2035 Debt Instrument [Axis] Debt Instrument [Axis] Noncurrent liabilities held for sale Noncurrent liabilities held for sale Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent Fair Value of Long-Term Debt Schedule of Carrying Values and Estimated Fair Values of Debt Instruments [Table Text Block] Assets and Liabilities Held for Sale and Discontinued Operations Disposal Groups, Including Discontinued Operations, Disclosure [Text Block] Net income attributable to Johnson Controls Net Income (Loss) Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Unrecognized tax benefits, income tax penalties and interest expense Unrecognized Tax Benefits, Income Tax Penalties and Interest Expense Accumulated Other Comprehensive Income (Loss) Comprehensive Income (Loss) Note [Text Block] Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Loss Contingencies [Table] Loss Contingencies [Table] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Entity File Number Entity File Number Water systems AFFR insurance recoveries Insurance receivables for asbestos-related liabilities Insurance Recoveries Realized and unrealized gains (losses) on derivatives Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification and Tax Revenue Recognition Revenue from Contract with Customer [Text Block] Document Fiscal Year Focus Document Fiscal Year Focus Shareholders' Equity Attributable to Noncontrolling Interests Noncontrolling Interest [Member] Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Indefinite-lived intangible assets Indefinite-Lived Intangible Assets (Excluding Goodwill) [Abstract] Effect of exchange rate changes on cash, cash equivalents and restricted cash Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Restructuring Plan [Domain] Restructuring Plan [Domain] Total assets Assets, Fair Value Disclosure Name Forgone Recovery, Individual Name Document Period End Date Document Period End Date Deferred revenue Disposal Group, Including Discontinued Operation, Deferred Revenue Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] Finished goods Inventory, Finished Goods, Net of Reserves Other - net Other Noncash Income (Expense) Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Total segment EBITA Segment EBITA Amount of income or loss from continuing operations before income taxes and noncontrolling interests, excluding general corporate expenses, intangible asset amortization, net financing charges, significant restructuring and impairment costs, and net mark-to-market adjustments on pension and postretirement plans. Insider Trading Arrangements [Line Items] Other Intangible Assets Schedule Of Intangible Assets Table [Table Text Block] Tabular disclosure of amortizable and unamortizable intangible assets other than goodwill, in total and by major class, including the gross carrying amount and accumulated amortization. A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company. Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount North Carolina NORTH CAROLINA Other current assets Other Current Assets [Member] PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Discontinued Operations, Disposed of by Sale Discontinued Operations, Disposed of by Sale [Member] Diluted earnings per share attributable to Johnson Controls, Continuing operations (in dollars per share) Income (Loss) from Continuing Operations, Per Diluted Share Effect of dilutive securities: Dilutive Securities, Effect on Basic Earnings Per Share [Abstract] Contract with customer, liability, revenue recognized Contract with Customer, Liability, Revenue Recognized Adjustment to Compensation: Adjustment to Compensation [Axis] Products and systems Products and Systems [Member] Products and Systems [Member] Continuing operations Net Income (Loss) Attributable to Noncontrolling Interest Fair Value of Liabilities Derivative Liability [Abstract] Foreign currency exchange derivatives Foreign Exchange Contract [Member] Document Transition Report Document Transition Report Document Quarterly Report Document Quarterly Report Segment Reporting, Disclosure of Entity's Reportable Segments [Abstract] Segment Reporting, Disclosure of Entity's Reportable Segments [Abstract] Segment Reporting, Disclosure of Entity's Reportable Segments [Abstract] United States, Excluding Colorado United States, Excluding Colorado [Member] United States, Excluding Colorado Litigation Case [Domain] Litigation Case [Domain] Fair Value Measurements, Recurring and Nonrecurring Fair Value, Recurring and Nonrecurring [Table] Accumulated other comprehensive loss Accumulated Other Comprehensive Income (Loss), Net of Tax Comprehensive income attributable to noncontrolling interests: Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest [Abstract] Entity Current Reporting Status Entity Current Reporting Status Retained Earnings Retained Earnings [Member] Cash Restricted Cash and Cash Equivalents Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Loss contingency, number of subsidiaries in civil enforcement action Loss Contingency, Number Of Subsidiaries In Civil Enforcement Action Loss Contingency, Number Of Subsidiaries In Civil Enforcement Action Basic weighted average shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Document Information [Table] Document Information [Table] Total equity Beginning Balance Ending Balance Equity, Including Portion Attributable to Noncontrolling Interest Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Name Awards Close in Time to MNPI Disclosures, Individual Name Entity Filer Category Entity Filer Category 3.125% Senior Notes due 2033 Notes 3.125 Percent Due 2033 [Member] Notes 3.125 Percent Due 2033 Restructuring reserve, beginning balance Restructuring reserve, ending balance Restructuring Reserve Revenue, remaining performance obligation, amount Revenue, Remaining Performance Obligation, Amount Discontinued Operations Net Cash Provided by (Used in) Discontinued Operations [Abstract] Income Statement Location [Domain] Statement of Income Location, Balance [Domain] Building Solutions North America Building Solutions North America Segment [Member] Building Solutions North America Segment Loss Contingencies [Line Items] Loss Contingencies [Line Items] Company Selected Measure Name Company Selected Measure Name Technology Patented Technology [Member] EX-101.PRE 9 jci-20241231\_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT XML 11 R1.htm IDEA: XBRL DOCUMENT v3.25.0.1 Cover 3 Months Ended Dec. 31, 2024 shares Document Information [Line Items] A Document Type 10-Q Document Quarterly Report true Document Period End Date Dec. 31, 2024 Document Transition Report false Entity File Number 001-13836 Entity Entity Registrant Name JOHNSON CONTROLS INTERNATIONAL PLC Entity Incorporation, State or Country Code L2 Entity Tax Identification Number 98-0390500 Entity Address, Address Line One One Albert Quay Entity Address, City or Town Cork Entity Address, Country IE Entity Address, Postal Zip Code T12 X8N6 City Area Code 353 Local Phone Number 21-423-5000 Entity Current Reporting Status Yes Entity Interactive Data Current Yes Entity Filer Category Large Accelerated Filer Entity Emerging Growth Company false Entity Small Business false Entity Shell Company false Entity Common Stock, Shares Outstanding 660,594,161 Entity Central Index Key 0000833444 Current Fiscal Year End Date -09-30 Document Fiscal Year Focus 2025 Document Fiscal Period Focus Q1 Amendment Flag false Ordinary Shares, Par Value \$0.01 A Document Information [Line Items] A Title of 12(b) Security Ordinary Shares, Par Value \$0.01 Trading Symbol JCI Security Exchange Name NYSE A 1.375% Notes due 2025 A Document Information [Line Items] A Title of 12(b) Security 1.375% Notes due 2025 Trading Symbol JCI25A Security Exchange Name NYSE A 3.900% Notes due 2026 A Document Information [Line Items] A Title of 12(b) Security 3.900% Notes due 2026 Trading Symbol JCI26A Security Exchange Name NYSE 0.375% Senior Notes due 2027 A Document Information [Line Items] A Title of 12(b) Security 0.375% Senior Notes due 2027 Trading Symbol JCI27 Security Exchange Name NYSE 3.000% Senior Notes due 2028 A Document Information [Line Items] A Title of 12(b) Security 3.000% Senior Notes due 2028 Trading Symbol JCI28 Security Exchange Name NYSE 5.500% Senior Notes due 2029 A Document Information [Line Items] A Title of 12(b) Security 5.500% Senior Notes due 2029 Trading Symbol JCI29 Security Exchange Name NYSE 1.750% Senior Notes due 2030 A Document Information [Line Items] A Title of 12(b) Security 1.750% Senior Notes due 2030 Trading Symbol JCI30 Security Exchange Name NYSE 2.000% Sustainability-Linked Senior Notes due 2031 A Document Information [Line Items] A Title of 12(b) Security 2.000% Sustainability-Linked Senior Notes due 2031 Trading Symbol JCI31 Security Exchange Name NYSE 1.000% Senior Notes due 2032 A Document Information [Line Items] A Title of 12(b) Security 1.000% Senior Notes due 2032 Trading Symbol JCI32 Security Exchange Name NYSE 4.900% Senior Notes due 2032 A Document Information [Line Items] A Title of 12(b) Security 4.900% Senior Notes due 2032 Trading Symbol JCI32A Security Exchange Name NYSE 3.125% Senior Notes due 2033 A Document Information [Line Items] A Title of 12(b) Security 3.125% Senior Notes due 2033 Trading Symbol JCI33 Security Exchange Name NYSE 4.250% Senior Notes due 2035 A Document Information [Line Items] A Title of 12(b) Security 4.250% Senior Notes due 2035 Trading Symbol JCI35 Security Exchange Name NYSE 4.000% Notes due 2036 A Document Information [Line Items] A Title of 12(b) Security 4.000% Notes due 2036 Trading Symbol JCI36A Security Exchange Name NYSE 5.70% Senior Notes due 2041 A Document Information [Line Items] A Title of 12(b) Security 5.70% Senior Notes due 2041 Trading Symbol JCI41B Security Exchange Name NYSE A 5.250% Senior Notes due 2041 A Document Information [Line Items] A Title of 12(b) Security 5.250% Senior Notes due 2041 Trading Symbol JCI41C Security Exchange Name NYSE A 4.625% Senior Notes due 2044 A Document Information [Line Items] A Title of 12(b) Security 4.625% Senior Notes due 2044 Trading Symbol JCI44A Security Exchange Name NYSE A 5.125% Notes due 2045 A Document Information [Line Items] A Title of 12(b) Security 5.125% Notes due 2045 Trading Symbol JCI45B Security Exchange Name NYSE A 6.950% Debentures due December 1, 2045 A Document Information [Line Items] A Title of 12(b) Security 6.950% Debentures due December 1, 2045 Trading Symbol JCI45A Security Exchange Name NYSE A 4.500% Senior Notes due 2047 A Document Information [Line Items] A Title of 12(b) Security 4.500% Senior Notes due 2047 Trading Symbol JCI47 Security Exchange Name NYSE A 4.950% Senior Notes due 2064 A Document Information [Line Items] A Title of 12(b) Security 4.950% Senior Notes due 2064 Trading Symbol JCI64A Security Exchange Name NYSE X - Definition Boolean flag that is true when the XBRL content amends previously-filed or accepted submission. + References No definition available. + Details

Name: dei\_AmendmentFlag Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei\_CityAreaCode Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei\_CurrentFiscalYearEndDate Namespace Prefix: dei\_Data Type: xbrli:MonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei\_DocumentFiscalPeriodFocus Namespace Prefix: dei\_Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei\_DocumentFiscalYearFocus Namespace Prefix: dei\_Data Type: xbrli:yearItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: dei\_DocumentInformationLineItems Namespace Prefix: dei\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei\_DocumentPeriodEndDate Namespace Prefix: dei\_Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a quarterly report. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Form 10-Q-Number 240-Section 308-Subsection a> + Details Name: dei\_DocumentQuarterlyReport Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Forms 10-K, 10-Q, 20-F-Number 240-Section 13-Subsection a-1> + Details Name: dei\_DocumentTransitionReport Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei\_DocumentType Namespace Prefix: dei\_Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei\_EntityAddressAddressLine1 Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei\_EntityAddressCityOrTown Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionISO 3166-1 alpha-2 country code. + ReferencesNo definition available. + Details Name: dei\_EntityAddressCountry Namespace Prefix: dei\_Data Type: dei:postalCodeItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei\_EntityAddressPostalZipCode Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityCentralIndexKey Namespace Prefix: dei\_Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei\_EntityCommonStockSharesOutstanding Namespace Prefix: dei\_Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei\_EntityCurrentReportingStatus Namespace Prefix: dei\_Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityEmergingGrowthCompany Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei\_EntityFileNumber Namespace Prefix: dei\_Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityFilerCategory Namespace Prefix: dei\_Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei\_EntityIncorporationStateCountryCode Namespace Prefix: dei\_Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Regulation S-T-Number 232-Section 405> + Details Name: dei\_EntityInteractiveDataCurrent Namespace Prefix: dei\_Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityRegistrantName Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityShellCompany Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntitySmallBusiness Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b-2> + Details Name: dei\_EntityTaxIdentificationNumber Namespace Prefix: dei\_Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei\_LocalPhoneNumber Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection b> + Details Name: dei\_Security12bTitle Namespace Prefix: dei\_Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC-Name Exchange Act-Number 240-Section 12-Subsection d1-1> + Details Name: dei\_SecurityExchangeName Namespace Prefix: dei\_Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei\_TradingSymbol Namespace Prefix: dei\_Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_OrdinarySharesParValue001Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes1375PercentDue2025Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes3900PercentDue2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes0375PercentDue2027Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes3000PercentDue2028Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes5.500PercentDue2029Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes1750PercentDue2030Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_SustainabilityNotes2000PercentDue2031Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes1000PercentDue2032Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes4900PercentDue2032Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes3.125PercentDue2033Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes4250PercentDue2035Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes6000PercentDue2036Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes5700PercentDue2041Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes5250PercentDue2041Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes4625PercentDue2044Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes5125PercentDue2045Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Debentures6950PercentDueDecember12045Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes4500PercentDue2047Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_StatementClassOfStockAxis=jci\_Notes4950PercentDue2064Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 12 R2.htm IDEA: XBRL DOCUMENT v3.25.0.1 Consolidated Statements of Income - USD (\$) in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Net sales \$ 5,426 \$ 5,209 Cost of sales 3,500 3,431 Gross profit 1,926 1,778 Selling, general and administrative expenses 1,399 1,334 Restructuring and impairment costs 33 35 Net financing charges 86 87 Equity loss 0 (2) Income from continuing operations before income taxes 408 320 Income tax provision (benefit) 47 (20) Income from continuing operations 361 344 Income from discontinued operations, net of tax (Note 3) 90 64 Net income 451 404 Net Income (Loss) Attributable to Noncontrolling Interest [Abstract] Á Á Continuing operations (2) 0 Discontinued operations 34 30 Net income attributable to Johnson Controls 419 374 Income attributable to Johnson Controls Á Á Continuing operations 363 340 Discontinued operations \$ 56 \$ 34 Basic earnings per share attributable to Johnson Controls Á Á Basic earnings per share attributable to Johnson Controls, Continuing operations (in dollars per share) 0.63 0.55 Diluted earnings per share attributable to Johnson Controls Á Á Diluted earnings per share attributable to Johnson Controls, Continuing operations (in dollars per share) 0.55 0.50 Diluted earnings per share attributable to Johnson Controls, Discontinued operations (in dollars per share) 0.08 0.05 Diluted (in dollars per share) 0.63 0.55 Products and systems Á Á Net sales \$ 3,685 \$ 3,604 Cost of sales 2,456 2,490 Services Á Á Net sales 1,741 1,605 Cost of sales \$ 1,044 \$ 941 X - DefinitionNet financing charges includes interest expense, interest income, bank fees and amortization of debt issuance costs. + ReferencesNo definition available. + Details Name: jci\_NetFinancingCharges Namespace Prefix: jci\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph \(SX 210.5-03\(2\)\(d\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(2)(d))) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-599-2>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph \(SX 210.5-03\(2\)\(a\)\)](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(2)(a))) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-599-2>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 924-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SAB Topic 11.L\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 924-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SAB Topic 11.L)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479941/924-10-599-1> + Details Name: us-gaap\_CostOfGoodsAndServicesSold Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPer basic share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation. + ReferencesNo definition available. + Details Name: us-gaap\_DiscontinuedOperationIncomeLossFromDiscontinuedOperationNetOfTaxPerBasicShare Namespace Prefix: us-gaap\_Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionPer diluted share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation. + ReferencesNo definition available. + Details Name: us-gaap\_DiscontinuedOperationIncomeLossFromDiscontinuedOperationNetOfTaxPerDilutedShare Namespace Prefix: us-gaap\_Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_EarningsPerShareAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/exampleRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 5> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-52>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(g\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (g)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 323-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph \(g\)\(3\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 323-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph (g)(3)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 15> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-15>Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(e\)\(4\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (e)(4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(f\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (f)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 7> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-7>Reference 11: <https://asc.fasb.org/1943274/2147483443/250-10-50-7>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 2> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-2>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 2> -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-2>







[http://www.xbrl.org/2009/role/commonPracticeRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(4\)\(ii\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(4\)\(iii\)\(A\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(i\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(ii\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iii\)\(A\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iii\)\(B\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(5\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29): [http://www.xbrl.org/2003/role/disclosureRef-Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.9-05\(b\)\(2\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 30](http://www.xbrl.org/2003/role/disclosureRef-Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 30): <http://www.xbrl.org/2003/role/disclosureRef-Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 31>: <http://www.xbrl.org/2003/role/exampleRef-Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32>: <http://www.xbrl.org/2003/role/exampleRef-Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34](http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34): [http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35](http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35): <http://www.xbrl.org/2003/role/disclosureRef-Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph \(a\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37](http://www.xbrl.org/2003/role/disclosureRef-Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37):

gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-45-1A + Details Name: us-gaap\_OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentNetOfTaxPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after tax and reclassification, of gain (loss) from derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10A + Details Name: us-gaap\_OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationAndTax Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after tax and reclassification, of gain (loss) from derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness, attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11 + Details Name: us-gaap\_OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationAndTaxNoncontrollingInterest Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (a) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap\_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-4Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap\_OtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_OtherComprehensiveIncomeLossNetOfTaxPeriodIncreaseDecreaseAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to noncontrolling interests. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap\_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after tax and reclassification adjustment, of (increase) decrease in accumulated other comprehensive income for defined benefit plan. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (j) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (k) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap\_OtherComprehensiveIncomeLossPensionAndOtherPostretirementBenefitPlansAdjustmentNetOfTax Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_OtherComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterestAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(ii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap\_ProfitLoss Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_StatementOfIncomeAndComprehensiveIncomeAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 14 R4.htm IDEA: XBRL DOCUMENT v3.25.0.1 Consolidated Statements of Financial Position - USD (\$) in Millions Dec. 31, 2024 Sep. 30, 2024 Assets A Cash and cash equivalents \$ 1,237 \$ 606 Accounts receivable, less allowance for expected credit losses of \$236 and \$210, respectively 5,614 6,051 Inventories 1,739 1,774 Current assets held for sale 1,658 1,595 Other current assets 1,041 1,153 Current assets 11,289 11,179 Property, plant and equipment - net 2,418 2,403 Goodwill 16,412 16,725 Other intangible assets - net 3,963 4,130 Noncurrent assets held for sale 2,986 3,210 Other noncurrent assets 5,030 5,048 Total assets 42,098 42,695 Liabilities and Equity A Short-term debt 882 953 Current portion of long-term debt 522 536 Accounts payable 3,214 3,389 Accrued compensation and benefits 917 1,048 Deferred revenue 2,211 2,160 Current liabilities held for sale 1,322 1,431 Other

current liabilities 2,015,243,8 Current liabilities 11,083,11,955 Long-term debt 8,589,8,004 Pension and postretirement benefit obligations 192,217 Noncurrent liabilities held for sale 407 405  
Other noncurrent liabilities 4,697,4,753 Noncurrent liabilities 13,885,13,379 Commitments and contingencies (Note 18) Ordinary shares, \$0.01 par value 7 7 Ordinary A shares, \$1.00 par value 0 0 Preferred shares, \$0.01 par value 0 0 Ordinary shares held in treasury, at cost (1,297) (1,268) Capital in excess of par value 17,543,17,475 Retained earnings 691,848 Accumulated other comprehensive loss (1,044) (964) Shareholders' equity attributable to Johnson Controls 15,900,16,098 Noncontrolling interests 1,230,1,263 Total equity 17,130,17,361 Total liabilities and equity \$42,098 \$42,695 X - DefinitionCommon Stock A, Value, Issued + ReferencesNo definition available. + Details Name: jci CommonStockAValueIssued Namespace Prefix: jci Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10> + Details Name: us-gaap AccountsPayableCurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481990/310-10-45-2> + Details Name: us-gaap AccountsReceivableNetCurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference> 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(3)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference> 7: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482790/220-10-45-14> + Details Name: us-gaap AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionValue received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap AdditionalPaidInCapitalCommonStock Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference> 5: <http://fasb.org/us-gaap/role/ref/otherTransitionRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference> 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference> 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference> 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference> 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference> 11: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference> 12: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 13: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference> 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference> 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference> 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 18: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 19: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 20: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 21: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 22: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 23: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 24: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 25: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 26: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 27: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 28: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference> 29: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481050-30Reference> 30: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478546/942-210-S99-1> + Details Name: us-gaap Assets Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap AssetsCurrent Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference> 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference> 6: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference> 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 10: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 11: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 18: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 20: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7> + Details Name: us-gaap AssetsCurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-1Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference> 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference>





Paragraph 11 - Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) - Publisher FASB -URI https://asc.fasb.org/1943274/214748777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Reflects the total carrying amount as of the balance sheet date of debt having initial terms less than one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(13)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(1)) - Publisher FASB -URI https://asc.fasb.org/1943274/214748777/944-210-S99-1 + Details Name: us-gaap ShortTermBorrowings Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-02(30)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) - Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) - Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap StockholdersEquity Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Amount of equity (deficit) attributable to parent and noncontrolling interest. Excludes temporary equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) - Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (d)(1) - Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (e) - Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(4) - 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Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(3) - Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(3) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) - Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Subparagraph (a) - Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 34: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-3Reference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 38: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) - 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Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 43: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 44: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) - Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 45: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) - Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 46: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-15Reference 47: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-16Reference 48: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-41Reference 49: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) - Publisher FASB -URI https://asc.fasb.org/1943274/2147476166/350-60-65-1 + Details Name: us-gaap StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition The amount allocated to treasury stock. Treasury stock is common and preferred shares of an entity that were issued, repurchased by the entity, and are held in its treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481520/505-30-50-4Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap TreasuryStockValue Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X ML 15 R5.htm IDEA: \$(B) DOCUMENT v3.25.0.1 Consolidated Statements of Financial Position (Parenthetical) \$ in Millions Dec. 31, 2024 USD (\$) / shares Dec. 31, 2024 â / shares Sep. 30, 2024 USD (\$) / shares Sep. 30, 2024 â / shares Accounts receivable, allowance for credit loss, current | \$ 236 Å þ 210 Å Ordinary shares, par value (in dollars per share) \$ 0.01 Å \$ 0.01 Å Preferred shares, par value (in dollars per share) \$ 0.01 Å \$ 0.01 Å Common Class A Å Å Å Å Ordinary shares, par value (in dollars per share) | Å - / shares Å Å - 1.00 Å Å - 1.00 X - Definition Amount of allowance for credit loss on accounts receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4 + Details Name: us-gaap AllowanceForDoubtfulAccountsReceivableCurrent Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Face amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) - Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap\_CommonStockParOrStatedValuePerShare



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-URI https://asc.fasb.org/1943274/2147476166/350-60-65-1 - Details Name: us-gaap\_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition This element represents movements included in the statement of changes in stockholders' equity which are not separately disclosed or provided for elsewhere in the taxonomy. + ReferencesNo definition available. + Details Name: us-gaap\_StockholdersEquityOther Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 18 R8.htm IDEA: XBRL DOCUMENT v3.25.0.1 Basis of Presentation 3 Months Ended Dec. 31, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] A Basis of Presentation BASIS OF PRESENTATION The consolidated financial statements include the consolidated accounts of Johnson Controls International plc, a public limited company organized under the laws of Ireland, and its subsidiaries (Johnson Controls International plc and all its subsidiaries, hereinafter collectively referred to as the "Company" or "Johnson Controls"). In the opinion of management, the accompanying unaudited consolidated financial statements contain all adjustments (which include normal recurring adjustments) necessary to state fairly the financial position, results of operations and cash flows for the periods presented. Certain information and footnote disclosures normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") have been omitted pursuant to the rules and regulations of the United States Securities and Exchange Commission ("SEC"). These consolidated financial statements should be read in conjunction with the audited financial statements and notes thereto included in the Company's Annual Report on Form 10-K for the year ended September 30, 2024 filed with the SEC on November 19, 2024. The results of operations for the three month period ended December 31, 2024 are not necessarily indicative of results for the Company's 2025 fiscal year because of seasonal and other factors. Nature of Operations Johnson Controls International plc, headquartered in Cork, Ireland, is a global leader in smart, healthy and sustainable buildings, serving a wide range of customers around the globe. The Company's products, services, systems and solutions advance the safety, comfort and intelligence of spaces to serve people, places and the planet. The Company is committed to helping its customers win and creating greater value for all of its stakeholders through its strategic focus on buildings. The Company is a global leader in engineering, manufacturing, commissioning and retrofitting building products and systems, including residential and commercial heating, ventilating, air-conditioning ("HVAC") equipment, industrial refrigeration systems, controls, security systems, fire-detection systems and fire-suppression solutions. The Company further serves customers by providing technical services, including maintenance, management, repair, retrofit and replacement of equipment (in the HVAC, industrial refrigeration, controls, security and fire-protection space) and energy-management consulting. The Company's OpenBlue digital software platform enables enterprises to better manage their physical spaces by combining the Company's building products and services with cutting-edge technology and digital capabilities to enable data-driven smart building services and solutions. The Company partners with customers by leveraging its broad product portfolio and digital capabilities, together with its direct channel service and solutions capabilities, to deliver outcome-based solutions across the lifecycle of a building that address customers' needs to improve energy efficiency, enhance security, create healthy environments and reduce greenhouse gas emissions. As discussed in more detail in Note 3, "Assets and Liabilities Held for Sale and Discontinued Operations", the Company has entered into a definitive agreement to sell its Residential and Light Commercial ("R&L") HVAC business, including the North America Ducted business and the global Residential joint venture with Hitachi Global Life Solutions, Inc. ("Hitachi"), of which Johnson Controls owns 60% and Hitachi owns 40%. The R&L HVAC business, which was previously reported in the Global Products segment, meets the criteria to be classified as a discontinued operation and, as a result, its historical financial results are reflected in the consolidated financial statements as a discontinued operation, and assets and liabilities are classified as held for sale for all periods presented. Unless otherwise noted, all activities and amounts reported in the following footnotes relate to the continuing operations of the Company and exclude activities and amounts related to the R&L HVAC business. Principles of Consolidation The consolidated financial statements include the consolidated accounts of Johnson Controls International plc and its subsidiaries that are consolidated in conformity with U.S. GAAP. The results of companies acquired or disposed of during the reporting period are included in the consolidated financial statements from the effective date of acquisition or up to the date of disposal. Investments in partially-owned affiliates are accounted for by the equity method when the Company exercises significant influence, which typically occurs when its ownership interest exceeds 20%, and the Company does not have a controlling interest. The Company consolidates variable interest entities ("VIE") when it has the power to direct the significant activities of the entity and the obligation to absorb losses or receive benefits from the entity that may be significant. The Company did not have any material consolidated or nonconsolidated VIE's for the presented reporting periods. X - ReferencesNo definition available. + Details Name: us-gaap\_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition The entire disclosure for organization, consolidation and basis of presentation of financial statements disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480424/946-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480424/946-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/810/tableOfContentReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205/tableOfContent + Details Name: us-gaap\_OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock Namespace Prefix: us-gaap\_ Data Type: dt:types:textBlockItemType Balance Type: na Period Type: duration XML 19 R9.htm IDEA: XBRL DOCUMENT v3.25.0.1 New Accounting Standards 3 Months Ended Dec. 31, 2024 Accounting Standards Update and Change in Accounting Principle [Abstract] A New Accounting Standards NEW ACCOUNTING STANDARDS Recently Adopted Accounting Pronouncements In September 2022, the FASB issued ASU 2022-04, "Disclosure of Supplier Finance Program Obligations," which is intended to enhance the transparency surrounding the use of supplier finance programs. Supplier finance programs may also be referred to as reverse factoring, payables finance, or structured payables arrangements. The amendments require a buyer that uses supplier finance programs to make annual disclosures about the program's key terms, the balance sheet presentation of related amounts, the confirmed amount outstanding at the end of the period, and associated rollforward information. Only the amount outstanding at the end of the period must be disclosed in interim periods. The Company adopted the new disclosures, other than the rollforward disclosure, as required at the beginning of fiscal 2024. The rollforward disclosure will be adopted as required in fiscal 2025. Amounts outstanding related to supply chain financing ("SCF") programs are included in accounts payable in the consolidated statements of financial position. Accounts payable included in the SCF programs were approximately \$733A million and \$703A million as of December 31, 2024 and September 30, 2024, respectively. Recently Issued Accounting Pronouncements In November 2024, the FASB issued ASU 2024-03, "Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses," which is intended to enhance transparency into the nature and function of expenses. The amendments require that on an annual and interim basis, entities disclose disaggregated operating expense information about specific categories, including purchases of inventory, employee compensation, depreciation, amortization and depletion. The Company expects to adopt the new annual disclosures as required for fiscal 2028 and the interim disclosures as required beginning with the first quarter of fiscal 2029. In December 2023, the FASB issued ASU 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which is intended to enhance the transparency about income tax information through improvements to income tax disclosures primarily related to the rate reconciliation and income taxes paid information. The amendments require that on an annual basis, entities disclose specific categories in the rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, the amendments require that entities disclose additional information about income taxes paid as well as additional disclosures of pretax income and income tax expense, and remove the requirement to disclose certain items that are no longer considered cost beneficial or relevant. The Company expects to adopt the new annual disclosures as required for fiscal 2026. In November 2023, the FASB issued ASU 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," which is intended to improve reportable segment disclosures, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment and contain other disclosure requirements. The Company expects to adopt the new annual disclosures as required for fiscal 2025 and the interim disclosures as required beginning with the first quarter of fiscal 2026. Other recently issued accounting pronouncements are not expected to have a material impact on the Company's consolidated financial statements. X - ReferencesNo definition available. + Details Name: us-gaap\_NewAccountingPronouncementsAndChangesInAccountingPrinciplesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition The entire disclosure for change in accounting principle. Includes, but is not limited to,

nature, reason, and method of adopting amendment to accounting standards or other change in accounting principle. + ReferencesReference 1:

(1,195)Balance at beginning of period9,391.1,762.4,1,227.4,4,345.16,725.4 Foreign currency translation(41)(107)(84)(81)(31)Balance at end of period9,350.4 \$1,655.4 \$1,143.4 \$4,264.4 \$16,412.4 Other intangible assets, primarily from business acquisitions, consisted of (in millions):  
December 31, 2024  
September 30, 2024  
Gross Carrying Amount Accumulated Amortization Net Gross Carrying Amount Accumulated Amortization Net  
Definite-lived intangible assets  
Technology \$1,570.0 \$ (973.0) \$ 597.0 \$ 1,592.0 \$ (955.0) \$ 637.0  
Customer relationships 2,571.1 (1,534.1) 1,037.0 2,632.4 (1,517.1) 1,115.3  
Miscellaneous 877.4 (479.3) 398.1 886.4 (480.4) 406.0 5,018.4 (2,986.2) 2,032.4 5,110.4 (2,952.2) 2,158.4  
Indefinite-lived intangible assets  
Trademarks/trade names 9,314.6 \$ 1,931.4 9,724.6 \$ 1,972.4 Total intangible assets \$ 6,949.4 \$ (2,986.2) \$ 3,963.2 \$ 7,082.4 \$ (2,952.2) \$ 4,130.4  
Amortization of other intangible assets included within continuing operations for the three months ended December 31, 2024 and 2023 was \$120.4 million and \$119.4 million, respectively. X - References  
No definition available. + Details Name: us-gaap\_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItem Type Balance Type: na  
Period Type: duration X - Definition The entire disclosure for goodwill and intangible assets. + References  
Reference 1: Period Type: duration XML 25 R15.htm IDEA: XBRL DOCUMENT v3.25.0.1 Debt and Financing Arrangements 3 Months Ended Dec. 31, 2024  
Debt Disclosure [Abstract] A Debt and Financing Arrangements DEBT AND FINANCING ARRANGEMENTS Short-term debt consisted of the following (in millions):  
December 31, 2024  
September 30, 2024  
2024  
2024  
Commercial papers \$ 309.4  
\$ 350.4  
Term loans \$ 569.4  
603.4  
Bank borrowings \$ 4.0 \$ 882.4  
\$ 953.4  
Weighted average interest rate on short-term debt outstanding 3.7% 4.8% %As of December 31, 2024, the Company had two syndicated committed revolving credit facilities, including \$2.5 billion which is scheduled to expire in December 2028 and \$500.4 million which is scheduled to expire in December 2025. There were no draws on the facilities as of December 31, 2024. In December 2024, the Company and its wholly-owned subsidiary, Tyco Fire & Security Finance S.C.A., co-issued the following unsecured, unsubordinated senior notes: \$250.4 million 4.900% Senior Notes due December 2032. These notes are a further issuance of the \$400.4 million, 4.900% Senior Notes due 2032, which were originally issued in September 2022. \$500.4 million 3.125% Senior Notes due December 2033. X - References  
No definition available. + Details Name: us-gaap\_DebtDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItem Type Balance Type: na  
Period Type: duration X - Definition The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + References  
Reference 1: Volume Outstanding as of  
Commodity  
December 31, 2024  
September 30, 2024  
Copper 2,880.4  
2,676.4  
Aluminum 2,471.4  
2,450.4  
The Company may enter into forward-starting interest rate swaps in conjunction with anticipated note issuances to manage exposure to interest rate changes. The forward-starting interest swaps are terminated when the anticipated notes are issued. As of December 31, 2023, \$600.4 million of forward-starting interest swaps were outstanding on an \$800.4 million anticipated note issuance which was subsequently terminated in fiscal 2024 once the note issuance was no longer highly likely to occur. Accumulated amounts previously recorded in AOCI were not material and were recognized as net financing charges in the consolidated statements of income when the swaps were terminated. Net Investment Hedges The Company enters into cross-currency interest rate swaps and foreign currency denominated debt obligations to selectively hedge portions of its net investment in non-U.S. subsidiaries. The currency effects of the cross-currency interest rate swaps and debt obligations are reflected in the AOCI account within shareholders' equity attributable to Johnson Controls ordinary shareholders where they offset gains and losses recorded on the Company's net investments globally. The following table summarizes net investment hedges (in billions):  
December 31, 2024  
2024  
Euro-denominated bonds designated as net investment hedges in Europe -2.9A -2.9A Yen-denominated debt designated as a net investment hedge in Japan -AY30A AY30A  
Derivatives Not Designated as Hedging Instruments The Company holds certain foreign currency forward contracts not designated as hedging instruments under ASC 815 to hedge foreign currency exposure resulting from monetary assets and liabilities denominated in nonfunctional currencies. The changes in fair value of these foreign currency forward exchange derivatives are recorded in the consolidated statements of income where they offset foreign currency transactional gains and losses on the nonfunctional currency denominated assets and liabilities being hedged. Fair Value of Derivative Instruments The following table presents the location and fair values of derivative instruments and hedging activities included in the Company's consolidated statements of financial position (in millions):  
Derivatives A and Hedging Activities A Designated as Hedging Instruments  
Derivatives A and Hedging Activities Not Designated as Hedging Instruments  
December 31, 2024  
September 30, 2024  
2024  
2024  
Foreign currency exchange derivatives \$ 42.4 \$ 19.4 \$ 1.4  
Interest rate swaps \$ 2.4 \$ 2.4 \$ 2.4  
Total assets \$ 42.4 \$ 21.4 \$ 4.4  
Total liabilities \$ 26.4 \$ 24.4 \$ 6.4  
Commodity derivatives \$ 3.1 \$ 3.1  
Long-term debt  
Foreign currency denominated debt \$ 3,186.4 \$ 3,424.4 \$ 521.4  
Total liabilities \$ 3,215.4 \$ 3,449.4 \$ 587.4  
\$ 1.4  
Counterparty Credit Risk The use of derivative financial instruments exposes the Company to counterparty credit risk. The Company has established policies and procedures to limit the potential for counterparty credit risk, including establishing limits for credit exposure and continually assessing the creditworthiness of counterparties. As a matter of practice, the Company deals with major banks worldwide having strong investment grade long-term credit ratings. To further reduce the risk of loss, the Company generally enters into International Swaps and Derivatives Association ("ISDA") master netting agreements with substantially all of its counterparties. The Company enters into ISDA master netting agreements with counterparties that permit the net settlement of amounts owed under the derivative contracts. The master netting agreements generally provide for net settlement of all outstanding contracts with a counterparty in the case of an event of default or a termination event. The Company has not elected to offset the fair value positions of the derivative contracts recorded in the consolidated statements of financial position. The Company's derivative contracts do not contain any credit risk related contingent features and do not require collateral or other security to be furnished by the Company or the counterparties. The Company's exposure to credit risk associated with its derivative instruments is measured on an individual counterparty basis, as well as by groups of counterparties that share similar attributes. The Company does not anticipate any non-performance by any of its counterparties, and the concentration of risk with financial institutions does not present significant credit risk to the Company. The gross and net amounts of derivative assets and liabilities were as follows (in millions):  
Fair Value of Assets  
Fair Value of Liabilities  
December 31, 2024  
September 30, 2024  
December 31, 2024  
2024  
Gross amount recognized \$ 42.4 \$ 22.4 \$ 3,802.4 \$ 3,450.4  
Gross amount eligible for offsetting (14)(12)(14)(12)  
Net amounts \$ 28.4 \$ 10.4 \$ 3,788.4 \$ 3,438.4  
Derivatives Impact on the Statements of Income and Statements of Comprehensive Income The following table presents the pre-tax gains (losses) recorded in other comprehensive income (loss) related to cash flow hedges (in millions):  
A A A Derivatives in Cash Flow A Hedging Relationships  
Three Months Ended December 31, 2024  
2023  
Foreign currency exchange derivatives \$ 17.4 \$ (13.0)  
Commodity derivatives (3) 1  
Interest rate swaps \$ 4.4 (35)  
Total \$ 14.4 \$ (47)  
The following table presents the location and amount of the pre-tax gains (losses) on cash flow hedges reclassified from AOCI into the Company's consolidated statements of income (in millions):  
Derivatives in Cash Flow Hedging Relationships  
Location of Gain (Loss) Reclassified from AOCI into Income  
Three Months Ended December 31, 2024  
2023  
Foreign currency exchange derivatives  
Cost of sales \$ 1.4 (\$ 1.0)  
Commodity derivatives  
Cost of sales \$ 4.4 (3)  
Total \$ 1.4 (\$ 4)  
The following table presents the location and amount of pre-tax gains (losses) on derivatives not designated as hedging instruments recognized in the Company's consolidated statements of income (in millions):  
Derivatives Not Designated as Hedging Instruments  
Location of Gain (Loss) Recognized in Income on Derivative  
Three Months Ended December 31, 2024  
2023  
Foreign currency exchange derivatives  
Cost of sales (7) (5)  
Foreign currency exchange derivatives  
SG&A (2) (2)  
Foreign currency exchange derivatives  
Net financing charges (14) (43)  
Total \$ (15) \$ (48)  
The following table presents pre-tax gains on net investment hedges recorded as foreign currency translation adjustments ("CTA") within other comprehensive income (loss) (in millions):  
Three Months Ended December 31, 2024  
2023  
Net investment hedges \$ 2.3  
\$ 1.4  
5  
No gains or losses were reclassified from CTA into income during the three months ended December 31, 2024 and 2023. X - References  
No definition available. + Details Name: us-gaap\_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItem Type Balance Type: na  
Period Type: duration X - Definition The entire disclosure for derivative instruments and hedging activities including, but not limited to, risk management strategies, non-hedging derivative instruments, assets, liabilities, revenue and expenses, and methodologies and assumptions used in determining the amounts. + References  
Reference 1: Level 1: Observable inputs such as quoted prices in active markets for identical assets or liabilities;  
Level 2: Quoted prices in active markets for similar assets or liabilities, quoted prices for identical or similar assets or liabilities in markets that are not active, or inputs, other than quoted prices in active markets, that are observable either directly or indirectly;

andLevel 3: Unobservable inputs where there is little or no market data, which requires the reporting entity to develop its own assumptions.ASC 820 requires the use of observable market data, when available, in making fair value measurements. When inputs used to measure fair value fall within different levels of the hierarchy, the level within which the fair value measurement is categorized is based on the lowest level input that is significant to the fair value measurement.Recurring Fair Value MeasurementsThe following tables present the Company's fair value hierarchy for those assets and liabilities measured at fair value (in millions):Fair Value Measurements Using:À Total as of December 31, 2024QuotedÀ Prices in Active Markets (Level 1)SignificantOtherObservableInputs (Level 2)SignificantUnobservableInputs (Level 3)Other current assetsForeign currency exchange derivatives\$42A \$ÀÀ \$42A \$ÀÀ Other noncurrent assetsDeferred compensation plan assets\$7A \$7A \$ÀÀ \$ÀÀ Exchange traded funds (fixed income)(1) 76A 76A \$ÀÀ \$ÀÀ Exchange traded funds (equity)(1) 201A 201A \$ÀÀ \$ÀÀ Total assets\$376A \$334A \$42A \$ÀÀ Other current liabilitiesForeign currency exchange derivatives\$92A \$ÀÀ \$92A \$ÀÀ Commodity derivatives3A \$ÀÀ 3A \$ÀÀ Contingent earn-out liabilities13A \$ÀÀ \$ÀÀ 13A Other noncurrent liabilitiesContingent earn-out liabilities14A \$ÀÀ \$ÀÀ 14A Total liabilities\$122A \$ÀÀ \$95A \$27A (1) Classified as restricted investments for payment of asbestos liabilities. See Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further details.Air Value Measurements Using:À Total as of September 30, 2024QuotedÀ Prices in Active Markets (Level 1)SignificantOtherObservableInputs (Level 2)SignificantUnobservableInputs (Level 3)Other current assetsForeign currency exchange derivatives\$20A \$ÀÀ \$20A \$ÀÀ Commodity derivatives2A \$ÀÀ 2A \$ÀÀ Other noncurrent assetsDeferred compensation plan assets\$56A 56A \$ÀÀ \$ÀÀ Exchange traded funds (fixed income)(1) 81A 81A \$ÀÀ \$ÀÀ Exchange traded funds (equity)(1) 200A 200A \$ÀÀ \$ÀÀ Total assets\$359A \$337A \$22A \$ÀÀ Other current liabilitiesForeign currency exchange derivatives\$25A \$ÀÀ \$25A \$ÀÀ Commodity derivatives1A \$ÀÀ 1A \$ÀÀ Contingent earn-out liabilities14A \$ÀÀ \$ÀÀ 14A Total liabilities\$54A \$ÀÀ \$26A \$28A (1) Classified as restricted investments for payment of asbestos liabilities. See Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further details.Valuation MethodsCommodity derivatives: The commodity derivatives are valued under a market approach using publicized prices, where available, or dealer quotes. Contingent earn-out liabilities: The contingent earn-out liabilities were established using a Monte Carlo simulation based on the forecasted operating results and the earn-out formula specified in the purchase agreements. Deferred compensation plan assets: Assets held in the deferred compensation plans will be used to pay benefits under certain of the Company's non-qualified deferred compensation plans. The investments primarily consist of mutual funds which are publicly traded on stock exchanges and are valued using a market approach based on the quoted market prices. Unrealized gains (losses) on the deferred compensation plan assets are recognized in the consolidated statements of income where they offset unrealized gains and losses on the related deferred compensation plan liability. Exchange traded funds: Investments in exchange traded funds are valued using a market approach based on quoted market prices, where available, or broker/dealer quotes of identical or comparable instruments. Refer to Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further information.Foreign currency exchange derivatives: The foreign currency exchange derivatives are valued under a market approach using publicized spot and forward prices. The following table presents the portion of unrealized gains (losses) recognized in the consolidated statements of income that relate to equity securities still held at December 31, 2024 and 2023 (in millions):Three Months Ended December 31, 20242023À Deferred compensation plan assets\$(1)84A À Investments in exchange traded funds(1)22A The fair values of cash and cash equivalents, accounts receivable, short-term debt and accounts payable approximate their carrying values.The fair value of long-term debt at December 31, 2024 and September 30, 2024 was as follows (in billions):December 31, 20242024À Public debt\$8.4À \$8.1À Other long-term debt0.2À 0.2À Total fair value of long-term debt\$8.6À \$8.3À The fair value of public debt was determined primarily using market quotes which are classified as Level 1 inputs within the ASC 820 fair value hierarchy. The fair value of other long-term debt was determined using quoted market prices for similar instruments and are classified as Level 2 inputs within the ASC 820 fair value hierarchy. X - ReferencesNo definition available. + Details Name: us-gaap\_FairValueDisclosuresAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 107-Publisher FASB-URI> <https://asc.fasb.org/1943274/2147482078/820-10-55-107Reference 2: http://www.xbrl.org/2003/role/exampleRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 100-Publisher FASB-URI> [https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(c\)3-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (c)3-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph \(a\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph (a)-Publisher FASB-URI) <https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 5: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2E-Publisher FASB-URI> [https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph \(h\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph (h)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 7: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph \(f\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 7: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph (f)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph \(e\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph (e)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 9: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph \(d\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 9: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6A-Subparagraph (d)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(h\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (h)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(g\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (g)-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef-Topic 940-SubTopic 820-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef-Topic 940-SubTopic 820-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI) [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(c\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147478119/940-820-50-1+Details Name: us-gaap_FairValueDisclosuresTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 28 R18.htm IDEA: XBRL DOCUMENT v3.25.0.1 Earnings Per Share 3 Months Ended Dec. 31, 2024 Earnings Per Share [Abstract] À Earnings Per Share EARNINGS PER SHAREThe following table reconciles the numerators and denominators used to calculate basic and diluted earnings per share (in millions):Three Months Ended December 31, 20242023Income Available to Ordinary ShareholdersIncome from continuing operations$363A $340A Income from discontinued operations$56A 34A Basic and diluted income available to shareholders$419A $374A Weighted Average Shares OutstandingBasic weighted average shares outstanding662.0À 680.7À Effect of dilutive securities:Stock options, unvested restricted stock andÀ À À À unvested performance share awards3.0À 1.7À Diluted weighted average shares outstanding665.0À 682.4À Antidilutive SecuritiesStock options and unvested restricted stock$À 0.6À X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for earnings per share. + ReferencesReference 1: <a href=) <https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 260-Name Accounting Standards Codification-Publisher FASB-URI> <https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Publisher FASB-URI> <https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Publisher FASB-URI> [http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.7-04\(19\)\)-Publisher FASB-URI](http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.7-04(19))-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph \(SX 210.5-03\(21\)\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(21))-Publisher FASB-URI) [https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.9-04\(23\)\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.9-04(23))-Publisher FASB-URI) <https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-Name Accounting Standards Codification-Publisher FASB-URI> <http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 70-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB-URI> <https://asc.fasb.org/1943274/2147480794/715-70-50-1Reference 2: http://www.xbrl.org/2003/role/exampleRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 55-Paragraph 17-Publisher FASB-URI> [https://asc.fasb.org/1943274/2147480482/715-20-55-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(d\)\(iv\)\(03\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147480482/715-20-55-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph 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[https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(l\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (l)-Publisher FASB-URI) <https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-Name Accounting Standards Codification-Publisher FASB-URI> [https://asc.fasb.org/715/tableOfContentReference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(d\)\(iii\)-Publisher FASB-URI](https://asc.fasb.org/715/tableOfContentReference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting 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<https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 20-Name Accounting Standards Codification-Section S99-Paragraph 2-Publisher FASB-URI> [https://asc.fasb.org/1943274/2147480126/715-20-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 60-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(c\)-Publisher FASB-URI](https://asc.fasb.org/1943274/2147480126/715-20-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef-Topic 715-SubTopic 60-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (c)-Publisher FASB-URI)

costs will be incurred across all segments and Corporate functions. The following table summarizes restructuring and related costs (in millions):

Period	Total	Three Months Ended December 31, 2024	Building Solutions North America	Building Solutions EMEA/LA	Building Solutions Asia Pacific	Global Products	Corporate	Total
2024	\$33A	\$33A						\$33A

The following table summarizes changes in the current restructuring reserve, which is included within other current liabilities in the consolidated statements of financial position (in millions):

Period	Employee Severance	Termination Benefits	Other	Total
December 31, 2024	\$18A	\$49A	X	References

Details Name: us-gaap RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition The entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled. + References Reference 1: [| Period | Total    | Building Solutions North America | Building Solutions EMEA/LA | Building Solutions Asia Pacific | Global Products |
|--------|----------|----------------------------------|----------------------------|---------------------------------|-----------------|
| 2024   | \\$2,444A | \\$2,487A                         |                            |                                 |                 |

EBITA Total segment EBITA 15 678A Corporate expenses 171A 139A Amortization of intangible assets 120A 119A Restructuring and impairment costs 33A 35A Water systems AFF settlement costs and insurance recoveries \(1\) \(4\)A Net mark-to-market losses \(gains\) 1A \(22\) Net financing charges 86A 87A Income before income taxes 408A 320A \(1\) Refer to Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further disclosure related to the water systems AFF settlement. X - References No definition available. + Details Name: us-gaap SegmentReportingDisclosureOfEntityReportableSegmentsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition The entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a\) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b\) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1\) the combined reported profit of all operating segments that did not report a loss or 2\) the combined reported loss of all operating segments that did report a loss c\) its assets are 10 percent or more of the combined assets of all operating segments. + References Reference 1:](http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.e) -Publisher FASB -URI https://asc.fasb.org/1943274/21474823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/420/tableOfContentReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap RestructuringAndRelatedActivitiesDisclosureTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 32 R22.htm IDEA: XBRL DOCUMENT v3.25.0.1 Income Taxes 3 Months Ended Dec. 31, 2024 Income Tax Disclosure [Abstract] A Income Taxes INCOME TAXES In calculating the provision for income taxes, the Company uses an estimate of the annual effective tax rate based upon the facts and circumstances known at each interim period. On a quarterly basis, the actual effective tax rate is adjusted, as appropriate, based upon changed facts and circumstances, if any, as compared to those forecasted at the beginning of the fiscal year and each interim period thereafter. The statutory tax rate in Ireland is being used as a comparison since the Company is domiciled in Ireland. For the three months ended December 31, 2024, the Company's effective tax rate for continuing operations was 11.5% and was lower than the statutory tax rate of 12.5% primarily due to the benefits of continuing global tax planning, partially offset by tax rate differentials. For the three months ended December 31, 2023, the Company's effective tax rate for continuing operations was (6.3)% and was lower than the statutory tax rate of 12.5% primarily due to Swiss tax reform and the benefits of continuing global tax planning, partially offset by the establishment of a deferred tax liability on the outside basis difference of the Company's investment in certain consolidated subsidiaries and tax rate differentials. Uncertain Tax Positions At September 30, 2024, the Company had gross tax effected unrecognized tax benefits of $2.1 billion, of which $1.5 billion, if recognized, would impact the effective tax rate. Accrued interest, net at September 30, 2024 was approximately $398 million (net of tax benefit). Interest accrued during the three months ended December 31, 2024 and 2023 was approximately $28 million and $30 million (both net of tax benefit), respectively. The Company recognizes interest and penalties related to unrecognized tax benefits as a component of income tax expense. In the U.S., fiscal years 2019 through 2020 are currently under audit and fiscal years 2017 through 2018 are currently under appeal with the Internal Revenue Service (IRS) for certain legal entities. In addition, fiscal years 2016 through 2019 are also under exam by the IRS in relation to a separate consolidated filing group. Additionally, the Company is currently under exam in the following major non-U.S. jurisdictions for continuing operations: Tax Jurisdiction Tax Years Covered Belgium 2016 - 2017; 2019 - 2020; 2022 Germany 2007A - 2021 Mexico 2016 - 2019 United Kingdom 2014 - 2015; 2018; 2020 - 2021 It is reasonably possible that tax examinations and/or tax litigation will conclude within the next twelve months, which could have a material impact on tax expense. Based upon the circumstances surrounding these examinations, the impact is not currently quantifiable. Impacts of Tax Legislation On December 18, 2023, the president of Ireland signed into law the Finance (No. 2) Bill 2023, which included legislation regarding the implementation of the Pillar Two global minimum tax. The Pillar Two legislation is effective for the Company's fiscal year beginning October 1, 2024. The impact in the current fiscal year is not expected to be material, however, the Company is continuing to assess the future impact of the new legislation. On September 11, 2023, the Schaffhausen parliament approved a partial revision of the cantonal act on direct taxation: Immediate Minimum Taxation Measure (IMTM). On November 19, 2023, IMTM was approved in a public referendum in the canton of Schaffhausen, was published in the cantonal official gazette on December 8, 2023, and was effective starting January 1, 2024. The IMTM increased Switzerland's combined statutory income tax rate to approximately 15%. As a result, in the three months ended December 31, 2023, the Company recorded a non-cash discrete net tax benefit of $80A million due to the remeasurement of deferred tax assets and liabilities related to Switzerland and the canton of Schaffhausen. X - References No definition available. + Details Name: us-gaap IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition The entire disclosure for income tax. + References Reference 1: <a href=)

costs based on actual historical costs to repair or replace products and other known factors. The Company monitors its warranty activity and adjusts its reserve estimates when it is probable that future warranty costs will be different than those estimates. The Company's product warranty liability is recorded in the consolidated statements of financial position in other current liabilities for estimated costs to be incurred within 12 months and in other non-current liabilities for estimated costs to be incurred in more than one year. The following table summarizes changes in the total product warranty liability (in millions):

Balance at September 30, 2024	122A Accruals for warranties issued during the period	16A Settlements made during the period	(18) Changes in estimates to pre-existing warranties	(2) Currency translation	(3) Balance at December 31, 2024
\$115.4	X	References	No definition available.	+ Details Name: us-gaap_GuaranteesAbstract Namespace Prefix: us-gaap_Data Type: xbrl:stringItemType Balance Type: na Period Type: duration X - Definition: The entire disclosure for each guarantee obligation, or each group of similar guarantee obligations, including (a) the nature of the guarantee, including its term, how it arose, and the events or circumstances that would require the guarantor to perform under the guarantee; (b) the maximum potential amount of future payments (undiscounted) the guarantor could be required to make under the guarantee; (c) the current carrying amount of the liability, if any, for the guarantor's obligations under the guarantee; and (d) the nature of any recourse provisions under the guarantee, and any assets held either as collateral or by third parties, and any relevant related party disclosure. Excludes disclosures about product warranties. + References Reference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 2: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 3: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 4: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 5: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 6: <a href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4">http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4</a> Reference 7: <a "hazardous="" "npdwr")="" "rcra"):="" "stanton="" "tyco="" \$7.4="" ("anpr")="" ("cercla").="" ("epa")="" ("ftc")="" ("pfas")="" ("pfoa"),="" ("pfos"),="" ("ppt")="" (1)="" (2)="" (3)="" (commonly="" (including="" (the="" 10="" 10,="" 17,="" 2021,="" 2022,="" 2023,="" 2024="" 2024,="" 2024.<="" 30,="" 31,="" 4.0="" a="" abandonment="" accrued="" acid="" act="" actions="" addition="" addition,="" additional="" addressed="" administrator="" advanced="" adverse="" afff")="" agencies="" agency="" along="" also="" among="" amounts="" an="" and="" announced="" any="" application="" april="" are="" areas="" arsenic="" as="" assessment,="" asset="" associated="" at="" august="" be="" being="" believe="" both="" but="" by="" called="" cash="" categories="" center="" cercla:="" change="" changes="" charges="" chemicals),="" choices="" city="" claims,="" clarify="" company="" company's="" compensation="" complexity="" compounds="" comprehensive="" condition="" conditional="" conducted,="" conservation="" constituents,="" containing="" contaminant="" contaminants="" continued="" corrective="" costs="" could="" currently="" damages,="" december="" definition="" designate="" designating="" determination="" determining="" developments,="" disposal,="" diverse="" does="" drinking="" due="" each="" effect="" efforts="" enforceable="" enforcement="" entire="" environmental="" epa="" established="" estimate="" eventual="" existing="" expand="" expectations="" expected="" facilities.="" facility="" facility").="" factors="" february="" final="" financial="" fire="" flows.="" for="" future="" genx="" groundwater="" has="" have="" hazard="" hazardous="" health="" hfpo-da="" hfpo-da,="" href="http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/460/tableOfContentReference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4 + Details Name: us-gaap_GuaranteesTextBlock Namespace Prefix: us-gaap_Data Type: dt:types:textBlockItemType Balance Type: na Period Type: duration XML 35 R25.htm IDEA: XBRL DOCUMENT v3.25.0.1 Commitments and Contingencies 3 Months Ended Dec. 31, 2024 Commitments and Contingencies Disclosure [Abstract] A Commitments and Contingencies COMMITMENTS AND CONTINGENCIES Environmental Matters The Company accrues for potential environmental liabilities when it is probable a liability has been incurred and the amount of the liability is reasonably estimable. The following table presents the location and amount of reserves for environmental liabilities in the Company's consolidated statements of financial position (in millions):&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;&lt;p&gt;December 31, 2024 September 30, 2024 Other current liabilities \$28.4 \$32.4 Other noncurrent liabilities 175.4 179.4 Total reserves for environmental liabilities \$203.8 \$211.8&lt;/p&gt;&lt;p&gt;The Company periodically examines whether the contingent liabilities related to the environmental matters described below are probable and reasonably estimable based on experience and ongoing developments in those matters, including continued study and analysis of ongoing remediation obligations. The Company expects that it will pay the amounts recorded over an estimated period of up to 20 years. The Company is not able to estimate a possible loss or range of loss, if any, in excess of the established accruals for environmental liabilities at this time. A substantial portion of the Company's environmental reserves relates to ongoing long-term remediation efforts to address contamination relating to Aqueous Film Forming Foam (" identified="" in="" includes="" including="" indemnitors,="" index="" input="" investigations="" involved,="" is="" isomers,="" issued="" it="" its="" known="" l.p.="" large="" law="" legally="" lengthy="" level="" levels="" levels,="" liability="" list="" listed="" located="" manufacturing="" many="" march="" marinette="" marinette,="" material="" matters="" maximum="" may="" meet="" million="" mixtures="" more="" national="" natural="" nature="" near="" nevertheless,="" nine="" not="" notice="" npdwr="" number="" obligations="" occur.="" of="" often="" on="" one="" only="" operations="" operations,="" or="" other="" outlays,="" over="" owned="" p="" parties="" parties,="" parts="" penalties="" per="" per-="" perfluorooctane="" perfluorooctanoic="" periods="" permissible="" peshtigo,="" pfas="" pfas,="" pfas.="" pfas;="" pfba.="" pfhxs,="" pfna,="" pfoa="" pfoa,="" pfos="" pfos)="" pfos,="" pfos.="" policies,="" poly-fluoroalkyl="" position,="" possible="" potentially="" ppt="" precursors="" primary="" products="" products")="" proposed="" proposes="" protection="" published="" quite="" recover="" recovery="" regulate="" regulated="" regulation="" regulations,="" regulatory="" relating="" relative="" released="" remediation="" removal="" researchers.="" resource="" respect="" response,="" responsible="" results="" retirement="" retirement,="" risk="" rule="" rulemaking="" rules="" salts="" scope="" second="" seeking="" september="" seven="" should="" signed="" sites="" sites,="" six="" soil,="" sources,="" specific="" stanton="" statutory="" street="" structural="" studied="" studies="" substances="" substances"="" substances.="" such="" sulfonate="" surrounding="" technological,="" technologies="" technology="" that="" the="" their="" theories="" third-party="" those="" to="" town="" trillion="" two="" tyco="" u.s.="" ultimate="" uncertainty="" under="" used="" various="" viability="" waste="" waste.="" water="" water.="" well="" were="" whether="" which="" will="" wisconsin="" wisconsin,="" with="" would=""><p><b>FTC-Related Matters</b></p><p>The use of fire-fighting foams at the FTC was primarily for training and testing purposes to ensure that such products sold by the Company's affiliates, Chemguard, Inc. ("Chemguard") and Tyco Fire Products, were effective at suppressing high intensity fires that may occur at military installations, airports or elsewhere. During the three months ended June 30, 2024, Tyco Fire Products completed its previously announced plan to discontinue the production and sale of fluorinated firefighting foams, including AFFF products, and has transitioned to non-fluorinated foam alternatives. Tyco Fire Products has been engaged in remediation activities at the Stanton Street Facility since 1990. Its corporate predecessor, Ansil Incorporated (the "Ansil"), manufactured arsenic-based agricultural herbicides at the Stanton Street Facility, which resulted in significant arsenic contamination of soil and groundwater on the site and in parts of the adjoining Menominee River. In 2009, Ansil entered into an Administrative Consent Order (the "Consent Order") with the EPA to address the presence of arsenic at the site. Under this agreement, Tyco Fire Products' principal obligations are to contain the arsenic contamination on the site, pump and treat on-site groundwater, dredge, treat and properly dispose of contaminated sediments in the adjoining river areas, and monitor contamination levels on an ongoing basis. Activities completed under the Consent Order since 2009 include the installation of a subsurface barrier wall around the facility to contain contaminated groundwater, the installation and ongoing operation and monitoring of a groundwater extraction and treatment system and the dredging and offsite disposal of treated river sediment. In addition to ongoing remediation activities, the Company is also working with the Wisconsin Department of Natural Resources ("WDNR") to investigate and remediate the presence of PFAS at or near the Stanton Street Facility as part of the evaluation and remediation of PFAS in the Marinette region. Tyco Fire Products is operating and monitoring at the FTC a Groundwater Extraction and Treatment System ("GETS"), a permanent groundwater remediation system that extracts groundwater containing PFAS, treats it using advanced filtration systems, and returns the treated water to the environment. Tyco Fire Products has also completed the removal and disposal of PFAS-affected soil from the FTC. The Company's reserves for continued remediation of the FTC, the Stanton Street Facility and surrounding areas in Marinette and Peshtigo are based on estimates of costs associated with the long-term remediation actions, including the continued operation of the GETS, the implementation of long-term drinking water solutions for the area impacted by groundwater migrating from the FTC, continued monitoring and testing of groundwater monitoring wells, the operation and wind-down of other legacy remediation and treatment systems and the completion of ongoing investigation obligations.</p><p><b>FTC-Related Litigation</b></p><p>On June 21, 2019, the WDNR announced that it had received from the Wisconsin Department of Health Services (the "WDHS") a recommendation for groundwater quality standards as to, among other compounds, PFOA and PFOS. The WDHS recommended a groundwater enforcement standard for PFOA and PFOS of 20 parts per trillion. Although Wisconsin approved final regulatory standards for PFOA and PFOS in drinking water and surface water in February 2022, the Wisconsin Natural Resources Board did not approve WDNR's proposed standards for PFOA and PFOS in groundwater. In August 2024, WDNR issued a new proposed rule to adopt the EPA Maximum Contaminant Levels for PFAS in drinking water. The WDNR initiated a rulemaking proceeding that would establish groundwater quality standards for PFOA, PFOS, perfluorobutane sulfonic acid and its potassium salt (the "PFBSs") and hexafluoropropylene oxide dimer acid and its ammonium salt (the "HFPO-DA"). Pursuant to state law, the WDNR has stopped work on the proposed rule and notified the state legislature that, following economic analysis, the proposed costs would exceed statutory thresholds. As a result, the state legislature is required to authorize the WDNR to allow the rulemaking to continue. In July 2019, the Company received a letter from the WDNR directing the expansion of the evaluation of PFAS in the Marinette region to include (1) biosolids sludge produced by the City of Marinette Waste Water Treatment Plant and spread on certain fields in the area and (2) the Menominee and Peshtigo Rivers. On October 16, 2019, the WDNR issued a Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. regarding the WDNR's July 2019 letter. The WDNR issued a further letter regarding the issue on November 4, 2019. In February 2020, the WDNR sent a letter to Tyco Fire Products and Johnson Controls, Inc. further directing the expansion of the evaluation of PFAS in the Marinette region to include investigation activities south and west of the previously defined FTC study area. In September 2021, the WDNR sent an additional Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. concerning land-applied biosolids, which reviewed and responded to the Company's biosolids investigation conducted to that date. On April 10, 2023, the WDNR issued a third Notice of Noncompliance to Tyco Fire Products and Johnson Controls, Inc. concerning land-applied biosolids in the Marinette region. Tyco Fire Products and Johnson Controls, Inc. believe that they have complied with all applicable environmental laws and regulations. The Company cannot predict what regulatory or enforcement actions, if any, might result from the WDNR's actions, or the consequences of any such actions, including the potential assessment of penalties. In March 2022, the Wisconsin Department of Justice (the "WDOJ") filed a civil enforcement action against Johnson Controls Inc. and Tyco Fire Products in Wisconsin state court relating to environmental matters at the FTC (State of Wisconsin v. Tyco Fire Products, LP and Johnson Controls, Inc., Case No. 22-CX-1 (filed March 14, 2022 in Circuit Court in Marinette County, Wisconsin)). The WDOJ alleges that the Company failed to timely report the presence of PFAS chemicals at the FTC, and that the Company has not sufficiently investigated or remediated PFAS at or near the FTC. The WDOJ seeks monetary penalties and an injunction ordering these two subsidiaries to complete a site investigation and cleanup of PFAS contamination in accordance with the WDNR's requests. The parties are engaged in summary judgment and pretrial motions. The Court has continued the trial previously scheduled for March 3, 2025 and has not yet set a new trial date. In October 2022, the Town of Peshtigo filed a tort action in Wisconsin state court against Tyco Fire Products, Johnson Controls Inc., Chemguard, Inc., and ChemDesign, Inc. relating to environmental matters at the FTC (Town of Peshtigo v. Tyco Fire Products L.P. et al., Case No. 2022CV000234 (filed October 18, 2022 in Circuit Court in Marinette County, Wisconsin)). The Town alleges that use of AFFF products at the FTC caused contamination of water supplies in Peshtigo. The Town seeks monetary penalties and an injunction ordering abatement of PFAS contamination in Peshtigo. The case has been removed to federal court and transferred to a multi-district litigation ("MDL") before the United States District Court for the District of South Carolina. In November 2022, individuals filed six actions in Dane County, Wisconsin alleging personal injury and/or property damage against Tyco Fire Products, Johnson Controls Inc., Chemguard, and other unaffiliated defendants related to environmental matters at the FTC. Plaintiffs allege that use of AFFF products at the FTC and activities by third parties unrelated to the Company contaminated nearby drinking water sources, surface waters, and other natural resources and properties, including their personal properties. The individuals seek monetary damages for their personal injury and/or property damage. These lawsuits have been transferred to the MDL. Subsequently, several additional plaintiffs have direct-filed in the MDL complaints with similar allegations. The Company is vigorously defending each of these cases and believes that it has meritorious defenses, but it is presently unable to predict the duration, scope, or outcome of these actions.</p><p><b>Aqueous Film-Forming Foam ("AFFF") Matters</b></p><p>AFFF Litigation Two of the Company's subsidiaries, Chemguard and Tyco Fire Products, have been named, along with other defendant manufacturers, suppliers and distributors, and, in some cases, certain subsidiaries of the Company affiliated with Chemguard and Tyco Fire Products, in a number of class action and other lawsuits relating to the use of fire-fighting foam products by the U.S. Department of Defense (the "DOD") and others for fire suppression purposes and related training exercises. Plaintiffs generally allege that the firefighting foam products contain or break down into the chemicals PFOS and PFOA and/or other PFAS compounds and that the use of these products by others at various airbases, airports and other sites resulted in the release of these chemicals into the environment and ultimately into communities' drinking water supplies neighboring those airports, airbases and other sites. Plaintiffs generally seek compensatory damages, including damages for alleged personal injuries, medical monitoring, diminution in property values, investigation and remediation costs, and natural resources damages, and also seek punitive damages and injunctive relief to address remediation of the alleged contamination. In September 2018, Tyco Fire Products and Chemguard filed a Petition for Multidistrict Litigation with the United States Judicial Panel on Multidistrict Litigation (the "JPML") seeking to consolidate all existing and future federal cases into one jurisdiction. On December 7, 2018, the JPML issued an order transferring various AFFF cases to the MDL. Additional cases have been identified for transfer to or are being directly filed in the MDL. AFFF Municipal and Water Provider Cases Chemguard and Tyco Fire Products have been named as defendants in more than 980 cases in federal and state courts involving municipal or water provider plaintiffs that were filed in state or federal courts originating from 35 states and territories. The vast majority of these cases have been transferred to or were directly filed in the MDL, and it is anticipated that the remaining cases will be transferred to the MDL. These municipal and water provider plaintiffs generally allege that the use of the defendants' fire-fighting foam products at fire training academies, municipal airports, Air National Guard bases, or Navy or Air Force bases released PFOS and PFOA into public water supply wells and/or other public products, allegedly requiring remediation. Tyco Fire Products and Chemguard are also periodically notified by other municipal entities that those entities may assert claims regarding PFOS and/or PFOA contamination allegedly resulting from the use of AFFF. Water Systems AFFF Settlement Agreement On April 12, 2024, Tyco Fire Products agreed to a settlement with a nationwide class of public water systems that detected PFAS in their drinking water systems that they allege to be associated with the use of AFFF. Under the terms of the agreement, Tyco Fire Products agreed to contribute \$750.4 million to resolve these PFAS claims. The settlement releases these claims against Tyco Fire Products, Chemguard, and other related corporate entities. On November 22, 2024, the Court entered final approval of the settlement agreement. In accordance with the terms of the settlement agreement, Tyco Fire Products made its final required payment of \$415.4 million in December 2024 and has now paid the full settlement amount. The class of public water systems included in this settlement broadly includes any public water system (as defined in the settlement agreement) that has detected PFAS in its drinking water sources as of May 15, 2024. The following systems are excluded from the settlement class: water systems owned and operated by a State or the United States government; systems that have not detected the presence of PFAS as of May 15, 2024; small transient water systems; privately-owned drinking water wells; and the water system in the city of Marinette, Wisconsin (which is included only if it so requests). The settlement does not resolve claims of public water systems that</p></a>	

request exclusion from the class (âfirst outâ) pursuant to the process to be established by the MDL court. It also does not resolve potential future claims of public water systems that detect PFAS in their water systems for the first time after May 15, 2024, or certain claims not related to drinking water, such as separate alleged claims relating to real property damage or stormwater or wastewater treatment. Finally, this settlement does not affect the other categories of cases that remain at issue in the MDL, such as personal injury cases, property damage cases, other types of class actions, claims brought by state or territory attorneys general, or other types of damages alleged to be related to the historic use of AFFF manufactured and sold by Tyco Fire Products and Chemguard. While it is reasonably possible that the excluded systems or claims could result in additional future lawsuits, claims, assessments or proceedings, it is not possible to predict the outcome of any such matters, and as such, the Company is unable to develop an estimate of a possible loss or range of losses, if any, at this time. The settlement does not constitute an admission of liability or wrongdoing by Tyco Fire Products or Chemguard. AFFF Putative Class Actions Chemguard and Tyco Fire Products are named in 45 pending putative class actions in federal courts originating from 18 states and territories. All of these cases have been direct-filed in or transferred to the MDL. In addition, six proposed class actions were filed in Canada (British Columbia, Manitoba, Quebec and Ontario) in the past year, which name Tyco Fire Products and other manufacturers as defendants, on behalf of various classes of members (including individuals and government entities) who seek to recover for remediation (past and future) costs, claim property or other environmental damages, or claim personal injuries or other harms arising from alleged exposure to or contamination with PFAS or PFAS-containing products (including AFFF). AFFF Individual or Mass Actions There are more than 8,800 individual or âclassâ actions pending that were filed in state or federal courts originating from 52 states and territories against Chemguard and Tyco Fire Products and other defendants in which the plaintiffs generally seek compensatory damages, including damages for alleged personal injuries, medical monitoring, and alleged diminution in property values. The cases involve plaintiffs from various states including approximately 7,000 plaintiffs in Colorado and more than 8,800 other plaintiffs. The vast majority of these matters have been tagged for transfer to, transferred to, or directly-filed in the MDL, and it is anticipated that several newly-filed state court actions will be similarly tagged and transferred. There are several matters that are proceeding in state courts, including actions in Arizona, Illinois and Wisconsin. Tyco and Chemguard are also periodically notified by other individuals that they may assert claims regarding PFOS and/or PFOA contamination allegedly resulting from the use of AFFF. AFFF State or U.S. Territory Attorneys General Litigation In June 2018, the State of New York filed a lawsuit in New York state court (State of New York v. The 3M Company et al No. 904029-18 (N.Y. Sup. Ct., Albany County)) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at locations across New York, including Stewart Air National Guard Base in Newburgh and Gabreski Air National Guard Base in Southampton, Plattsburgh Air Force Base in Plattsburgh, Griffiss Air Force Base in Rome, and unspecified âotherâ sites throughout the State. The lawsuit seeks to recover costs and natural resource damages associated with contamination at these sites. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In February 2019, the State of New York filed a second lawsuit in New York state court (State of New York v. The 3M Company et al (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In July 2019, the State of New York filed a third lawsuit in New York state court (State of New York v. The 3M Company et al (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In November 2019, the State of New York filed a fourth lawsuit in New York state court (State of New York v. The 3M Company et al (N.Y. Sup. Ct., Albany County)), against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to federal court and transferred to the MDL. In April 2021, the State of Alaska filed a lawsuit in the superior court of the State of Alaska against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the Stateâs land and natural resources allegedly resulting from the use of firefighting foams at various locations throughout the State. The Stateâs case has been removed to federal court and transferred to the MDL. The State of Alaska has also named a number of manufacturers and other defendants, including affiliates of the Company, as third-party defendants in two cases brought by individuals against the State. These two cases have also been transferred to the MDL. In early November 2021, the Attorney General of the State of North Carolina filed four individual lawsuits in the superior courts of the State of North Carolina against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the Stateâs land, natural resources, and property allegedly resulting from the use of firefighting foams at four separate locations throughout the State. These four cases have been removed to federal court and transferred to the MDL. In October 2022, the Attorney General filed two similar lawsuits in the superior courts of the State of North Carolina regarding alleged PFAS damages at two additional locations. These two cases have also been removed to federal court and transferred to the MDL. In addition, 33 other states and territories have filed 35 lawsuits against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFAS damage of each of those State's environmental and natural resources allegedly resulting from the manufacture, storage, sale, distribution, marketing, and use of PFAS-containing AFFF within each respective State. The states and territories are: Arkansas, Arizona, California, Colorado, Connecticut, Delaware, the District of Columbia, Florida, Hawaii, Illinois, Indiana, Kentucky, Massachusetts, Maryland, Maine, Michigan, Mississippi, New Hampshire, New Jersey, New Mexico, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Washington, Wisconsin, Guam, the Northern Mariana Islands, and Puerto Rico. All of these complaints, if not filed directly in the MDL, have been removed to federal court and transferred to the MDL. Other AFFF Related Matters In March 2020, the Kalispel Tribe of Indians (a federally recognized Tribe) and two tribal corporations filed a lawsuit in the United States District Court for the Eastern District of Washington against a number of manufacturers, including affiliates of the Company, and the United States with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF by the United States Air Force at and around Fairchild Air Force Base in eastern Washington. This case has been transferred to the MDL. In October 2022, the Red Cliff Band of Lake Superior Chippewa Indians (a federally recognized tribe) filed a lawsuit in the United States District Court for the Western District of Wisconsin against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota. This complaint has been transferred to the MDL. In July 2023, the Fond du Lac Band of Lake Superior Chippewa (a federally recognized tribe) direct-filed a lawsuit in the MDL against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota. The Company is vigorously defending all of the above AFFF matters and believes that it has meritorious defenses to class certification and the claims asserted, including statutes of limitations, the government contractor defense, various medical and scientific defenses, and other factual and legal defenses. The Company has a historical general liability insurance program and is pursuing coverage under the program from various insurers through insurance claims discussions and litigation pending in a state court in Wisconsin and a federal district court in South Carolina. The insurance litigation involves numerous factual and legal issues. There are numerous factual and legal issues to be resolved in connection with these claims. The Company is presently unable to predict the outcome or ultimate financial exposure beyond the water systems AFFF settlement discussed above, if any, represented by these matters, and there can be no assurance that any such exposure will not be material. Asbestos Matters The Company and certain of its subsidiaries, along with numerous other third parties, are named as defendants in personal injury lawsuits based on alleged exposure to asbestos containing materials. These cases have typically involved product liability claims based primarily on allegations of manufacture, sale or distribution of industrial products that either contained asbestos or were used with asbestos containing components. The following table presents the location and amount of asbestos-related assets and liabilities in the Company's consolidated statements of financial position (in millions):

	December 31, 2024	September 30, 2024	Other current liabilities	\$58A	\$58A	Other noncurrent liabilities	\$34A	\$30A							
Total asbestos-related liabilities	402A	408A	Other current assets	15A	14A	Other noncurrent assets	315A	320A							
Total asbestos-related assets	330A	334A	Net asbestos-related liabilities	\$72A	\$74A	The following table presents the components of asbestos-related assets (in millions):	December 31, 2024	September 30, 2024							
Restricted Cash	\$7A	\$6A	Investments	\$277A	\$281A	Total restricted assets	\$284A	\$287A							
Insurance receivables for asbestos-related liabilities and insurance-related assets	based on the Company's strategies for resolving its asbestos claims, currently available information, and a number of estimates and assumptions. Key variables and assumptions include the number and type of new claims that are filed each year, the average cost of resolution of claims, the identity of defendants, the resolution of coverage issues with insurance carriers, amount of insurance, and the solvency risk with respect to the Company's insurance carriers. Other factors that may affect the Company's liability and cash payments for asbestos-related matters include uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, reforms of state or federal tort legislation and the applicability of insurance policies among subsidiaries. As a result, actual liabilities or insurance recoveries could be significantly higher or lower than those recorded if assumptions used in the Company's calculations vary significantly from actual results. Self-Insured Liabilities The Company records liabilities for its workers' compensation, product, general and auto liabilities. The determination of these liabilities and related expenses is dependent on claims experience. For most of these liabilities, claims incurred but not yet reported are estimated by utilizing actuarial valuations based upon historical claims experience. The Company maintains captive insurance companies to manage a portion of its insurable liabilities. The following table presents the location and amount of self-insured liabilities in the Company's consolidated statements of financial position (in millions):	December 31, 2024	September 30, 2024	Other current liabilities	\$98A	\$92A	Accrued compensation and benefits	\$20A	\$20A	Other noncurrent liabilities	\$247A	\$239A	Total self-insured liabilities	\$365A	\$351A
Total self-insured liabilities	\$365A	\$351A	The following table presents the location and amount of insurance receivables in the Company's consolidated statements of financial position (in millions):	December 31, 2024	September 30, 2024	Other current assets	\$5A	\$5A	Other noncurrent assets	\$13A	\$13A	Total insurance receivables	\$18A	\$18A	
Total insurance receivables	\$18A	\$18A	Other Matters The Company is involved in various lawsuits, claims and proceedings incident to the operation of its businesses, including those pertaining to product liability, environmental, safety and health, intellectual property, employment, commercial and contractual matters, and various other casualty matters. Although the outcome of litigation cannot be predicted with certainty and some lawsuits, claims or proceedings may be disposed of unfavorably to the Company, it is managementâs opinion that none of these will have a material adverse effect on the Companyâs financial position, results of operations or cash flows. Costs related to such matters were not material to the periods presented. X - References No definition available. + Details Name: us-gaap CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition The entire disclosure for commitments and contingencies. + References Reference 1: <a href="http://www.xbrl.org/2009/role/commonPracticeRef-Topic 405-SubTopic 30-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/405-30/tableOfContentReference">http://www.xbrl.org/2009/role/commonPracticeRef-Topic 405-SubTopic 30-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/405-30/tableOfContentReference</a> 2: <a href="http://www.xbrl.org/2003/role/disclosureRef-Topic 440-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/450/tableOfContentReference">http://www.xbrl.org/2003/role/disclosureRef-Topic 440-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/450/tableOfContentReference</a> 4:												

Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.9-40(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap\_NetIncomeLoss Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 37 R27.htm IDEA: XBRL DOCUMENT v3.25.0.1 Insider Trading Arrangements 3 Months Ended Dec. 31, 2024 Trading Arrangements, by Individual A Rule 10b5-1 Arrangement Adopted false Non-Rule 10b5-1 Arrangement Adopted false Rule 10b5-1 Arrangement Terminated false Non-Rule 10b5-1 Arrangement Terminated false X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd\_NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd\_Rule10b51ArrAdoptedFlag Namespace Prefix: ecd Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd\_TradingArrByIndTable Namespace Prefix: ecd Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 38 R28.htm IDEA: XBRL DOCUMENT v3.25.0.1 Basis of Presentation (Policies) 3 Months Ended Dec. 31, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Principles of Consolidation Principles of ConsolidationThe consolidated financial statements include the consolidated accounts of Johnson Controls International plc and its subsidiaries that are consolidated in conformity with U.S. GAAP. The results of companies acquired or disposed of during the reporting period are included in the consolidated financial statements from the effective date of acquisition or up to the date of disposal. Investments in partially-owned affiliates are accounted for by the equity method when the Company exercises significant influence, which typically occurs when its ownership interest exceeds 20%, and the Company does not have a controlling interest. The Company consolidates variable interest entities ("VIE") when it has the power to direct the significant activities of the entity and the obligation to absorb losses or receive benefits from the entity that may be significant. The Company did not have any material consolidated or nonconsolidated VIE's for the presented reporting periods. Recently Adopted and Recently Issued Accounting Pronouncements Recently Adopted Accounting PronouncementsIn September 2022, the FASB issued ASU 2022-04, "Disclosure of Supplier Finance Program Obligations," which is intended to enhance the transparency surrounding the use of supplier finance programs. Supplier finance programs may also be referred to as reverse factoring, payables finance, or structured payables arrangements. The amendments require a buyer that uses supplier finance programs to make annual disclosures about the program's key terms, the balance sheet presentation of related amounts, the confirmed amount outstanding at the end of the period, and associated rollforward information. Only the amount outstanding at the end of the period must be disclosed in interim periods. The Company adopted the new disclosures, other than the rollforward disclosure, as required at the beginning of fiscal 2024. The rollforward disclosure will be adopted as required in fiscal 2025. Amounts outstanding related to supply chain financing ("SCF") programs are included in accounts payable in the consolidated statements of financial position. Accounts payable included in the SCF programs were approximately \$733A million and \$703A million as of December 31, 2024 and September 30, 2024, respectively. Recently Issued Accounting PronouncementsIn November 2024, the FASB issued ASU 2024-03, "Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses," which is intended to enhance transparency into the nature and function of expenses. The amendments require that on an annual and interim basis, entities disclose disaggregated operating expense information about specific categories, including purchases of inventory, employee compensation, depreciation, amortization and depletion. The Company expects to adopt the new annual disclosures as required for fiscal 2028 and the interim disclosures as required beginning with the first quarter of fiscal 2029. In December 2023, the FASB issued ASU 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which is intended to enhance the transparency about income tax information through improvements to income tax disclosures primarily related to the rate reconciliation and income taxes paid information. The amendments require that on an annual basis, entities disclose specific categories in the rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, the amendments require that entities disclose additional information about income taxes paid as well as additional disclosures of pretax income and income tax expense, and remove the requirement to disclose certain items that are no longer considered cost beneficial or relevant. The Company expects to adopt the new annual disclosures as required for fiscal 2026. In November 2023, the FASB issued ASU 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," which is intended to improve reportable segment disclosures, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment and contain other disclosure requirements. The Company expects to adopt the new annual disclosures as required for fiscal 2025 and the interim disclosures as required beginning with the first quarter of fiscal 2026. Other recently issued accounting pronouncements are not expected to have a material impact on the Company's consolidated financial statements. Revenue Recognition Contract BalancesContract assets relate to the Company's right to consideration for performance obligations satisfied but not billed. Contract liabilities relate to customer payments received in advance of satisfaction of performance obligations under the contract. Contract balances are classified as assets or liabilities on a contract-by-contract basis at the end of each reporting period. A performance obligation is a performance obligation that is a distinct good, service, or a bundle of goods and services promised in a contract. A contract's transaction price is allocated to each distinct performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. When contracts with customers require significant and complex integration, contain goods or services which are highly interdependent or interrelated, or are goods or services which significantly modify or customize other promises in the contracts and, therefore, are not distinct, then the entire contract is accounted for as a single performance obligation. For any contracts with multiple performance obligations, the contract's transaction price is allocated to each performance obligation based on the estimated relative standalone selling price of each distinct good or service in the contract. For product sales, each product sold to a customer typically represents a distinct performance obligation. Performance obligations are satisfied at a point in time or over time. The timing of satisfying the performance obligation is typically stipulated by the terms of the contract. As of December 31, 2024, the aggregate amount of the transaction price allocated to remaining performance obligations was approximately \$20.9 billion, of which approximately 64% is expected to be recognized as revenue over the next two years. The remaining performance obligations expected to be recognized in revenue beyond two years primarily relate to large, multi-purpose construction contracts, which include services to be performed over the building's lifetime, with initial contract terms of 25 to 35 years. Future contract modifications could affect both the timing and the amount of the remaining performance obligations. The Company excludes the value of remaining performance obligations for service contracts with an original expected duration of one year or less and contracts that are cancellable without substantial penalty. Costs to Obtain or Fulfill a ContractThe Company recognizes the incremental costs incurred to obtain or fulfill a contract with a customer as an asset when these costs are recoverable. These costs consist primarily of sales commissions and design costs that relate to a contract or an anticipated contract that the Company expects to recover. Costs to obtain or fulfill a contract are capitalized and amortized over the period of contract performance. Derivative Instruments and Hedging Activities The Company holds certain foreign currency forward contracts not designated as hedging instruments under ASC 815 to hedge foreign currency exposure resulting from monetary assets and liabilities denominated in nonfunctional currencies. The changes in fair value of these foreign currency forward exchange derivatives are recorded in the consolidated statements of income where they offset foreign currency transactional gains and losses on the nonfunctional currency denominated assets and liabilities being hedged. The use of derivative financial instruments exposes the Company to counterparty credit risk. The Company has established policies and procedures to limit the potential for counterparty credit risk, including establishing limits for credit exposure and continually assessing the creditworthiness of counterparties. As a matter of practice, the Company deals with major banks worldwide having strong investment grade long-term credit ratings. To further reduce the risk of loss, the Company generally enters into International Swaps and Derivatives Association ("ISDA") master netting agreements with substantially all of its counterparties. The Company enters into ISDA master netting agreements with counterparties that permit the net settlement of amounts owed under the derivative contracts. The master netting agreements generally provide for net settlement of all outstanding contracts with a counterparty in the case of an event of default or a termination event. The Company has not elected to offset the fair value positions of the derivative contracts recorded in the consolidated statements of financial position. The Company's derivative contracts do not contain any credit risk related contingent features and do not require collateral or other security to be furnished by the Company or the counterparties. The Company's exposure to credit risk associated with its derivative instruments is measured on an individual counterparty basis, as well as by groups of counterparties that share similar attributes. The Company does not anticipate any non-performance by any of its counterparties, and the concentration of risk with financial institutions does not present significant credit risk to the Company. Fair Value Measurements ASC 820, "Fair Value Measurement," defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 also establishes a three-level fair value hierarchy that prioritizes information used in developing assumptions when pricing an asset or liability as follows: Level 1: Observable inputs such as quoted prices in active markets for identical assets or liabilities; Level 2: Quoted prices in active markets for similar assets or liabilities, quoted prices for identical or similar assets or liabilities in markets that are not active, or inputs, other than quoted prices in active markets, that are observable either directly or indirectly; and Level 3: Unobservable inputs where there is little or no market data, which requires the reporting entity to develop its own assumptions. ASC 820 requires the use of observable market data, when available, in making fair value measurements. When inputs used to measure fair value fall within different levels of the hierarchy, the level within which the fair value measurement is categorized is based on the lowest level input that is significant to the fair value measurement. Valuation MethodsCommodity derivatives: The commodity derivatives are valued under a market approach using publicized prices, where available, or dealer quotes. Contingent earn-out liabilities: The contingent earn-out liabilities were established using a Monte Carlo simulation based on the forecasted operating results and the earn-out formula specified in the purchase agreements. Deferred compensation plan assets: Assets held in the deferred compensation plans will be used to pay benefits under certain of the Company's non-qualified deferred compensation plans. The investments primarily consist of mutual funds which are publicly traded on stock exchanges and are valued using a market approach based on the quoted market prices. Unrealized gains (losses) on the deferred compensation plan assets are recognized in the consolidated statements of income where they offset unrealized gains and losses on the related deferred compensation plan liability. Exchange traded funds: Investments in exchange traded funds are valued using a market approach based on quoted market prices, where available, or broker/dealer quotes of identical or comparable instruments. Refer to Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further information. Foreign currency exchange derivatives: The foreign currency exchange derivatives are valued under a market approach using publicized spot and forward prices. The fair value of public debt was determined primarily using market quotes which are classified as Level 1 inputs within the ASC 820 fair value hierarchy. The fair value of other long-term debt was determined using quoted market prices for similar instruments and are classified as Level 2 inputs within the ASC 820 fair value hierarchy. X - DefinitionDisclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1 + Details Name: us-gaap\_ConsolidationPolicyTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for its derivative instruments and hedging activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 815 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.4-08(n)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-599-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-7 + Details Name: us-gaap\_DerivativesPolicyTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for fair value measurements of financial and non-financial

assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities. + ReferencesNo definition available. + Details Name: us-gaap FairValueMeasurementPolicyPolicyTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap OrganizationConsolidationAndPresentationOffFinancialStatementsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for revenue from contract with customer. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 2 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-17Reference 2: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-19Reference 3: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 4: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 5: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 6: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 7: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 8: http://www.xbrli.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 9: http://www.xbrli.org/2003/role/exampleRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483462/235-10-50-4Reference 10: http://www.xbrli.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap RevenueFromContractWithCustomerPolicyTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 39 R29.htm IDEA: XBRL DOCUMENT v3.25.0.1 Assets and Liabilities Held for Sale and Discontinued Operations (Tables) 3 Months Ended Dec. 31, 2024 Discontinued Operations and Disposal Groups [Abstract] A Disposal Groups, including Discontinued Operations The following table summarizes the results of the R&L HVAC business which are reported as discontinued operations (in millions):Three Months Ended December 31, 20242023Net sales\$966A \$885A Cost of goods sold731A 671A Gross profit235A 214A Selling, general and administrative expenses183A 180A Restructuring and impairment costs4A 4A Net financing charges(1)11A Equity income65A 64A Income from discontinued operations before income taxes114A 83A Provision for income taxes on discontinued operations24A 19A Income from discontinued operations, net of tax90A 64A Income from discontinued operations attributable to noncontrolling interest, net of tax34A 30A Income from discontinued operations\$56A \$34A Summary of Assets and Liabilities Held for Sale The following table summarizes the assets and liabilities of the R&L HVAC business which were classified as held for sale (in millions): December 31, 2024September 30, 2024Cash\$2A \$5A Accounts receivable - net539A 592A Inventories979A 876A Other current assets138A 122A Current assets held for sale1,658A 1,595A Property, plant and equipment - net743A 793A Goodwill1,130A 1,182A Other intangible assets - net94A 96A Investments in partially-owned affiliates833A 949A Other noncurrent assets186A 190A Noncurrent assets held for sale2,986A 3,210A Total assets classified as held for sale\$4,644A \$4,805A Accounts payable\$87A \$917A Accrued compensation and benefits99A 113A Deferred revenue112A 84A Other current liabilities 224A 317A Current liabilities held for sale1,322A 1,431A Pension and postretirement benefit obligations25A 28A Other noncurrent liabilities382A 377A Noncurrent liabilities held for sale407A 405A Total liabilities classified as held for sale\$1,729A \$1,836A X - DefinitionTabular disclosure of long lived assets held for sale. Disclosure may include the description of the facts and circumstances leading to the expected disposal, manner and timing of disposal, the carrying value of the assets held for sale, the gain (loss) recognized in the income statement and the income statement caption that includes that gain (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 3 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3 + Details Name: us-gaap DisclosureOfLongLivedAssetsHeldForSaleTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap DiscontinuedOperationsAndDisposalGroupsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 3 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-3AReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-4AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-4BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5AReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5D -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5DReference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3AReference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 13: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 205 -SubTopic 20 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-3 + Details Name: us-gaap ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 40 R30.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue Recognition (Tables) 3 Months Ended Dec. 31, 2024 Revenue from Contract with Customer [Abstract] A Disaggregation of Revenue The following tables present the Company's revenues disaggregated by segment and by Products & Systems and Services revenue (in millions):Three Months Ended December 31, 20242023Products & SystemsServicesTotalProducts & SystemsServicesTotalBuilding Solutions North America\$1,695A \$1,049A \$2,744A \$1,518A \$969A \$2,487A Building Solutions EMEA/LA\$574A 499A 1,073A 572A 466A 1,038A Building Solutions Asia Pacific\$334A 193A 527A 337A 170A 507A Global Products1,082A 82A 1,082A 1,177A 82A 1,177A Total\$3,685A \$1,741A \$5,426A \$3,604A \$1,605A \$5,209A The following table presents further disaggregation of Global Products segment revenues by product type (in millions):Three Months Ended December 31, 20242023HVAC\$468A \$533A Fire & Security\$52A 547A Industrial Refrigeration\$92A 97A Total\$1,082A \$1,177A Contract with Customer, Asset and Liability The following table presents the location and amount of contract balances in the Company's consolidated statements of financial position (in millions):Location of contract balancesDecember 31, 2024September 30, 2024Contract assets - currentAccounts receivable - net\$1,917A \$1,931A Contract assets - noncurrentOther noncurrent assets6A 11A Contract liabilities - currentDeferred revenue2,211A 2,160A Contract liabilities - noncurrentOther noncurrent liabilities253A 252A Capitalized Contract Cost The following table presents the location and amount of costs to obtain or fulfill a contract recorded in the Company's consolidated statements of financial position (in millions):December 31, 2024September 30, 2024Other current assets\$276A \$265A Other noncurrent assets284A 291A Total\$560A \$556A X - DefinitionTabular disclosure of cost capitalized in obtaining or fulfilling contract with customer. + ReferencesReference 1: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3 + Details Name: us-gaap CapitalizedContractCostTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability. + ReferencesReference 1: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap ContractWithCustomerAssetAndLiabilityTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 41 R31.htm IDEA: XBRL DOCUMENT v3.25.0.1 Inventories (Tables) 3 Months Ended Dec. 31, 2024 Inventory Disclosure [Abstract] A Inventories Inventories consisted of the following (in millions):December 31, 2024September 30, 2024Raw materials and supplies\$693A \$765A Work-in-process140A 130A Finished goods906A 879A Inventories\$1,739A \$1,774A X - ReferencesNo definition available. + Details Name: us-gaap InventoryDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-599-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-599-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-599-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 42 R32.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and Other Intangible Assets (Tables) 3 Months Ended Dec. 31, 2024 Goodwill and Intangible Assets Disclosure [Abstract] A Changes in Carrying Amount of Goodwill The following table summarizes changes in the carrying amount of goodwill in each of the Company's reportable segments (in millions):Three Months Ended December 31, 2024Building Solutions North AmericaBuilding Solutions EMEA/LABuilding Solutions Asia PacificGlobal ProductsTotalGoodwill\$10,050A (\$3,099A) \$1,227A \$4,604A Accumulated impairment loss(659)(277)82A (259)(1,195)Balance at beginning of period9,391A 1,762A 1,227A 4,345A 16,725A Foreign currency translation(41)(107)(84)(81)(313)Balance at end of period9,350A \$1,655A \$1,143A \$4,264A \$16,412A Other Intangible Assets Other intangible assets, primarily from business acquisitions, consisted of (in millions):A December 31, 2024September 30, 2024GrossCarryingAmountAccumulatedAmortizationNetGrossCarryingAmountAccumulatedAmortizationNetDefinite-lived intangible assetsTechnology\$1,570A (\$973)\$597A \$1,592A (\$955)\$637A Customer relationships2,571A (1,534)1,037A 2,632A (1,517)1,115A Miscellaneous877A (479)398A 886A (480)406A 5,018A (2,986)2,032A 5,110A (2,952)2,158A Indefinite-lived intangible assetsTrademarks/trade names1,931A 82A 1,931A 1,972A Total intangible assets\$6,949A (\$2,986)\$3,963A \$7,082A (\$2,952)\$4,130A X - DefinitionTabular disclosure of amortizable and unamortizable intangible assets other than goodwill, in total and by major class, including the gross carrying amount and accumulated amortization. A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company. + ReferencesNo definition available. + Details Name: jci ScheduleOfIntangibleAssetsTableTextBlock Namespace Prefix: jci Data Type: dtr-types1:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule. + ReferencesReference 1: http://www.xbrli.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 2: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 3: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 4: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 5: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 6: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 7: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1AReference 10: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-2 + Details Name: us-gaap ScheduleOfGoodwillTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 43 R33.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases (Tables) 3 Months Ended Dec. 31,

2024 Leases [Abstract] X Supplemental Balance Sheet Information, Leases The following table presents supplemental consolidated statement of financial position information (in millions): Location of lease balances December 31, 2024 September 30, 2024 Operating lease right-of-use assets Other noncurrent assets \$1,164 \$1,170 Operating lease liabilities - current Other current liabilities 265 289 Operating lease liabilities - noncurrent Other noncurrent liabilities 932 921 Lease, Cost The following table presents supplemental noncash operating lease activity (in millions): Three Months Ended December 31, 2024 2023 Right-of-use assets obtained in exchange for operating lease liabilities \$130 \$76 X - Definition Supplemental Balance Sheet Information Leases [Table Text Block] + References No definition available. + Details Name: jci Supplemental Balance Sheet Information Leases Table Text Block Namespace Prefix: jci Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income. + References Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap\_LeaseCostTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap\_LeasesAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 44 R34.htm IDEA: XBRL DOCUMENT v3.25.0.1 Debt and Financing Arrangements (Tables) 3 Months Ended Dec. 31, 2024 Debt Disclosure [Abstract] A Schedule of Short-Term Debt Short-term debt consisted of the following (in millions): December 31, September 30, 2024 2024 Commercial paper \$309A \$350A Term loans 569A 603A Bank borrowings 4A \$882A \$953A Weighted average interest rate on short-term debt outstanding 3.7A % 4.8A % X - References No definition available. + Details Name: us-gaap\_DebtDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of short-term debt arrangements (having initial terms of repayment within one year or the normal operating cycle, if longer) including: (1) description of the short-term debt arrangement; (2) identification of the lender or type of lender; (3) repayment terms; (4) weighted average interest rate; (5) carrying amount of funds borrowed under the specified short-term debt arrangement as of the balance sheet date; (6) description of the refinancing of a short-term obligation when that obligation is excluded from current liabilities in the balance sheet; and (7) amount of a short-term obligation that has been excluded from current liabilities in the balance sheet because of a refinancing of the obligation. + References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-599-1 + Details Name: us-gaap\_ScheduleOfShortTermDebtTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration XML 45 R35.htm IDEA: XBRL DOCUMENT v3.25.0.1 Derivative Instruments and Hedging Activities (Tables) 3 Months Ended Dec. 31, 2024 Derivative Instruments and Hedging Activities Disclosure [Abstract] A Outstanding Commodity Hedge Contracts The Company had the following outstanding contracts to hedge forecasted commodity purchases (in metric tons): A Volume Outstanding as of Commodity December 31, 2024 September 30, 2024 Copper 2,880A 2,676A Aluminum 2,471A 2,450A Schedule of Notional Amounts of Outstanding Derivative Positions The following table summarizes net investment hedges (in billions): December 31, September 30, 2024 2024 Euro-denominated bonds designated as net investment hedges in Europe, -2.9A -2.9A Yen-denominated debt designated as a net investment hedge in Japan A ¥30A A ¥30A Location and Fair Values of Derivative Instruments and Hedging Activities The following table presents the location and fair values of derivative instruments and hedging activities included in the Company's consolidated statements of financial position (in millions): A Derivatives A and A Hedging A Activities A Designated as Hedging Instruments Derivatives A and A Hedging A Activities Not Designated as Hedging Instruments A December 31, September 30, December 31, September 30, 2024 2024 Other current assets Foreign currency exchange derivatives \$42A \$19A \$A \$1A Interest rate swaps \$A \$2A \$A \$A Total assets \$42A \$21A \$A \$1A Other current liabilities Foreign currency exchange derivatives \$26A \$24A \$66A \$1A A A A A A A Commodity derivatives \$A \$1A \$A \$A Long-term debt Foreign currency exchange derivatives \$186A \$186A \$424A \$21A \$A \$A Total liabilities \$3,215A \$3,449A \$587A \$1A Offsetting Assets and Liabilities The gross and net amounts of derivative assets and liabilities were as follows (in millions): A Fair Value of Assets Fair Value of Liabilities A December 31, September 30, December 31, September 30, 2024 2024 2024 2024 Gross amount recognized \$42A \$22A \$3,802A \$3,450A Gross amount eligible for offsetting (14)(12)(14)(12) Net amount \$28A \$10A \$3,788A \$3,438A Location and Amount of Gains and Losses Gross of Tax on Derivative Instruments and Related Hedge Items The following table presents the pre-tax gains (losses) recorded in other comprehensive income (loss) related to cash flow hedges (in millions): A A A Derivatives in Cash Flow A Hedging Relationships Three Months Ended December 31, 2024 2023 Foreign currency exchange derivatives \$17A \$(13) Commodity derivatives (3) A Interest rate swaps \$A \$(35) Total \$14A \$(47) The following table presents the location and amount of the pre-tax gains (losses) on cash flow hedges reclassified from AOCI into the Company's consolidated statements of income (in millions): Derivatives in Cash Flow Hedging Relationships Location of Gain (Loss) Reclassified from AOCI into Income Three Months Ended December 31, 2024 2023 Foreign currency exchange derivatives Cost of sales \$1A \$(1) Commodity derivatives Cost of sales \$A \$(3) Total \$1A \$(4) The following table presents the location and amount of pre-tax gains (losses) on derivatives not designated as hedging instruments recognized in the Company's consolidated statements of income (in millions): Derivatives Not Designated as Hedging Instruments Location of Gain (Loss) Recognized in Income on Derivative Three Months Ended December 31, 2024 2023 Foreign currency exchange derivatives Cost of sales \$(7) \$(5) Foreign currency exchange derivatives \$G & A(2) \$A \$A Foreign currency exchange derivatives Net financing charges (144)(43) Total \$(153) \$(48) Pre-tax Gains (Losses) on Net Investment Hedges Recorded as Foreign CTA in OCI The following table presents pre-tax gains on net investment hedges recorded as foreign currency translation adjustments ("CTA") within other comprehensive income (loss) (in millions): Three Months Ended December 31, 2024 2023 Net investment hedges \$238A \$145A X - Definition Hedge Forecasted Purchases Table + References No definition available. + Details Name: jci\_HedgeForecastedPurchasesTableTextBlock Namespace Prefix: jci Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of derivative and other financial assets and liabilities that are subject to offsetting, including master netting arrangements. + References No definition available. + Details Name: jci\_OffsettingDerivativeAssetsAndLiabilitiesTableTextBlock Namespace Prefix: jci Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap\_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments. + References Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4E -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4E Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4C -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4C Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A + Details Name: us-gaap\_ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position. + References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4B -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4B + Details Name: us-gaap\_ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of the effective portion of gains and losses on derivative instruments (and nonderivative instruments) designated and qualifying in net investment hedges recorded in accumulated other comprehensive income (loss) during the term of the hedging relationship and reclassified into earnings during the current period. + References Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4CCC -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CCC + Details Name: us-gaap\_ScheduleOfNetInvestmentHedgesInAccumulatedOtherComprehensiveIncomeLossTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of the notional amounts of outstanding derivative positions. + References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1A + Details Name: us-gaap\_ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration XML 46 R36.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair Value Measurements (Tables) 3 Months Ended Dec. 31, 2024 Fair Value Disclosures [Abstract] A Assets and Liabilities Measured at Fair Value The following tables present the Company's fair value hierarchy for those assets and liabilities measured at fair value (in millions): A Fair Value Measurements Using: A Total as of December 31, 2024 Quoted A Prices in Active Markets (Level 1) Significant Other Observable Inputs (Level 2) Significant Unobservable Inputs (Level 3) Other current assets Foreign currency exchange derivatives \$42A \$A \$42A \$A Other noncurrent assets Deferred compensation plan assets 57A \$A \$A \$A Exchange traded funds (fixed income) (1) 76A 76A \$A \$A Exchange traded funds (equity) (1) 201A 201A \$A \$A Total assets \$376A \$334A \$42A \$A Other current liabilities Foreign currency exchange derivatives \$92A \$A \$A \$A Commodity derivatives \$A \$A \$A \$A Contingent earn-out liabilities 13A \$A \$A \$A Other noncurrent liabilities Contingent earn-out liabilities 14A \$A \$A \$A Total liabilities \$122A \$A \$95A \$27A (1) Classified as restricted investments for payment of asbestos liabilities. See Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further details. A Fair Value Measurements Using: A Total as of September 30, 2024 Quoted A Prices in Active Markets (Level 1) Significant Other Observable Inputs (Level 2) Significant Unobservable Inputs (Level 3) Other current assets Foreign currency exchange derivatives \$20A \$A \$20A \$A Commodity derivatives 2A \$A \$2A \$A Other noncurrent assets Deferred compensation plan assets 56A 56A \$A \$A Exchange traded funds (fixed income) (1) 81A 81A \$A \$A Exchange traded funds (equity) (1) 200A 200A \$A \$A Total assets \$359A \$337A \$22A \$A Other current liabilities Foreign currency exchange derivatives \$25A \$A \$25A \$A Commodity derivatives 1A \$A \$1A \$A Contingent earn-out liabilities 14A \$A \$A \$A Other noncurrent liabilities Contingent earn-out liabilities 14A \$A \$A \$A Total liabilities \$54A \$A \$26A \$28A (1) Classified as restricted investments for payment of asbestos liabilities. See Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further details. Debt Securities, Trading, and Equity Securities, FV-NI The following table presents the portion of unrealized gains (losses) recognized in the consolidated statements of income that relate to equity securities still held at December 31, 2024 and 2023 (in millions): Three Months Ended December 31, 2024 2023 A Deferred compensation plan assets \$(1) \$4 A Investments in exchange traded funds (1) 22A Fair Value of Long-Term Debt The fair value of long-term debt at December 31, 2024 and September 30, 2024 was as follows (in billions): December 31, September 30, 2024 2024 Public debt \$8.4A \$8.1A Other long-term debt 0.2A 0.2A Total fair value of long-term debt \$8.6A \$8.3A X - References No definition available. + Details Name: us-gaap\_FairValueDisclosuresAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of information pertaining to carrying amount and estimated fair value of short-term and long-term debt instruments or arrangements, including but not limited to, identification of terms, features, and collateral requirements. + References No definition available. + Details Name: us-gaap\_ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). + References Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap\_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of investment in debt security measured at fair value with change in fair value recognized in net income (trading) and investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI). + References Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6B + Details Name: us-gaap\_TradingSecuritiesAndCertainTradingAssetsTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration XML 47 R37.htm IDEA: XBRL DOCUMENT v3.25.0.1 Earnings Per Share (Tables) 3 Months Ended Dec. 31, 2024 Earnings Per Share [Abstract] A Earnings Per Share The following table reconciles the numerators and denominators used to calculate basic and diluted earnings per share (in millions): Three Months Ended December 31, 2024 2023 Income Available to Ordinary Shareholders Income from continuing operations \$363A \$340A Income from discontinued operations 56A 34A Basic and diluted income available to shareholders \$419A \$374A Weighted Average Shares Outstanding Basic weighted average shares outstanding 662.0A 680.7A Effect of dilutive securities: Stock options, unvested restricted stock and A A A A unvested performance share awards 3.0A 1.7A Diluted weighted average shares outstanding 665.0A 682.4A Antidilutive Securities Stock options and unvested restricted stock \$A 0.6A X - References No definition available. + Details Name: us-gaap\_EarningsPerShareAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations. + References Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap\_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration XML 48 R38.htm IDEA: XBRL DOCUMENT v3.25.0.1 Accumulated Other Comprehensive Income (Loss) (Tables) 3 Months Ended Dec. 31, 2024 Stockholders' Equity Note [Abstract] A Changes in Accumulated Other Comprehensive Income, Net of Tax The following schedules present changes in AOCI attributable to Johnson Controls (in millions): Three Months Ended December 31, 2024 2023 Foreign currency translation adjustments Balance at beginning of period \$(956) \$(970) Aggregate adjustment for the period (85) 61A Balance at end of period (1,041) (909) Realized and unrealized gains (losses) on derivatives Balance at beginning of period (4) 15A Current period changes in fair value 8A (43) Reclassification to income (1) (14) Net tax impact (1) 1A Balance at end of period 2A (23) Pension and postretirement plans Balance at beginning of period (4) 4A Reclassification to income (1) (1) Balance at end of period (5) (1) Accumulated other comprehensive loss, end of period \$(1,044) \$(933) (1) Refer to Note 9, "Derivative Instruments and Hedging Activities," of the notes to the consolidated financial statements for disclosure of the line items in the consolidated statements of income affected by reclassifications from AOCI into income related to derivatives. X - Definition Tabular disclosure of the components of accumulated other comprehensive income (loss). + References Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1 Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20 + Details Name: us-gaap\_ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:1:tableItem Type Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap\_StockholdersEquityNoteAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 49 R39.htm IDEA: XBRL DOCUMENT v3.25.0.1 Pension and Postretirement Plans (Tables) 3 Months Ended Dec. 31, 2024 Retirement Benefits [Abstract] A Components of Net

Periodic Benefit Cost The components of the Company's net periodic benefit cost (credit) associated with its defined benefit pension and postretirement plans, which are primarily recorded in selling, general and administrative expenses in the consolidated statements of income, are shown in the tables below in accordance with ASC 715, "Compensation and Retirement Benefits" (in millions): A U.S. Pension Plans Three Months Ended December 31, 2024 2023 Interest cost \$16.4 \$20.0 Expected return on plan assets (24) (30) Net periodic benefit credits (8) (5) (10) A Non-U.S. Pension Plans Three Months Ended December 31, 2024 2023 Service cost \$4.4 \$4.0 Interest cost \$1.6 \$1.7 Expected return on plan assets (19) (18) Net periodic benefit costs \$1.4 \$3.1 A Postretirement Benefits Three Months Ended December 31, 2024 2023 Interest cost \$1.1 \$1.1 Expected return on plan assets (3) (2) Amortization of prior service credit (1) (1) Net periodic benefit credits (3) (2) X - References No definition available. + Details Name: us-gaap CompensationAndRetirementDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of the components of net benefit costs for pension plans and/or other employee benefit plans including service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) recognized due to settlements or curtailments. + References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 715 -SubTopic 20 -Subparagraph \(h\) -Name Accounting Standards Codification -Paragraph 1 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 715 -SubTopic 20 -Subparagraph (h) -Name Accounting Standards Codification -Paragraph 1 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1) + Details Name: us-gaap ScheduleOfNetBenefitCostsTableTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 50 R40.htm IDEA: XBRL DOCUMENT v3.25.0.1 Restructuring and Related Costs (Tables) 3 Months Ended Dec. 31, 2024 Restructuring and Related Activities [Abstract] A Restructuring and Related Costs The following table summarizes restructuring and related costs (in millions): A Three Months Ended December 31, 2024 Building Solutions North America \$6.1 Building Solutions EMEA/LA11.1 Building Solutions Asia Pacific 2.4 Global Products 9.4 Corporate 5.4 Total 33.3 A Schedule of Restructuring Reserve by Type of Cost The following table summarizes changes in the current restructuring reserve, which is included within other current liabilities in the consolidated statement of financial position (in millions): Employee Severance A and Termination Benefits Long-Lived Asset Impairments Total Restructuring and related costs \$2.5 \$8.4 \$3.3 Utilized cash (4) a Utilized noncash 8 (8) Balance at December 31, 2024 \$21.4 The following table summarizes changes in the previous restructuring reserve, which is included within other current liabilities in the consolidated statements of financial position (in millions): Employee Severance A and Termination Benefits Other Total Balance at September 30, 2024 \$5.8 \$1.7 \$7.5 Utilized cash (27) a Other 1 (1) Balance at December 31, 2024 \$3.1 \$1.8 \$4.9 X - References No definition available. + Details Name: us-gaap RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets. + References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SAB Topic 5.P.3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.P.3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2) Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1> + Details Name: us-gaap ScheduleOfRestructuringAndRelatedCostsTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period. + References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4.b.2\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2) Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph \(b\)\(2\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1) + Details Name: us-gaap ScheduleOfRestructuringReserveByTypeOfCostTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 51 R41.htm IDEA: XBRL DOCUMENT v3.25.0.1 Income Taxes (Tables) 3 Months Ended Dec. 31, 2024 Income Tax Disclosure [Abstract] A Tax Jurisdictions and Years Currently under Audit Exam In the U.S., fiscal years 2019 through 2020 are currently under audit and fiscal years 2017 through 2018 are currently under appeal with the Internal Revenue Service (IRS) for certain legal entities. In addition, fiscal years 2016 through 2019 are also under exam by the IRS in relation to a separate consolidated filing group. Additionally, the Company is currently under exam in the following major non-U.S. jurisdictions for continuing operations: Tax Jurisdiction Tax Years Covered Belgium 2016 - 2017; 2019 - 2020; 2022 Germany 2007 A - 2021 Mexico 2016 - 2019 United Kingdom 2014 - 2015; 2018; 2020 - 2021 X - References No definition available. + Details Name: us-gaap IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of income tax examinations that an enterprise is currently subject to or that have been completed in the current period typically including a description of the examination, the jurisdiction conducting the examination, the tax year(s) under examination, the likelihood of an unfavorable settlement, the range of possible losses, the liability recorded, the increase or decrease in the liability from the prior period, and any penalties and interest that have been recorded. + References Reference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Subparagraph \(e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-15](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-15) + Details Name: us-gaap SummaryOfIncomeTaxExaminationsTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 52 R42.htm IDEA: XBRL DOCUMENT v3.25.0.1 Segment Information (Tables) 3 Months Ended Dec. 31, 2024 Segment Reporting, Disclosure of Entity's Reportable Segments [Abstract] A Financial Information Related to Company's Reportable Segments Financial information relating to the Company's reportable segments is as follows (in millions): A Net Sales Three Months Ended December 31, 2024 2023 Building Solutions North America \$2,744.4 \$2,487.4 Building Solutions EMEA/LA1,073.4 \$1,038.4 Building Solutions Asia Pacific \$527.4 \$574.0 Global Products 1,082.1 \$1,177.4 A Total net sales \$5,426.6 \$5,209.4 A Segment EBITA Three Months Ended December 31, 2024 2023 Building Solutions North America \$332.4 \$285.4 Building Solutions EMEA/LA1,084.8 \$80.4 Building Solutions Asia Pacific 49.4 \$6.4 Global Products 326.4 \$267.4 Total segment EBITA \$1,154.6 \$784.6 Corporate expenses 171.4 \$139.4 Amortization of intangible assets 120.4 \$119.4 Restructuring and impairment costs 33.4 \$35.4 Water systems AFFF insurance recoveries (1) (4) A Net mark-to-market losses (gains) 1.4 (2) Net financing charges 86.4 \$71.4 Income before income taxes \$408.4 \$320.4 (1) Refer to Note 18, "Commitments and Contingencies," of the notes to the consolidated financial statements for further disclosure related to the water systems AFFF settlement. X - Definition Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss. + References Reference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25> Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22> Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30> + Details Name: us-gaap ScheduleOfSegmentReportingInformationBySegmentTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap SegmentReportingDisclosureOfEntityReportableSegmentsAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 53 R43.htm IDEA: XBRL DOCUMENT v3.25.0.1 Guarantees (Tables) 3 Months Ended Dec. 31, 2024 Guarantees [Abstract] A Changes in Carrying Amount of Product Warranty Liability The following table summarizes changes in the total product warranty liability (in millions): Balance at September 30, 2024 \$122.4 Accruals for warranties issued during the period 16.4 Settlements made during the period (18) Changes in estimates to pre-existing warranties (2) Currency translation (3) Balance at December 31, 2024 \$115.4 X - References No definition available. + Details Name: us-gaap GuaranteesAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of the changes in the guarantor's aggregate product warranty liability, including the beginning balance of the aggregate product warranty liability, the aggregate reductions in that liability for payments made (in cash or in kind) under the warranty, the aggregate changes in the liability for accruals related to product warranties issued during the reporting period, the aggregate changes in the liability for accruals related to preexisting warranties (including adjustments related to changes in estimates), and the ending balance of the aggregate product warranty liability. + References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-8](http://www.xbrl.org/2003/role/disclosureRef-Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-8) + Details Name: us-gaap ScheduleOfProductWarrantyLiabilityTableTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 54 R44.htm IDEA: XBRL DOCUMENT v3.25.0.1 Commitment and Contingencies (Tables) 3 Months Ended Dec. 31, 2024 Commitments and Contingencies Disclosure [Abstract] A Schedule of Loss Contingencies by Contingency The following table presents the location and amount of reserves for environmental liabilities in the Company's consolidated statements of financial position (in millions): December 31, 2024 September 30, 2024 Other current liabilities \$28.4 \$32.4 Other noncurrent liabilities 17.5 17.9 Total reserves for environmental liabilities \$203.4 \$211.4 The following table presents the location and amount of asbestos-related assets and liabilities in the Company's consolidated statements of financial position (in millions): December 31, 2024 September 30, 2024 Other current liabilities \$58.4 \$58.4 Other noncurrent liabilities 344.4 350.4 Total asbestos-related liabilities 402.4 408.4 Other current assets 15.4 14.4 Other noncurrent assets 315.4 320.4 Total asbestos-related assets 330.4 334.4 Net asbestos-related liabilities \$72.4 \$74.4 The following table presents the components of asbestos-related assets (in millions): December 31, 2024 September 30, 2024 Restricted Cash \$7.4 \$6.4 Investments 277.4 281.4 Total restricted assets 284.4 287.4 Insurance receivables for asbestos-related liabilities 46.4 47.4 Total asbestos-related assets \$330.4 \$334.4 The following table presents the location and amount of self-insured liabilities in the Company's consolidated statements of financial position (in millions): December 31, 2024 September 30, 2024 Other current liabilities \$98.4 \$92.4 Accrued compensation and benefits 20.4 20.4 Other noncurrent liabilities 24.4 23.9 Total self-insured liabilities \$365.4 \$351.4 The following table presents the location and amount of insurance receivables in the Company's consolidated statements of financial position (in millions): December 31, 2024 September 30, 2024 Other current assets \$5.4 \$5.4 Other noncurrent assets 13.4 13.4 Total insurance receivables \$18.4 \$18.4 X - References No definition available. + Details Name: us-gaap CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Tabular disclosure of the loss contingencies that were reported in the period or disclosed as of the balance sheet date. + References Reference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1> Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4) Reference 3: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9> Reference 4: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3> + Details Name: us-gaap ScheduleOfLossContingenciesByContingencyTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 55 R45.htm IDEA: XBRL DOCUMENT v3.25.0.1 Basis of Presentation (Details) - Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd Dec. 31, 2024 Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Ownership percentage 60.00% Hitachi Global Life Solutions, Inc. A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Ownership percentage 40.00% X - Definition The percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting. + References Reference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(a\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3) + Details Name: us-gaap EquityMethodInvestmentOwnershipPercentage Namespace Prefix: us-gaap\_Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - Definition Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + References No definition available. + Details Name: us-gaap IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=cj JohnsonControlsHitachiAirConditioningHoldingUKLtdMember Namespace Prefix: Data Type: na Balance Type: Period Type: duration X - Details Name: dei LegalEntityAxis=cj HitachiGlobalLifeSolutionsInc.Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R46.htm IDEA: XBRL DOCUMENT v3.25.0.1 New Accounting Standards (Details) - USD (\$) \$ in Millions Dec. 31, 2024 Sep. 30, 2024 Accounting Standards Update and Change in Accounting Principle [Abstract] A Accounts payable included in supply chain financing programs \$ 733 \$ 703 X - References No definition available. + Details Name: us-gaap NewAccountingPronouncementsAndChangesInAccountingPrinciplesAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Amount of obligation for supplier finance program. + References Reference 1: <http://www.xbrl.org/2003/role/exampleRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 55 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477128/405-50-55-5> Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3) Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\)\(2\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3) Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\)\(2\)\(i\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3) Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\)\(2\)\(ii\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3) Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\)\(2\)\(iv\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479468/405-50-50-3) + Details Name: us-gaap SupplierFinanceProgramObligation Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 57 R47.htm IDEA: XBRL DOCUMENT v3.25.0.1 Assets and Liabilities Held for Sale and Discontinued Operations - Narrative (Details) - USD (\$) \$ in Billions Dec. 31, 2024 Jul. 31, 2024 Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Ownership percentage 60.00% A Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd [Hitachi Global Life Solutions, Inc. A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Ownership percentage 40.00% A Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd [Hitachi Global Life Solutions, Inc. A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Ownership percentage 40.00% A Residential and Light Commercial HVAC Business A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Proceeds from divestiture of businesses A \$ 6.7 Residential and Light Commercial HVAC Business [Johnson Controls International PLC And Hitachi Global Life Solutions, Inc. A Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] A Proceeds from divestiture of businesses A \$ 8.1 X - Definition Amount of consideration received or receivable for the disposal of assets and liabilities, including discontinued operation. + References No definition available. + Details Name: us-gaap DisposalGroupIncludingDiscontinuedOperationConsideration Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Definition The



sale \$ 1,658 \$ 1,595 Disposal Group, Including Discontinued Operation, Assets, Noncurrent [Abstract] A A Noncurrent assets held for sale 2,986 3,210 Disposal Group, Including Discontinued Operation, Liabilities, Current [Abstract] A A Current liabilities held for sale 1,322 1,431 Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent [Abstract] A A Noncurrent liabilities held for sale 407 405 Discontinued Operations, Disposed of by Sale | Residential and Light Commercial HVAC Business A A Disposal Group, Including Discontinued Operation, Assets, Current [Abstract] A A Cash 2 5 Accounts receivable - net 539 592 Inventories 979 876 Other current assets 138 122 Current assets held for sale 1,658 1,595 Disposal Group, Including Discontinued Operation, Assets, Noncurrent [Abstract] A A Property, plant and equipment - net 743 793 Goodwill 1,130 1,182 Other intangible assets - net 94 96 Investments in partially-owned affiliates 833 949 Other noncurrent assets 186 190 Noncurrent assets held for sale 2,986 3,210 Total assets classified as held for sale 4,644 4,805 Disposal Group, Including Discontinued Operation, Liabilities, Current [Abstract] A A Accounts payable 887 917 Accrued compensation and benefits 99 113 Deferred revenue 112 84 Other current liabilities 224 317 Current liabilities held for sale 1,322 1,431 Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent [Abstract] A A Pension and postretirement benefit obligations 25 28 Other noncurrent liabilities 382 377 Noncurrent liabilities held for sale 407 405 Total liabilities classified as held for sale \$ 1,729 \$ 1,836 X - DefinitionDisposal Group, Including Discontinued Operation, Accrued Compensation + ReferencesNo definition available. + Details Name: jci DisposalGroupIncludingDiscontinuedOperationAccruedCompensation Namespace Prefix: jci Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDisposal Group, Including Discontinued Operation, Investments In Affiliates + ReferencesNo definition available. + Details Name: jci DisposalGroupIncludingDiscontinuedOperationInvestmentsInAffiliates Namespace Prefix: jci Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of. + ReferencesReference 1:

gaap\_DisposalGroupIncludingDiscontinuedOperationOtherNoncurrentAssets Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as other liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-10>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482130/360-10-45-11>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482099/360-10-50-3>Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-11> + Details Name: us-gaap\_DisposalGroupIncludingDiscontinuedOperationOtherNoncurrentLiabilities Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as defined benefit non-pension postretirement plan obligations attributable to disposal group held for sale or disposed of. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-11> + Details Name: us-gaap\_DisposalGroupIncludingDiscontinuedOperationPostretirementPlanBenefitObligation Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as property, plant and equipment attributable to disposal group held for sale or disposed of. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-10>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482099/360-10-50-3>Reference 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-11> + Details Name: us-gaap\_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-10>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5C>Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482130/360-10-45-9>Reference 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 7: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-11> + Details Name: us-gaap\_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationCurrentAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-10>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482130/360-10-45-11>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5C>Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-5B>Reference 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483475/205-20-45-11> + Details Name: us-gaap\_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationNoncurrent Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap\_DisposalGroupClassificationAxis=us-gaap\_DiscontinuedOperationsDisposedOfBySaleMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=jci\_ResidentialAndLightCommercialHVACBusinessMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 60 R50.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue Recognition - Disaggregation of Revenue (Details) - USD (\$) in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Disaggregation of Revenue [Line Items] 

À Total 3,685 3,604 Services	À Total 1,741 1,605 Building Solutions North America	À Disaggregation of Revenue [Line Items]	À Total 1,695 1,518 Building Solutions North America   Services	À Total 2,744 2,487 Building Solutions North America   Products and systems	À Disaggregation of Revenue [Line Items]	À Total 1,695 1,518 Building Solutions North America   Services	À Total 1,073 1,038 Building Solutions EMEA/LA   Products and systems	À Disaggregation of Revenue [Line Items]	À Total 574 572 Building Solutions EMEA/LA   Services	À Disaggregation of Revenue [Line Items]	À Total 499 466 Building Solutions Asia Pacific	À Disaggregation of Revenue [Line Items]	À Total 527 507 Building Solutions Asia Pacific   Products and systems	À Disaggregation of Revenue [Line Items]	À Total 334 337 Building Solutions Asia Pacific   Services	À Disaggregation of Revenue [Line Items]	À Total 193 170 Global Products	À Disaggregation of Revenue [Line Items]	À Total 1,082 1,177 Global Products   Products and systems	À Disaggregation of Revenue [Line Items]	À Total 1,082 1,177 Global Products   HVAC	À Disaggregation of Revenue [Line Items]	À Total 468 533 Global Products   Fire & Security	À Disaggregation of Revenue [Line Items]	À Total 522 547 Global Products   Industrial Refrigeration	À Disaggregation of Revenue [Line Items]	À Total 92 97 Global Products   Services	À Disaggregation of Revenue [Line Items]	À Total 0 0 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-5">https://asc.fasb.org/1943274/2147479806/606-10-50-5</a> Reference 2: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 3: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 4: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 5: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 6: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 7: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> Reference 8: <a href="http://www.xbrl.org/2003/role/exampleRef">http://www.xbrl.org/2003/role/exampleRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479777/606-10-55-91">https://asc.fasb.org/1943274/2147479777/606-10-55-91</a> + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_Data Type: xbrli:stringItemBalance Type: na Period Type: duration X - DefinitionAmount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise. + ReferencesReference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-41">https://asc.fasb.org/1943274/2147482810/280-10-50-41</a> Reference 2: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482964/270-10-50-1">https://asc.fasb.org/1943274/2147482964/270-10-50-1</a> Reference 3: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-32">https://asc.fasb.org/1943274/2147482810/280-10-50-32</a> Reference 4: <a href="http://fasb.org/us-gaap/role/ref/otherTransitionRef">http://fasb.org/us-gaap/role/ref/otherTransitionRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-32">https://asc.fasb.org/1943274/2147482810/280-10-50-32</a> Reference 5: <a href="http://fasb.org/us-gaap/role/ref/otherTransitionRef">http://fasb.org/us-gaap/role/ref/otherTransitionRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-32">https://asc.fasb.org/1943274/2147482810/280-10-50-32</a> Reference 6: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479941/924-10-599-1">https://asc.fasb.org/1943274/2147479941/924-10-599-1</a> Reference 7: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-5">https://asc.fasb.org/1943274/2147479806/606-10-50-5</a> Reference 8: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-30">https://asc.fasb.org/1943274/2147482810/280-10-50-30</a> Reference 9: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-42">https://asc.fasb.org/1943274/2147482810/280-10-50-42</a> Reference 10: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-22">https://asc.fasb.org/1943274/2147482810/280-10-50-22</a> Reference 11: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-40">https://asc.fasb.org/1943274/2147482810/280-10-50-40</a> Reference 12: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147482810/280-10-50-22">https://asc.fasb.org/1943274/2147482810/280-10-50-22</a> Reference 13: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-4">https://asc.fasb.org/1943274/2147479806/606-10-50-4</a> + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=jci_ProductsAndSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_ServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=jci_BuildingSolutionsNorthAmericaSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=jci_BuildingSolutionsEMEAALASegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=jci_BuildingSolutionsAsiaPacificSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=jci_GlobalProductsSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=jci_GlobalProductsHVACMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=jci_GlobalProductsFireSecurityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=jci_GlobalProductsIndustrialRefrigerationMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R51.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue Recognition - Contract Balances (Details) - USD (\$) in Millions Dec. 31, 2024 Sep. 30, 2024 Revenue from Contract with Customer [Abstract] <table border="1"><tr><td>À Contract assets - current \$ 1,917 \$ 1,931 Contract assets - noncurrent 6 11 Contract liabilities - current 2,211 2,160 Contract liabilities - noncurrent \$ 253 \$ 252 X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-3">https://asc.fasb.org/1943274/2147479837/606-10-45-3</a>Reference 2: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-1">https://asc.fasb.org/1943274/2147479837/606-10-45-1</a>Reference 3: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-8">https://asc.fasb.org/1943274/2147479806/606-10-50-8</a> + Details Name: us-gaap_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as noncurrent. +</td></tr></table>	À Contract assets - current \$ 1,917 \$ 1,931 Contract assets - noncurrent 6 11 Contract liabilities - current 2,211 2,160 Contract liabilities - noncurrent \$ 253 \$ 252 X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-3">https://asc.fasb.org/1943274/2147479837/606-10-45-3</a> Reference 2: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-1">https://asc.fasb.org/1943274/2147479837/606-10-45-1</a> Reference 3: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-8">https://asc.fasb.org/1943274/2147479806/606-10-50-8</a> + Details Name: us-gaap_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as noncurrent. +
À Contract assets - current \$ 1,917 \$ 1,931 Contract assets - noncurrent 6 11 Contract liabilities - current 2,211 2,160 Contract liabilities - noncurrent \$ 253 \$ 252 X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-3">https://asc.fasb.org/1943274/2147479837/606-10-45-3</a> Reference 2: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479837/606-10-45-1">https://asc.fasb.org/1943274/2147479837/606-10-45-1</a> Reference 3: <a href="http://www.xbrl.org/2003/role/disclosureRef">http://www.xbrl.org/2003/role/disclosureRef</a> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI <a href="https://asc.fasb.org/1943274/2147479806/606-10-50-8">https://asc.fasb.org/1943274/2147479806/606-10-50-8</a> + Details Name: us-gaap_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as noncurrent. +																														

ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-3>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8> + Details Name: us-gaap ContractWithCustomerAssetNetNoncurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8](http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8)Reference 3: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2> + Details Name: us-gaap ContractWithCustomerLiabilityCurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as noncurrent. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8](http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8)Reference 4: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2> + Details Name: us-gaap ContractWithCustomerLiabilityNoncurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 62 R52.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue Recognition - Narrative (Details) - USD (\$) in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Disaggregation of Revenue [Line Items] A A Contract with customer, liability, revenue recognized \$ 878 \$ 839 Revenue, remaining performance obligation, amount 20,900 A Capitalized contract cost, amortization 84 57 Capitalized contract cost, impairment loss \$ 0 \$ 0 Minimum A A Disaggregation of Revenue [Line Items] A A Contract term 25 years A Maximum A A Disaggregation of Revenue [Line Items] A A Contract term 35 years A Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2025-01-01 A A Disaggregation of Revenue [Line Items] A A Revenue, remaining performance obligation, percentage 64.00% A Revenue, remaining performance obligation, expected timing of satisfaction, period 2 years A X - DefinitionContract With Customer, Term + ReferencesNo definition available. + Details Name: jci ContractWithCustomerTerm Namespace Prefix: jci Data Type: xbrli:durationItem Type Balance Type: na Period Type: duration X - DefinitionAmount of amortization expense for asset recognized from cost incurred to obtain or fulfill contract with customer. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3](http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3) + Details Name: us-gaap CapitalizedContractCostAmortization Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: duration X - DefinitionAmount of impairment loss for asset recognized from cost incurred to obtain or fulfill contract with customer. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3](http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3) + Details Name: us-gaap CapitalizedContractCostImpairmentLoss Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: duration X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8](http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8) + Details Name: us-gaap ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5>Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 3: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 4: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 5: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 6: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 7: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(f\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91)Reference 8: [http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph \(g\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91](http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91) + Details Name: us-gaap DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionAmount of transaction price allocated to performance obligation that has not been recognized as revenue. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(a\) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13](http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13) + Details Name: us-gaap RevenueRemainingPerformanceObligation Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionPeriod in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMnDnTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(b\)\(1\) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13](http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(1) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13) + Details Name: us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1 Namespace Prefix: us-gaap Data Type: xbrli:durationItem Type Balance Type: na Period Type: instant X - DefinitionPercentage of remaining performance obligation to total remaining performance obligation not recognized as revenue. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(b\)\(1\) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13](http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(1) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13) + Details Name: us-gaap RevenueRemainingPerformanceObligationPercentage Namespace Prefix: us-gaap Data Type: dtr-types:percentItem Type Balance Type: na Period Type: instant X - Details Name: srt RangeAxis=srt MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis=2025-01-01 Namespace Prefix: Data Type: na Balance Type: Period Type: XML 63 R53.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue Recognition - Performance Obligations and Costs to Obtain or Fulfill a Contract (Details) - USD (\$) in Millions Dec. 31, 2024 Sep. 30, 2024 Revenue from Contract with Customer [Abstract] A A Other current assets \$ 276 8 265 Other noncurrent assets 284 291 Total \$ 560 \$ 556 X - DefinitionAmount, after accumulated amortization and accumulated impairment loss, of asset recognized from cost incurred to obtain or fulfill contract with customer. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3](http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3) + Details Name: us-gaap CapitalizedContractCostNetNoncurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated amortization and accumulated impairment loss, of asset recognized from cost incurred to obtain or fulfill contract with customer; classified as noncurrent. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3](http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3) + Details Name: us-gaap CapitalizedContractCostNetNoncurrent Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 64 R54.htm IDEA: XBRL DOCUMENT v3.25.0.1 Inventories - Schedule of Inventories (Details) - USD (\$) in Millions Dec. 31, 2024 Sep. 30, 2024 Inventory Disclosure [Abstract] A A Raw materials and supplies \$ 693 \$ 765 Work-in-process 140 130 Finished goods 906 879 Inventories \$ 1,739 \$ 1,774 X - ReferencesNo definition available. + Details Name: us-gaap InventoryDisclosureAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.BB\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2)Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(1\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap InventoryFinishedGoodsNetOfReserves Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10>Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1](http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(3\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap InventoryNet Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.BB\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2)Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(3\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap InventoryRawMaterialsNetOfReserves Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.BB\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2)Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(3\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap InventoryWorkInProgressNetOfReserves Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant XML 65 R55.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and Other Intangible Assets - Changes in Carrying Amount of Goodwill (Details) - USD (\$) in Millions 3 Months Ended Dec. 31, 2024 Sep. 30, 2024 Goodwill [Line Items] A A Goodwill \$ 17,920 Accumulated impairment loss A (1,195) Goodwill [Roll Forward] A A Balance at beginning of period \$ 16,725 A Foreign currency translation (313) A Balance at end of period 16,412 A Building Solutions North America A A Goodwill [Line Items] A A Goodwill \$ 10,050 Accumulated impairment loss A (659) Goodwill [Roll Forward] A A Balance at beginning of period 9,391 A Foreign currency translation (41) A Balance at end of period 9,350 A Building Solutions EMEA/LA A A Goodwill [Line Items] A A Goodwill \$ 2,039 Accumulated impairment loss A (277) Goodwill [Roll Forward] A A Balance at beginning of period 1,762 A Foreign currency translation (107) A Balance at end of period 1,655 A Building Solutions Asia Pacific A A Goodwill [Line Items] A A Goodwill \$ 1,227 Accumulated impairment loss A 0 Goodwill [Roll Forward] A A Balance at beginning of period 1,227 A Foreign currency translation (84) A Balance at end of period 1,143 A Global Products A A Goodwill [Line Items] A A Goodwill \$ 4,604 Accumulated impairment loss A \$ (259) Goodwill [Roll Forward] A A Balance at beginning of period 4,345 A Foreign currency translation (81) A Balance at end of period 4,264 A X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49>Reference 2: <http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24>Reference 3: [http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100](http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100)Reference 4: <http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10>Reference 5: [http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(15\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 6: <http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1>Reference 7: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1)Reference 8: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(h\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.9-03\(10\)\(1\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1) + Details Name: us-gaap Goodwill Namespace Prefix: us-gaap Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionAmount of foreign currency translation gain (loss) which increases (decreases) asset representing future economic benefit from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(f\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1) + Details Name: us-gaap GoodwillForeignCurrencyTranslationGainLoss





<https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference> 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-50-5Reference> 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 4D -Subparagraph (c)(2) -SubTopic 20 -Topic 860 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481326/860-20-50-4D> + Details Name: us-gaap\_DerivativeFairValueOfDerivativeAsset Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value, before effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4B -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480434/815-10-50-4BReference> 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4B -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480434/815-10-50-4BReference> 3: <http://www.xbrl.org/2003/role/exampleRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-22Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference> 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-7Reference> 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 4D -Subparagraph (c)(2) -SubTopic 20 -Topic 860 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481326/860-20-50-4D> + Details Name: us-gaap\_DerivativeFairValueOfDerivativeLiability Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480237/815-40-50-5> + Details Name: us-gaap\_DerivativeLineItems Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap\_HedgingDesignationAxis=us-gaap\_HedgingDesignationAxis=us-gaap\_DesignatedAsHedgingInstrumentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_HedgingDesignationAxis=us-gaap\_NondesignatedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_BalanceSheetLocationAxis=us-gaap\_OtherCurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_DerivativeInstrumentRiskAxis=us-gaap\_ForeignExchangeContractMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_DerivativeInstrumentRiskAxis=us-gaap\_InterestRateSwapMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_BalanceSheetLocationAxis=us-gaap\_OtherCurrentLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_DerivativeInstrumentRiskAxis=us-gaap\_CommodityContractMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_BalanceSheetLocationAxis=us-gaap\_LongTermDebtMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_DerivativeInstrumentRiskAxis=jci\_ForeignCurrencyDenominatedDebtMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 75 R65.htm IDEA: XBRL DOCUMENT v3.25.0.1 Derivative Instruments and Hedging Activities - Offsetting Assets and Liabilities (Details) - USD (\$) \$ in Millions Dec. 31, 2024 Sep. 30, 2024 Fair Value of Assets A Gross amount recognized \$ 42 \$ 22 Gross amount eligible for offsetting (14) (12) Net amount 28 10 Fair Value of Liabilities A A Gross amount recognized 3,802 3,450 Gross amount eligible for offsetting (14) (12) Net amount \$ 3,788 \$ 3,438 X - DefinitionFair value, after the effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets not subject to a master netting arrangement and not elected to be offset. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 103 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482078/820-10-55-103Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference> 3: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 4: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 5: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-12Reference> 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 11: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 55 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477439/946-210-55-1Reference> 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(4) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference> 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference> 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference> 18: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference> 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 20: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference> 21: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (SX 210.6-04)(3)(c) -Publisher FASB -URI <https://asc.fasb.org/1943274/214747721/946-320-50-59-5Reference> 22: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 5A -Subparagraph (SX 210.12-13A)(Column E)) -Publisher FASB -URI <https://asc.fasb.org/1943274/214747721/946-320-50-59-5AReference> 27: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (SX 210.12-13B)(Column E)) -Publisher FASB -URI <https://asc.fasb.org/1943274/214747721/946-320-50-59-5BReference> 28: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (SX 210.12-13B)(Column E)) -Publisher FASB -URI <https://asc.fasb.org/1943274/214747721/946-320-50-59-5BReference> 29: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference> 30: <http://www.xbrl.org/2003/role/exampleRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-22Reference> 31: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-10Reference> 32: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482907/825-10-50-10> + Details Name: us-gaap\_DerivativeAssets Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_DerivativeAssetsAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value, before effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets elected not to be offset. Excludes assets not subject to a master netting arrangement. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4B -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480434/815-10-50-4BReference> 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 55 -Paragraph 9 -SubTopic 20 -Topic 210 -Name Accounting Standards Codification -Section 55 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-2Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference> 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-7Reference> 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 4D -Subparagraph (c)(2) -SubTopic 20 -Topic 860 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481326/860-20-50-4D> + Details Name: us-gaap\_DerivativeFairValueOfDerivativeAsset Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value, before effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 55 -Paragraph 9 -SubTopic 20 -Topic 210 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-9Reference> 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -SubTopic 20 -Topic 210 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference> 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 55 -Paragraph 10 -SubTopic 20 -Topic 210 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483444/210-20-55-10Reference> 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 8 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480434/815-10-50-8> + Details Name: us-gaap\_DerivativeFairValueOfDerivativeLiabilityAmountNotOffsetAgainstCollateral Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFair value, after the effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities not subject to a master netting arrangement and not elected to be offset. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) (i) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference> 2: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 820 -SubTopic 10 -Name Accounting





Period Type: instant X - Definition:Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 5-Subparagraph \(f\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480237/815-40-50-5](http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 5-Subparagraph (f)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480237/815-40-50-5) + Details Name: us-gaap DerivativeLineItems Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap FairValueByFairValueHierarchyLevelAxis=us-gaap FairValueInputsLevel1Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap FairValueByFairValueHierarchyLevelAxis=us-gaap FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 80 170.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair Value Measurements - Fair Value of Long-Term Debt (Details) - USD (\$ (\$ in Billions Dec. 31, 2024 Sep. 30, 2024 Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] A A Fair value of long term debt \$ 8.6 \$ 8.3 Public debt A A Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] A A Fair value of long term debt 8.4 8.1 Other long-term debt A A Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] A A Fair value of long term debt 0.2 \$ 0.2 X - Definition:Fair value portion of debt instrument payable, including, but not limited to, notes payable and loans payable. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2E-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2E>Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2)Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 69C-Publisher FASB-URI https://asc.fasb.org/1943274/2147481568/470-20-55-69C](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (bbb)(2)(i)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (bbb)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (bbb)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 69B-Publisher FASB-URI https://asc.fasb.org/1943274/2147481568/470-20-55-69B)Reference 7: <http://www.xbrl.org/2003/role/exampleRef-Topic 470-SubTopic 20-Name Accounting Standards Codification-Section 55-Paragraph 69C-Publisher FASB-URI https://asc.fasb.org/1943274/2147481568/470-20-55-69C>Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Topic 825-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 10-Publisher FASB-URI https://asc.fasb.org/1943274/2147482907/825-10-50-10](http://www.xbrl.org/2003/role/disclosureRef-Topic 470-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1D-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D) + Details Name: us-gaap DebtInstrumentFairValue Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition:Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 100-Publisher FASB-URI https://asc.fasb.org/1943274/2147482078/820-10-55-100>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-3) + Details Name: us-gaap FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap FairValueByFairValueHierarchyLevelAxis=us-gaap FairValueInputsLevel1Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap FairValueByFairValueHierarchyLevelAxis=us-gaap FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 81 171.htm IDEA: XBRL DOCUMENT v3.25.0.1 Earnings Per Share (Details) - USD (\$) shares in Millions, \$ in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Income Available to Ordinary Shareholders A A Discontinued operations \$ 56 \$ 34 Continuing operations 363 340 Net income attributable to Johnson Controls \$ 419 \$ 374 Weighted Average Shares Outstanding A A Basic weighted average shares outstanding (in shares) 662.0 680.7 Effect of dilutive securities: A A Stock options, unvested restricted stock and unvested performance share awards (in shares) 3.0 1.7 Diluted weighted average shares outstanding (in shares) 665.0 682.4 Antidilutive Securities A A Stock options and unvested restricted stock (in shares) 0.0 0.6 X - Definition:Antidilutive securities. + ReferencesNo definition available. + Details Name: jci AntidilutiveSecuritiesAbstract Namespace Prefix: jci\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition:Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1) + Details Name: us-gaap AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap DilutiveSecuritiesAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Definition:Amount after tax of income (loss) from continuing operations attributable to the parent. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(g\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147476176/805-60-65-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (g)-Publisher FASB-URI https://asc.fasb.org/1943274/2147476176/805-60-65-1)Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph \(SX 210.5-03\(13\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(13))-Publisher FASB-URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 7: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-4>Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 60B-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B](http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 10-Name Accounting Standards Codification-Section 45-Paragraph 60B-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B)Reference 10: <http://fasb.org/us-gaap/role/ref/legacyRef-Topic 230-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 28-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-28>Reference 11: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 810-SubTopic 10-Section 45-Paragraph 18-Publisher FASB-URI https://asc.fasb.org/1943274/2147481231/810-10-45-18> + Details Name: us-gaap IncomeLossFromContinuingOperations Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Definition:Amount after tax of income (loss) from a discontinued operation attributable to the parent. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 810-SubTopic 10-Section 45-Paragraph 19-Publisher FASB-URI https://asc.fasb.org/1943274/2147481231/810-10-45-19>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 3A-Publisher FASB-URI https://asc.fasb.org/1943274/2147483475/205-20-45-3A>Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 5B-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-5B](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 5B-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-5B)Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 5C-Subparagraph \(b\)\(2\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-5C](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 5C-Subparagraph (b)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-5C)Reference 5: <http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 3B-Publisher FASB-URI https://asc.fasb.org/1943274/2147483475/205-20-45-3B>Reference 6: <http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 4-Publisher FASB-URI https://asc.fasb.org/1943274/2147483475/205-20-45-4>Reference 7: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483499/205-20-50-1)Reference 8: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 3-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483475/205-20-45-3](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 205-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 3-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483475/205-20-45-3) + Details Name: us-gaap IncomeLossFromDiscontinuedOperationsNetOfTaxAttributableToReportingEntity Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Definition:Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 718-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147480454/718-10-45-1>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 22-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-22>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 23-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-23](http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 23-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-23)Reference 5: <http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 28A-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-28A> + Details Name: us-gaap IncrementalCommonSharesAttributableToShareBasedPaymentArrangements Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Definition:The portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 9-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-9>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(g\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147476176/805-60-65-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 805-SubTopic 60-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (g)-Publisher FASB-URI https://asc.fasb.org/1943274/2147476176/805-60-65-1)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 323-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph \(g\)\(3\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478666/740-323-65-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 323-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph (g)(3)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478666/740-323-65-2)Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph \(SX 210.5-03\(20\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(20))-Publisher FASB-URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.4-08\(g\)\(1\)\(iii\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.4-08(g)(1)(iii))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Topic 323-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481687/323-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 323-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481687/323-10-50-3)Reference 8: [http://www.xbrl.org/2003/role/disclosureRef-Topic 825-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 28-Subparagraph \(f\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482907/825-10-50-28](http://www.xbrl.org/2003/role/disclosureRef-Topic 825-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 28-Subparagraph (f)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482907/825-10-50-28)Reference 9: <http://www.xbrl.org/2003/role/disclosureRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 6-Publisher FASB-URI https://asc.fasb.org/1943274/2147482765/220-10-50-6>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph \(b\)\(2\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph (b)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph \(f\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480175/815-40-65-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 815-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 1-Subparagraph (f)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480175/815-40-65-1)Reference 13: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 8-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-8>Reference 14: [http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 15: [http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 11-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 16: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Publisher FASB-URI https://asc.fasb.org/1943274/2147483443/250-10-50-4>Reference 17: <http://www.xbrl.org/2003/role/exampleRef-Topic 946-SubTopic 830-Name Accounting Standards Codification-Section 55-Paragraph 10-Publisher FASB-URI https://asc.fasb.org/1943274/2147479168/946-830-55-10>Reference 18: <http://www.xbrl.org/2003/role/disclosureRef-Topic 946-SubTopic 220-Name Accounting Standards Codification-Section 45-Paragraph 7-Publisher FASB-URI https://asc.fasb.org/1943274/2147479105/946-220-45-7>Reference 19: [http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.7-04\(18\)\)-Publisher FASB-URI https://asc.fasb.org/194](http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 220-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.7-04(18))-Publisher FASB-URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)

[http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iii\)\(B\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31): [http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(5\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32](http://www.xbrl.org/2003/role/disclosureRef-Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32): [http://www.xbrl.org/2003/role/disclosureRef-Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33](http://www.xbrl.org/2003/role/disclosureRef-Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33): <http://www.xbrl.org/2003/role/disclosureRef-Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34>: <http://fasb.org/us-gaap/role/ref/legacyRef-Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36](http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36): [http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37](http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37):



À Restructuring Cost and Reserve [Line Items] À Restructuring costs and asset impairment charges 2 À Global Products | Current Restructuring Plans À Restructuring Cost and Reserve [Line Items] À Restructuring costs and asset impairment charges 9 À Corporate | Current Restructuring Plans À Restructuring Cost and Reserve [Line Items] À Restructuring costs and asset impairment charges \$ 5 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1:

gaap\_NumberOfReportableSegments Namespace Prefix: us-gaap\_Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_SegmentReportingDisclosureOfEntitiesReportableSegmentsAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 89 R79.htm IDEA: XBRL DOCUMENT v3.25.0.1 Segment Information - Financial Information Related to Company's Reportable Segments (Details) - USD (\$) in Millions 3 Months Ended Dec. 31, 2023 Dec. 31, 2023 Segment Reporting Information [Line Items] A Total net sales \$ 5,426 \$ 5,209 Total segment EBITA 815 678 Corporate expenses 171 139 Amortization of intangible assets 120 119 Restructuring and impairment costs 33 35 Water systems AFFR insurance recoveries (4) 0 Net mark-to-market losses (gains) 1 (22) Net financing charges 86 87 Income from continuing operations before income taxes 408 320 Building Solutions North America A Segment Reporting Information [Line Items] A Total net sales 2,744 2,487 Total segment EBITA 332 285 Building Solutions EMEA/LA A Segment Reporting Information [Line Items] A Total net sales 527 507 Total segment EBITA 49 46 Global Products A Segment Reporting Information [Line Items] A Total net sales 1,082 1,177 Total segment EBITA \$ 326 \$ 267 X - DefinitionEquity Securities, FV-NI, Unrealized Gain (Loss) Restricted + ReferencesNo definition available. + Details Name: jci\_EquitySecuritiesFVNIUnrealizedGainLossRestricted Namespace Prefix: jci\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionGeneral expenses recorded at the Corporate segment. + ReferencesNo definition available. + Details Name: jci\_GeneralCorporateExpenses Namespace Prefix: jci\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNet financing charges includes interest expense, interest income, bank fees and amortization of debt issuance costs. + ReferencesNo definition available. + Details Name: jci\_NetFinancingCharges Namespace Prefix: jci\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of income or loss from continuing operations before income taxes and noncontrolling interests, excluding general corporate expenses, intangible asset amortization, net financing charges, significant restructuring and impairment costs, and net mark-to-market adjustments on pension and postretirement plans. + ReferencesNo definition available. + Details Name: jci\_SegmentEBITANamespace Prefix: jci\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1:































assets attributable to disposal group held for sale or disposed of." } } , "auth\_ref": [ "r1", "r82", "r96", "r147", "r195", "r196" ] } } , "us-gaap\_AssetsOfDisposalGroupIncludingDiscontinuedOperationCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsOfDisposalGroupIncludingDiscontinuedOperationCurrent", "crdr": "debit", "calculation": { "http://www.johnsoncontrols.com/role/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsSummaryofAssetsandLiabilitiesHeldforSaleDetails": { "parentTag": "us-gaap\_AssetsOfDisposalGroupIncludingDiscontinuedOperation", "weight": 1.0, "order": 1.0 } , "http://www.johnsoncontrols.com/role/ConsolidatedStatementsofFinancialPosition": { "parentTag": "us-gaap\_AssetsCurrent", "weight": 1.0, "order": 5.0 } } , "presentation": [ "http://www.johnsoncontrols.com/role/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsSummaryofAssetsandLiabilitiesHeldforSaleDetails", 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Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. 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Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } } , "auth ref": [ "r0", "r140" ] } } , "us-gaap\_CashFlowHedgingMember": { "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashFlowHedgingMember", "presentation": { "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesLocationandAmountofGainsandLossesonDerivativeInstrumentsandRelatedHedgeItemsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Cash Flow Hedging", "label": "Cash Flow Hedging [Member]", "documentation": "Hedge of the exposure to variability in the cash flows of a recognized asset or liability, or of a forecasted transaction, that is attributable to a particular risk." } } } , "auth ref": [ "r64" ] } } , "us-gaap\_CashProvidedByUsedInFinancingActivitiesDiscontinuedOperations": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashProvidedByUsedInFinancingActivitiesDiscontinuedOperations", "crdr": "debit", "calculation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap\_NetCashProvidedByUsedInDiscontinuedOperations", "weight": 1.0, "order": 1.0 } } , "presentation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "terseLabel": "Cash used by financing activities", "label": "Cash Provided by (Used in) Financing Activities, Discontinued Operations", "documentation": "Amount of cash inflow (outflow) of financing activities of discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } } , "auth ref": [ "r140" ] } } , "us-gaap\_CashProvidedByUsedInInvestingActivitiesDiscontinuedOperations": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashProvidedByUsedInInvestingActivitiesDiscontinuedOperations", "crdr": "debit", "calculation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap\_NetCashProvidedByUsedInDiscontinuedOperations", "weight": 1.0, "order": 3.0 } } , "presentation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows": { "lang": { "en-us": { "role": { "terseLabel": "Cash used by investing activities", "label": "Cash Provided by (Used in) Investing Activities, Discontinued Operations", "documentation": "Amount of cash inflow (outflow) of investing activities of discontinued operations. 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Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } } , "auth ref": [ "r113", "r818", "r1069" ] } } , "ecd\_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]", "documentation": "Compensation Actually Paid vs. Net Income [Text Block]", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]", "documentation": "Compensation Actually Paid vs. Other Measure [Text Block]", "presentation": { "http://xbrl.sec.gov/ecd/2024", "localname": "Compensation Actually Paid vs. Other Measure TextBlock", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid vs. Other Measure [Text Block]", "documentation": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]", "presentation": { "http://xbrl.sec.gov/ecd/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]", "documentation": "Compensation And Retirement Disclosure Abstract", "presentation": { "http://www.johnsoncontrols.com/role/CompensationAndRetirementDisclosureAbstract": { "xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CompensationAndRetirementDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Retirement Benefits [Abstract]", "label": "Retirement Benefits [Abstract]", "documentation": "Retirement benefits attributable to noncontrolling interest." } } } , "auth ref": [ ] } } , "us-gaap\_ComprehensiveIncomeNetOfTax": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": null, "weight": null, "order": null, "root": true } } , "presentation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "totalLabel": "Comprehensive income attributable to Johnson Controls", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners." } } } , "auth ref": [ "r29", "r221", "r223", "r230", "r809", "r832", "r834" ] } } , "us-gaap\_ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest", "crdr": "debit", "calculation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "parentTag": "us-gaap\_ComprehensiveIncomeNetOfTax", "weight": -1.0, "order": 1.0 } } , "presentation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfComprehensiveIncome": { "lang": { "en-us": { "role": { "totalLabel": "Comprehensive income attributable to



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This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing." } } }, "auth\_ref": [ "r144", "r998" ] }, "us-gaap InvestmentsFairValueDisclosure": { "xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InvestmentsFairValueDisclosure", "crdr": "debit", "calculation": { "http://www.johnsoncontrols.com/role/FairValueMeasurementsAssetsandLiabilitiesMeasuredatFairValueDetails": { "parentTag": "us-gaap AssetsFairValueDisclosure", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.johnsoncontrols.com/role/FairValueMeasurementsAssetsandLiabilitiesMeasuredatFairValueDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investments in marketable common stock", "label": "Investments, Fair Value Disclosure", "documentation": "Fair value portion of investment securities, including, but not limited to, marketable securities, derivative financial instruments, and investments accounted for under the equity method." } } }, "auth\_ref": [ "r1310", "r1311", "r1321" ] }, "jci JohnsonControlsHitachiAirConditioningHoldingUKLtdMember": { "xbrlType": "domainItemType", "nsuri": "http://www.johnsoncontrols.com/20241231", "localname": "JohnsonControlsHitachiAirConditioningHoldingUKLtdMember", "presentation": { "http://www.johnsoncontrols.com/role/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsNarrativeDetails": { "http://www.johnsoncontrols.com/role/BasisofPresentationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd", "label": "Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd [Member]", "documentation": "Johnson Controls - Hitachi Air Conditioning Holding (UK) Ltd" } } }, "auth\_ref": [ ] }, "jci JohnsonControlsInternationalPLCAndHitachiGlobalLifeSolutionsInc.Member": { "xbrlType": "domainItemType", "nsuri": "http://www.johnsoncontrols.com/20241231", "localname": "JohnsonControlsInternationalPLCAndHitachiGlobalLifeSolutionsInc.Member", "presentation": { "http://www.johnsoncontrols.com/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Johnson Controls International PLC And Hitachi Global Life Solutions, Inc.", "label": "Johnson Controls International PLC And Hitachi Global Life Solutions, Inc. 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These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth\_ref": [ "r24", "r39", "r1269", "r1270", "r1271" ] }, "us-gaap\_LossContingenciesByNatureOfContingencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesByNatureOfContingencyAxis", "presentation": [ "http://www.johnsoncontrols.com/role/CommitmentsandContingenciesScheduleofLossContingenciesbyContingencyDetails" ] }, "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Nature [Axis]", "label": "Loss Contingency Nature [Axis]", "documentation": "Information by type of existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur." } } }, "auth\_ref": [ "r424", "r425", "r426", "r431", "r624", "r868", "r1025", "r1277", "r1279" ] }, "us-gaap\_LossContingenciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesLineItems", "presentation": [ "http://www.johnsoncontrols.com/role/CommitmentsandContingenciesNarrativeDetails" ] }, "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies [Line Items]", "label": "Loss Contingencies [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Resolution of the uncertainty may confirm the incurrence of a loss or impairment of an asset or the incurrence of a liability." } } }, "auth\_ref": [ "r424", "r425", "r426", "r431", "r624", "r868", "r1025", "r1277", "r1279" ] }, "us-gaap\_LossContingencyNumberOfDefendants": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNumberOfDefendants", "presentation": [ "http://www.johnsoncontrols.com/role/CommitmentsandContingenciesNarrativeDetails" ] }, "lang": { "en-us": { "role": { "terseLabel": "Loss contingency number of defendants", "label": "Loss Contingency, Number of Defendants", "documentation": "Number of defendants named in a legal action." } } }, "auth\_ref": [ "r1277", "r1279" ] }, "jci\_LossContingencyNumberOfPendingClaimsTransferredToMultiDistrictLitigation": { "xbrltype": "integerItemType", "nsuri": "http://www.johnsoncontrols.com/20241231", "localname": 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Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled." } } }, "auth\_ref": [ "r411", "r412", "r414", "r417", "r421" ] }, "us-gaap\_RestructuringAndRelatedCostExpectedCost1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedCostExpectedCost1", "crdr": "debit", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring costs to be incurred", "label": "Restructuring and Related Cost, Expected Cost", "documentation": "Amount expected to be recognized in earnings for the specified restructuring cost." } } }, "auth\_ref": [ "r413", "r416", "r418", "r420" ] }, "us-gaap\_RestructuringCostAndReserveAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCostAndReserveAxis", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsScheduleOfRestructuringReservebyTypeofCostDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Type [Axis]", "label": "Restructuring Type [Axis]", "documentation": "Information by type of restructuring cost." } } }, "auth\_ref": [ "r413", "r414", "r418", "r419" ] }, "us-gaap\_RestructuringCostAndReserveLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCostAndReserveLineItems", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsNarrativeDetails", "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsScheduleOfRestructuringReservebySegmentDetails", "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsScheduleOfRestructuringReservebyTypeofCostDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Cost and Reserve [Line Items]", "label": "Restructuring Cost and Reserve [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Includes, but is not limited to, defined benefit and defined contribution plans." } } }, "auth\_ref": [ "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r1292", "r1293", "r1294" ] }, "us-gaap\_RetirementPlanTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanTypeAxis", "presentation": { "http://www.johnsoncontrols.com/role/PensionandPostretirementPlansComponentsofNetPeriodicBenefitCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Retirement Plan Type [Axis]", "label": "Retirement Plan Type [Axis]", "documentation": "Information by type of retirement benefit plan. Includes, but is not limited to, retirement benefit arrangement for defined benefit pension and other postretirement plans, retirement benefit arrangement for defined contribution pension and other postretirement plans, and special and contractual termination benefits payable upon retirement." } } }, "auth\_ref": [ "r518", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r1292", "r1293", "r1294" ] }, "us-gaap\_RetirementPlanTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetirementPlanTypeDomain", "presentation": { "http://www.johnsoncontrols.com/role/PensionandPostretirementPlansComponentsofNetPeriodicBenefitCostDetails": { "lang": { "en-us": { "role": { "terseLabel": "Retirement Plan Type [Domain]", "label": "Retirement Plan Type [Domain]", "documentation": "Type of plan designed to provide participants with retirement benefits. Includes, but is not limited to, retirement benefit arrangement for defined benefit pension and other postretirement plans, retirement benefit arrangement for defined contribution pension and other postretirement plans, and special and contractual termination benefits payable upon retirement." } } }, "auth\_ref": [ "r518", "r521", "r522", "r523", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r588", "r1292", "r1293", "r1294" ] }, "us-gaap\_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contract with Customer [Abstract]", "label": "Revenue from Contract with Customer [Abstract]", "documentation": "Revenue from Contract with Customer [Abstract]" } } }, "auth\_ref": [ ] }, "us-gaap\_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsofIncome": { "parentTag": "us-gaap\_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.johnsoncontrols.com/role/ConsolidatedStatementsofIncome": "http://www.johnsoncontrols.com/role/RevenueRecognitionDisaggregationRevenueDetails", "http://www.johnsoncontrols.com/role/SegmentInformationFinancialInformationRelatedtoCompanysReportableSegmentsDetails": { "lang": { "en-us": { "role": { "verboseLabel": "Net sales", "terseLabel": "Total", "netLabel": "Total net sales", "label": "Revenue from Contract with Customer, Excluding Assessed Tax", "documentation": "Amount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise." } } }, "auth\_ref": [ "r177", "r178", "r277", "r286", "r287", "r301", "r307", "r310", "r312", "r314", "r512", "r513", "r768" ] }, "us-gaap\_RevenueFromContractWithCustomerPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/BasisofPresentationPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Revenue Recognition", "label": "Revenue from Contract with Customer [Policy Text Block]", "documentation": "Disclosure of accounting policy for revenue from contract with customer." } } }, "auth\_ref": [ "r189", "r504", "r505", "r506", "r507", "r508", "r509", "r510", "r511", "r991" ] }, "us-gaap\_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/RevenueRecognition": { "lang": { "en-us": { "role": { "terseLabel": "Revenue Recognition", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth\_ref": [ "r189", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r503", "r516" ] }, "us-gaap\_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": { "http://www.johnsoncontrols.com/role/RevenueRecognitionNarrativeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Revenue, remaining performance obligation amount", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth\_ref": [ "r183" ] }, "us-gaap\_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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performance obligation to total remaining performance obligation not recognized as revenue." } } }, "auth\_ref": [ "r1196" ] }, "us-gaap\_RevolvingCreditFacilityMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevolvingCreditFacilityMember", "presentation": { "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails": { "lang": { "en-us": { "role": { "terseLabel": "Revolving Credit Facility", "label": "Revolving Credit Facility [Member]", "documentation": "Arrangement in which loan proceeds can continuously be obtained following repayments, but the total amount borrowed cannot exceed a specified maximum amount." } } }, "auth\_ref": [ ] }, "us-gaap\_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crdr": "debit", "presentation": { 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"presentation": { "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements": { "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]", "documentation": "Terminated [Flag]" } } }, "auth\_ref": [ "r1177" ] }, "us-gaap\_ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/AccumulatedOtherComprehensiveIncomeLossTables": { "lang": { "en-us": { "role": { "terseLabel": "Changes in Accumulated Other Comprehensive Income, Net of Tax", "label": "Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the components of accumulated other comprehensive income (loss)." } } }, "auth\_ref": [ "r28", "r1326", "r1327" ] }, "us-gaap\_ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCarryingValuesAndEstimatedFairValuesOfDebtInstrumentsTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/FairValueMeasurementsTables": { "lang": { "en-us": { "role": { "terseLabel": "Fair Value of Long-Term Debt", "label": "Schedule of Carrying Values and Estimated Fair Values of Debt Instruments [Table Text Block]", "documentation": "Tabular disclosure of information pertaining to carrying amount and estimated fair value of short-term and long-term debt instruments or arrangements, including but not limited to, identification of terms, features, and collateral requirements." } } }, "auth\_ref": [ ] }, "us-gaap\_ScheduleOfDefinedBenefitPlansDisclosuresTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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It may be appropriate to group certain similar plans. Also includes schedule for fair value of plan assets by major categories of plan assets by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth\_ref": [ "r14", "r42", "r43", "r44", "r45" ] }, "us-gaap\_ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesTables": { "lang": { "en-us": { "role": { "terseLabel": "Location and Amount of Gains and Losses Gross of Tax on Derivative Instruments and Related Hedge Items", "label": "Derivative Instruments, Gain (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments." } } }, "auth\_ref": [ "r68", "r71", "r677" ] }, "us-gaap\_ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsInStatementOfFinancialPositionFairValueTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesTables": { "lang": { "en-us": { "role": { "terseLabel": "Location and Fair Values of Derivative Instruments and Hedging Activities", "label": "Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block]", "documentation": "Tabular disclosure of the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position." } } }, "auth\_ref": [ "r69" ] }, "us-gaap\_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsTables": { "lang": { "en-us": { "role": { "terseLabel": "Disposal Groups, Including Discontinued Operations", "label": "Disposal Groups, Including Discontinued Operations [Table Text Block]", "documentation": "Tabular disclosure of information related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component." } } }, "auth\_ref": [ "r13", "r18", "r25", "r82", "r88", "r89", "r90", "r91", "r92", "r97", "r99", "r100", "r148" ] }, "us-gaap\_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/EarningsPerShareTables": { "lang": { "en-us": { "role": { "terseLabel": "Earnings Per Share", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth\_ref": [ "r1229" ] }, "us-gaap\_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis", "presentation": { "http://www.johnsoncontrols.com/role/AssetsandLiabilitiesHeldforSaleandDiscontinuedOperationsNarrativeDetails": "http://www.johnsoncontrols.com/role/BasisofPresentationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Axis]", "label": "Investment, Name [Axis]", "documentation": "Investment, Name [Axis]" } } }, "auth\_ref": [ "r349", "r350", "r351", "r654", "r1191", "r1192", "r1193", "r1298", "r1299", "r1300", "r1301" ] }, "us-gaap\_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/FairValueMeasurementsTables": { "lang": { "en-us": { "role": { "terseLabel": "Assets and Liabilities Measured at Fair Value", "label": "Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets and liabilities, including financial instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth\_ref": [ "r1310", "r1311" ] }, "us-gaap\_ScheduleOfGoodwillTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTable", "presentation": { "http://www.johnsoncontrols.com/role/GoodwillandOtherIntangibleAssetsChangesinCarryingAmountofGoodwillDetails": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Goodwill [Table]", "label": "Goodwill [Table]", "documentation": "Disclosure of information about goodwill, including, but not limited to, change from acquisition, sale, impairment, and other reason." } } }, "auth\_ref": [ "r371", "r372", "r373", "r374", "r375", "r376", "r377", "r378", "r379", "r380", "r381", "r1016" ] }, "us-gaap\_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTextBlock", "presentation": { "http://www.johnsoncontrols.com/role/GoodwillandOtherIntangibleAssetsTables": { "lang": { "en-us": { "role": { "terseLabel": "Changes in Carrying Amount of Goodwill", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollover schedule." } } }, "auth\_ref": [ "r1016", "r1246",

"r1247": "r1248", "r1249", "r1250", "r1251", "r1252", "r1253", "r1254", "r1255", "r1256" ], "jci ScheduleOfIntangibleAssetsTableTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.johnsoncontrols.com/20241231", "localname": "ScheduleOfIntangibleAssetsTableTableTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/GoodwillandOtherIntangibleAssetsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Other Intangible Assets", "label": "Schedule Of Intangible Assets Table [Table Text Block]", "documentation": "Tabular disclosure of amortizable and nonamortizable intangible assets other than goodwill, in total and by major class, including the gross carrying amount and accumulated amortization. A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company. } } }, "auth\_ref": [ ] }, "us-gaap ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/InventoriesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. } } }, "auth\_ref": [ "r26", "r119", "r120", "r121" ] }, "us-gaap ScheduleOfLossContingenciesByContingencyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", 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components of net benefit costs for pension plans and/or other employee benefit plans including service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) recognized due to settlements or curtailments. } } }, "auth\_ref": [ "r156" ] }, "us-gaap ScheduleOfNetInvestmentHedgesInAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNetInvestmentHedgesInAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Pre-tax Gains (Losses) on Net Investment Hedges Recorded as Foreign CTA in OCI", "label": "Schedule of Net Investment Hedges in Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the effective portion of gains and losses on derivative instruments (and nonderivative instruments) designated and qualifying in net investment hedges recorded in accumulated other comprehensive income (loss) during the term of the hedging relationship and reclassified into earnings during the current period. } } }, "auth\_ref": [ "r1307" ] }, "us-gaap ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Notional Amounts of Outstanding Derivative Positions", "label": "Schedule of Notional Amounts of Outstanding Derivative Positions [Table Text Block]", "documentation": "Tabular disclosure of the notional amounts of outstanding derivative 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adjustments related to changes in estimates), and the ending balance of the aggregate product warranty liability. } } }, "auth\_ref": [ "r440" ] }, "us-gaap ScheduleOfRestructuringAndRelatedCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringAndRelatedCostsTable", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsNarrativeDetails", "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsScheduleofRestructuringReservebyTypeofCostDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Restructuring and Related Costs", "label": "Restructuring Cost [Table]", "documentation": "Disclosure of information about restructuring cost. Includes, but is not limited to, expected cost, cost incurred, statement of income caption that includes restructuring cost recognized, and amount of restructuring reserve. } } }, "auth\_ref": [ "r413", "r414", "r415", "r416", "r418", "r419", "r420" ] }, "us-gaap ScheduleOfRestructuringAndRelatedCostsTable": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringAndRelatedCostsTable", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Restructuring and Related Costs", "label": "Restructuring and Related Costs [Table Text Block]", "documentation": "Tabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets. } } }, "auth\_ref": [ "r37", "r149", "r150" ] }, "us-gaap ScheduleOfRestructuringReserveByTypeOfCostTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringReserveByTypeOfCostTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/RestructuringandRelatedCostsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Restructuring Reserve by Type of Cost", "label": "Schedule of Restructuring Reserve by Type of Cost [Table Text Block]", "documentation": "Tabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period. } } }, "auth\_ref": [ "r38", "r151" ] }, "us-gaap ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": [ "http://www.johnsoncontrols.com/role/SegmentInformationFinancialInformationRelatedtoCompanysReportableSegmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Segment Reporting Information, by Segment", "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment. } } }, "auth\_ref": [ "r32", "r33", "r34" ] }, "us-gaap ScheduleOfSegmentReportingInformationBySegmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/SegmentInformationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Financial Information Related to Company's Reportable Segments", "label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss. } } }, "auth\_ref": [ "r32", "r33", "r34" ] }, "us-gaap ScheduleOfShortTermDebtTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShortTermDebtTable", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Short-Term Debt", "label": "Short-Term Debt [Table]", "documentation": "Disclosure of information about short-term debt arrangement. Includes, but is not limited to, description of arrangement, lender, repayment term, weighted-average interest rate, borrowed amount, and description and amount of refinancing of short-term obligation when obligation is excluded from current liability. } } }, "auth\_ref": [ "r103" ] }, "us-gaap ScheduleOfShortTermDebtTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShortTermDebtTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Short-Term Debt", "label": "Schedule of Short-Term Debt [Table Text Block]", "documentation": "Tabular disclosure of short-term debt arrangements (having initial terms of repayment within one year or the normal operating cycle, if longer) including: (1) description of the short-term debt arrangement; (2) identification of the lender or type of lender; (3) repayment terms; (4) weighted average interest rate; (5) carrying amount of funds borrowed under the specified short-term debt arrangement as of the balance sheet date; (6) description of the refinancing of a short-term obligation when that obligation is excluded from current liabilities in the balance sheet; and (7) amount of a short-term obligation that has been excluded from current liabilities in the balance sheet because of a refinancing of the obligation. } } }, "auth\_ref": [ "r103" ] }, "dei Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": [ "http://www.johnsoncontrols.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security. } } }, "auth\_ref": [ "r1102" ] }, "dei SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": 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"Components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity. } } }, "auth\_ref": [ "r177", "r178", "r179", "r180", "r277", "r282", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r294", "r295", "r296", "r298", "r299", "r300", "r301", "r302", "r303", "r304", "r305", "r307", "r308", "r309", "r314", "r371", "r372", "r373", "r374", "r375", "r376", "r377", "r378", "r379", "r394", "r416", "r420", "r838", "r839", "r840", "r841", "r842", "r843", "r844", "r845", "r846", "r847", "r848", "r1006", "r1009", "r1010", "r1016", "r1083", "r1345", "r1351", "r1352", "r1353", "r1354", "r1355", "r1356", "r1357", "r1358", "r1359", "r1360", "r1361", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367", "r1368", "r1369", "r1370", "r1371", "r1372", "r1373", "r1374", "r1375", "r1376", "r1377", "r1378" ] }, "jci SegmentEBITA": { "xbrltype": "monetaryItemType", "nsuri": 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Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. } } }, "auth\_ref": [ "r180", "r277", "r281", "r282", "r283", "r284", "r285", "r297", "r299", "r300", "r305", "r306", "r307", "r308", "r309", "r310", "r311", "r314", "r1005", "r1007", "r1008", "r1009", "r1011", "r1012", "r1013" ] }, "us-gaap SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": [ "http://www.johnsoncontrols.com/role/SegmentInformationFinancialInformationRelatedtoCompanysReportableSegmentsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting Information [Line Items]", "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. } } }, "auth\_ref": [ "r138" ] }, "us-gaap SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": [ "http://www.johnsoncontrols.com/role/CommitmentsandContingenciesNarrativeDetails", "http://www.johnsoncontrols.com/role/DerivativeInstrumentsandHedgingActivitiesLocationandAmountofGainsandLossesonDerivativeInstrumentsandRelatedHedgeItemsDetails" ], "lang": { "en-

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In the event the issuer goes bankrupt, senior debt holders receive priority for (must receive) repayment prior to (relative to) junior and unsecured (general) creditors." } } }, "auth ref": [ ] }, "us-gaap\_ServiceMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ServiceMember", "presentation": [ "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfIncome" ], "documentation": "Assistance, including, but not limited to, technology, license and maintenance, license and service, maintenance, oil and gas, and financial service." } }, "auth ref": [ "r1032" ], "us-gaap\_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": [ "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows", { "parentTag": "us-gaap\_NetCashProvidedByUsedInOperatingActivitiesContinuingOperations", "weight": 1.0, "order": 13.0 } }, "presentation": [ "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Equity-based compensation", "label": "Share-Based Payment Arrangement, Noncash Expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth ref": [ "r10" ] }, "us-gaap\_ShareBasedCompensationArrangementsByShareBasedPaymentAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardTypeAndPlanNameDomain", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "All Award Types", "label": "Award Type [Domain]", "documentation": "Award under share-based payment arrangement." } } }, "auth ref": [ "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r613", "r614", "r615", "r616", "r617", "r618", "r619", "r620", "r621", "r622", "r623" ] }, "us-gaap\_ShortTermBorrowings": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermBorrowings", "crdr": "credit", "calculation": [ "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfFinancialPosition", { "parentTag": "us-gaap\_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.johnsoncontrols.com/role/ConsolidatedStatementsOfFinancialPosition" ], "documentation": "Reflects the total carrying amount as of the balance sheet date of debt having initial terms less than one year or the normal operating cycle, if longer." } } }, "auth ref": [ "r101", "r167", "r1069", "r1340" ] }, "us-gaap\_ShortTermDebtLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtLineItems", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Short-Term Debt [Line Items]", "label": "Short-Term Debt [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth ref": [ ] }, "us-gaap\_ShortTermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtTypeAxis", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Short-term Debt, Type [Axis]", "label": "Short-Term Debt, Type [Axis]", "documentation": "Information by type of short-term debt arrangement." } } }, "auth ref": [ "r103", "r1269", "r1270", "r1271" ] }, "us-gaap\_ShortTermDebtTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtTypeDomain", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Short-term Debt, Type [Domain]", "label": "Short-Term Debt, Type [Domain]", "documentation": "Type of short-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing." } } }, "auth ref": [ "r101", "r1269", "r1270", "r1271" ] }, "us-gaap\_ShortTermDebtWeightedAverageInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtWeightedAverageInterestRate", "presentation": [ "http://www.johnsoncontrols.com/role/DebtandFinancingArrangementsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted average interest rate on short-term debt outstanding", "label": "Short-Term Debt, Weighted Average Interest Rate, at Point in Time", "documentation": "Weighted average interest rate of short-term debt outstanding calculated at point in time." } } }, "auth ref": [ "r102", "r448" ] }, "us-gaap\_StandardAndExtendedProductWarrantyAccrualForeignCurrencyTranslationGainLoss": { "xbrltype": "monetaryItemType", "nsuri": 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period typically including a description of the examination, the jurisdiction conducting the examination, the tax year(s) under examination, the likelihood of an unfavorable settlement, the range of possible losses, the liability recorded, the increase or decrease in the liability from the prior period, and any penalties and interest that have been recorded. } } } "auth ref": [ "r1296" ] } } } "jci SupplementalBalanceSheetInformationLeasesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.johnsoncontrols.com/20241231", "localname": "SupplementalBalanceSheetInformationLeasesTableTextBlock", "presentation": [ "http://www.johnsoncontrols.com/role/LeasesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Supplemental Balance Sheet Information Leases [Table Text Block]" } } }, "label": "Supplemental Balance Sheet Information Leases [Table Text Block]", "documentation": "Supplemental Balance Sheet Information Leases [Table Text Block]" } } } "auth ref": [ ] } } } 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HRW15.X.<@>O(QZ5<89AIBWHV.H^H^B^9%5.2L6.H^T^@.08@>U^BD^%N@>B+J0.L0.C.1<1=>49S25L+@>R)I2;9 M;22W?>I77H0?#H=I+1^#7#0K0A F9S=>GR<@>6Y6<3BK(N;H.FP9)DB&S\$5 M1\$Q@>+>2>S^T^7^D^W^B^16X<#3YHHO)QWVEN J><2M.J3I1UWP@>91.MHLV7FK^B1E2 I^P1R+5A8Z^K13^S=F2@1+>N.CEH^1)UON^7^XAK?M^B6 M5HP /B1.W3^1^D8/ARW081\$N^F+X^N^E1.8X3^@MO&ID 72^7GBDHL5 M^<#>N87LE^<M^6&1E^X^>D^5J3R^LOSRO=>GRS^Z^@8I.15?&2 3VU>7 M4Q+8+>1UO<=>YFF.PT.^/3LZ3^13TB 4LR5B2MA1.A1\$>1^01U M\$=L&UQ3(ZJ5T)Q6L JH(SD^?M M^/HH.BHD15H36G>ZZ.RC2M^MY9X1(MI?> >IR>=>6&27P<7US.NORI&TIF M7Z^XF28PA+EFFI^HXX1^6W.\$4\$YCA^U^898XE<HLS\$>XNR<>WKG<ORWC^M(C)M^Z+7B +UWUZ2 7YV^U&BS.E21H8Y7I^Y2P\$DYH^V? (K731=E00\$71^M\$>C.WE6/O.OL@P0JIK@VZ^0^XSVL 16&FKI+>@42P(ON2^Z^L+LH M^Z\$^AN^Y^HP 26P^OQO^1+&1.CY.OIDLU^E.6#P&GJRSRH)UOM^1I6M;@1FN.M; <1\$SM.FEBS@>I^VE92ZYA=>#Z>2IM/R^19P0&9B^>B YMK^?FU069^C Z M082(CI.E7^H62G106^NS0L^&2(UPON.TV^KJ1<N92^1D^GKU<X\$FNA M);P^AN^I^ZIU^U>71\$+81S<O172^@R+I+O^X^K6.O<#I^Y1N MCVLZEFRSL^DY+QFXO3^XUUXL(6@&QOO P3X^AR2H0=J1^7Q9^?;FRH;L0 M&E0#> (M1)0D0D6.6/IJPT=>3GAI^Y6<1E7E=WA1M^N132E1&8&B^&1Q&C^I^T^1)MU>@>C7T.ZI^7Y^N\$M^H^D^A^G^S^R6N^ZICL^U^I^A^U^>B^P.FKSNBZ^M^D^A^A^O^9^A^A^H^S^I^K^U^4^H^ M^O&G&X1 P21HN8^0>?>5M3.9MP<=>M+40D4.94RUT^Y^8^O^C^W^<8+S81NP^>7.5%Q#12^ITG8916UH^>B^Y^MIT@I\$Z41^1;7&S^3D^+Y^W^/HIS^B6NDK^ MSV1M(NG&8L WLP3M1\$UO M16^+>422PZ^M.E>19P1BLRLL4FS37(N^G^1^U^>K0 E^U^>W6 9NM^45210C M^P81+D^14NHU^P^S.C.GLEUR;UCL^HA^1=>4UE7 H@X50P42PQ=>LCI^M^JRO MN243Q8)FL>JH&8^>N^TU=AIVDXO10W;N^P^J^V^H^Y^M^+9A2&<7B1PM^>B M^=>J3&V620 H^U.20L^?7^REGZSTJGU7U^/P7@P3^;AS.GPIE>S ^91AW M7AH^&U^1^1UV@>@>U?>L\$N\$D^YB.^9V0WEJ&J>18V.#>A1=PKX8 M^<B&S5B<6\*^&FRPU#@>YK^>JZ&2<4^3 V^>5>OY^2H^V1^VM AA27+P9 M3.X^JGF@>9ZW41^ZU5^QF^A6<=<5V>@>H^A^O\$H&M^K^>A1.OXIE^H^A^@/#(C^PM^8^U^O182M=82^XQO^>T^4>^> M)S^WTF#;H^H^K0=>Y^<7^H^F52E0>?>7^X9R3RM^C(H)6.F8OFD6H1=>C717G@ M^X1^FEON^ZY^I^Y^P^Z^I^B^U3.3^DZXLXP104A&71U^H^G^T^K^9G4(GZ^?1N;M^ME7^13^Q^L^M<=> =16K0LPHTO^H5 /FUW<^K1.16^J^E^E.#98)O^KPD^9 M^>7OFR69^31TFR9>ZQ9M^<1^H^J^H2@2^>9H3KY3Z144LK^PAC MS^8YNO&A.67^PK^>M^>N^? (3@>E.AH18E^MLZ@1)1.L^T.C13^>VEV8^Q PNJE50@>I<I<O^C^D^P^R=>JY4ZV33D.M^K3@.6+>B927^KUIGEAR7(#Z&Y MOW)A&UDWY.HVU^U^F(L^<46^M^T^ 2.1D3@518K3KQ@OM.Q^H^O#M^TMM9#>2W^KH7^L.E^Y<@>FEAE^S85B0F@>G.04B22.0W9>I9^IP^H5^O2F6M MN MKO.J0.B1E&=96R60M.OQW19S08B9Z^3CKI&S; &D22A^#&EX.YR^9F^O MGA8.INW2.H5<E^F98@>N^T^A^R^B^I^6.MA4.KA.H.B.K^W>N^A^E^I^C^G^V^1.MM.A&O^f.S)P^X^<J0.81K^I^L^Y^B^O^R^C^G^L^@>4.90@BTR86.^8Y^R M^O^E.1&F&X.OH.P>@>7I2YCVI(7T1^&HJHPZ!P=0K^ZOA1=NW4^2VERB7D@H^Y6#&+M69UXIPSY.MY&M^5.OX(5SKJ1)=0+X.C734H^?&9^17@>I@>P.1MBS998 MK...B1A<=>@D51A^M9M1J9F.SNOQN^<^>(VUUBO M^>661W3^SSK<4T6^R U^@10U LMMV6&E.5+U^C^P^R^R^2^Z1E7H^@>I(O^>Q^V^M#>.<P>=&JGZ.N4C^TRIF0.PA^7940L.O1Q1 (2^1^L^1%YH2M1JYFX.Q^2BC M^L1.MX.INOCU443^T^SIFHUM6<1K.LB)29^32N=C^8R MH^3P=>1141M2Z^X^YB^H^H^W9^#I7Z1^44H.N^C^R^@>H^P^21V.NJ4S M)5F06L7LHJTJOM^<#>1H283K1.G50K/DID SN=N^H.MM.DIEIRMU5.M^YPO.DB+I03R3.M^S^&R^X<16^5U^>#Y9I93GR323^L=>XV12TH&AK-& M70S^E^7^W^P^Y^S.AD2K5&=<I3L.SK1GR6E^WFR6PCTV^DIFHL^I^@&E.N@N^T^M^A1^I=>S\$90IEA.A.UR^Y^Y^#R99MK>53^FXR>@OIEH1H^ZQ5^HYV)9I1(U< MDE38I^?DISUJHG&FTCT@>D2LC)3/@8BV32S16+G^JRW/DN1?=&M^T2<1 M3V97U;26I?>L>XNLOWM^?P3\$>59KE.XOIH.O2VO TP7EY65M0.2 M2+ M04^V)N3^8A<1H9ZFM3 M1>=>D^B2FUD11^&EGZ72GT5E9C6V^IC1>O MWGXZ^Y13^&T.H^WH(N0.P6D^<UP7^KN\$>L^I7.9?>0<34^VO^HYD) MW.VTC(D^ TIV06.5@4.XI2P.TM1^S2R^9W^>CD53^OD@W @IY^9.INL4;N.MRMG7NMC.S^Y20KP<S<+H\$1>X+S^23I(BOMB.YLU2>4C1H^T^TR17Q)M^IVGBZ1I (OHT4%0Q=9+Y13>2^Y^>W^>5^P.NC)N1S3^YX1W^H3Z36BHRA2 M^9^H^X^N^G<=>H H^H^N^O^O^D^DFK^4^E1^H^P6K^>R^9W33V^+Y5XG07 M^X^Y&M1Y^W.EDD^M^M=RR3<2#K^T^Y^O^G^<0.DT^46ZKXH3366^91W^/M1S1^I^K^N^&Z^M^E^M^B1^50H1^?05T@2P&O9C;1^>6GDK^FR8^>3=5YR4 MBIG(%DEI ^&C7XSFHF6QV^4\$N1>#>.LB^\$3I\$T.RGAS73TWY=WGM^N60 MG8^>AW.YJ&L.J+17I>B>QVH^P^L.O1 7^W18^7L88^Y.MXNZ0E7^KE4+C@V0=AC5<5^UVFAO TKL(? H^D1-H26)MHM^M^#56/MNN^S^&NLEF^>I=@>YA2^6CM^P^&Q^N^E^KVY^L&+P8G1L(OE2I2=>S^M^DDE J20@ISYHP>=>B5B2^#W@>I(OX1VM5H^H;Z1S^WZ^>DPU=JMX? P+1&D M^1^UMZ^#BH3239)MB=X#^FIW OBFY6.5L+O0&LPEM+7^X^@NIH51^# MHA4.UZR6)M^#30DD.12.IN%=>FVRTS^#D>+I=YZ6<1>P^D)HO^HSRQ)YB<1M^> M872LU1=>LHN2@+&3&B2AA JV>OWBC J1ZIOKN(M0.P^I\$O2K^<^P^M^N^M^N^U^>Y^R=8^>H^&U^O^G^>070402^#00UFZ4816G6M^>S^Y1Z MDA8SJ.O^?>H^I^ (K<4)S&4>7@R-DTXG9KZ3=3B17H3JMNBC^?3.XL^M^S^&X^D^FX^O^#67K3EOWP^B12>1.3>?>4<8>I616H^KT23@9CVH\$)55<M^1^H6M3<3I2 UHUIHT34@>CS041MYB4\$KWSF5=>@MOR9^LWA:Z4Y1923J+>R67P1M1\$3U1E^#;VW;@G09=>H1I7T.(S1W G\$>U^M#^79TAI+&3+QG+9.^+I=C.ZR?GSBS#1.OW+AA^ I^H2NM^ICE5W^OD&JBS=CVY Y9J9U=H<N^M3V7YK>=>VRFRIE7ZX^MHD43&44P\$SMM20>I;R M=6=>7B>2&#>U<@>O^>XVHG6>Z>X<OXP^WH^? 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M(IU^T^H^<41^IG7^G3A^S1^&S9S^I03^>L.NH^Y^Z^/FS=6E2^GG^>U^D2^MIU9R^L1=2P^TPDORBFK^@0BR^1?>#ZB.9Q2MU^L Q1R<1^21^>M9&B^>1^L6^GA^>T^L^C@>2G1^L5.G3^<N^+I^E^L^>1^M91^>X3D9R0417<9JS MK&L^Y^81^0H1B^N(H^H^U^Z^7^S^12^%G9X^5^4^F14^MGB @K\$>F&K.HB^RWN^OX\$1\$R^N)=L(N^E.@>UN.&^#FE5GIT^I(7DP1^M^S19^%>C7M0N^?>S^IYUGI^G^BLR^C^V^213AHD^YDS\$1Q.Y1.V.9UB^>J^/MX^>73INH=OZU36I+AYSV ^D.#^NTN^J^P^WBWTE.F>LGZ1P139XU^6^69@HMGK\$ YGD&00 MO#<=<Y^S4H%&I&C.(2C0K66B1+L N^C^M^+L^YZRIG>15\$N.JK1^>W^D^<=& M^DXLZCB46^S0A&B3Z&I^A? 9K)LSL9&B^WIT>45M^D.U.N.1^<#>2>3> MC.IP%>Q&S&A9W@CPB&G(PGB44H010.0M&C&P^D.U1123^16%EGE^KE.L+7 MCM.FEJ^D^<^>CKH4^FT^H1^@^>I^D^B8)1^>L^M^B^R^7^X^6^M^VH\$<^9^>M^M^N)N^G^>T^N^P^91^7^>O.DZ^>1AJD^<WH^/A1^>ZSJO^>RU^E.O.4AT&RVAJA^N2)1(O8UYU^M#<?>210^>9VB2L1(3YX.UA1^Z1^W I0M^Y1^K&@>M.Z^K^R^W^G^2M^2A^M)1^#9\$>+W+J^B>^A^V^H^>B>O^>Z2 OAE(M10^QM1J^191(W^J^>X^S16^W^W^<98AGC;=>2A.YIU^U^7ND1H^HX46A^O^>Q^>=&I^M;M^P>C^V1^ZF@YB2<@8M.LIKX=<C<=>#(M^!\$Y^R+O0<GOP<=>+X^T3 MCI^?K@CZ^SSR?C+I^S50)4ZK7=>@M>#9P.8I222B?OH(NH(WB\$S)C^MZSI? XY4Z2^#IVY^#X.AU1^S^Y>2E&H^D242.+&11R1U^+ED05XO.NH#0>I^X^Z^F^H@>Z07.O.5H^&H^M1^S^E^E^M6)G1&#^A^M^<V^M05F7=>DDM6^H^C^X^K^K^O^M^9^A^V^6^E^K1 MU=>S^1^UYF^E^&BSL^<9H1^U.0.3QD^P1^E^H(G6P5Q.O5^M^G^S^81^0H1.M.3?^680=9D1S^L^K1.04L@>P^T^T^626T^M^>UO79.J^I^H^?>7A^D^M^H^5^MDV\$>5^PCR? Q9+9U@1<I^VEN^T^&N1<2?T^+I^S3^H103+1T^&N^E(N) FKD M3T^Y^G^L^O^Q3^?>+U^>M1^>P04^>WA45>BP.MD<<10#1^0P^%&I^G^2TR.M^ I^E3(S1.5186(=&U&LU^U^1^&PXDB^Z^W^X^M^V)E\$<HGA&X^P=F=O>S6K91O.&V%>9ZYMSH^%&H39JDA6^\*UG^X^>N^M^D^561^ND<D^<^&D(C+SOH\$1&6?> L^W^&17X%&455;D^X^P^O^T^#^DK.I9.M7000? CUYAU^\_1^N^2^N72^A1^<I^G^S^<P^Z^W^N^H^E^>E+7@X&M6WX^Z M3H^>#^2^981^7^D1+8ORL1^JZ^A^Z^>RNSVK^@>1%T3.CYV 6019E^>S^8^>M^Y^D^A1^&C^6^>K81R.L4^I^<^+V5Q2^?Y@PAYD2OET2&0 Z5&^H^R@>@M+&X676Y?U9 X>22@ E7EXU/H^&U^N^/X1>07^H1M^ATW^H01MO>>ALYV785OQ1U?>O^MLE25.OZ/ PZSY872BGL LKVI2 M^TVG^ROY<=>L#4#12.ZB@>5.2D+1+1^<I^>1%>HRS6 MXK.00/ OKY? GR2)P12^>#7M.7^HMLR^B7F3U1T^%6G^2K9^8A T5.MW3^LQ29W=Z60QY=>E^7H1J+G^T81WET1^<^JAW601 DUO\$Q&C^?72X^MA.E9^S>L^AY?>X1^LEML0.U^ N>+7=7W9\$Z.7Y.Z.U2MAJLE@&I&GTV^Y^M^K7 Q0P^YK(ZJ&C^#9W;=1/8=)HJ/16L^N14^& T^ZE^K2H1H2IOAE M58G?>T^R4H1^XBHIDH5\$^H1 ^AQC^6&U@V643R^U7D4I^%7^BK>O?>M7HD< OIERT1^#R83^RRDK\$H^R^F^B^E^R=H3I4>WV+S^Q^<=>19^RH5CMZ0 M^W0ZU^\_1N&=U.DKKA6176XG=T^PA^?BMF?>9























*Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The consolidated financial statements include the consolidated accounts of Johnson Controls International plc and its subsidiaries that are consolidated in conformity with U.S. GAAP. The results of companies acquired or disposed of during the reporting period are included in the consolidated financial statements from the effective date of acquisition or up to the date of disposal. Investments in partially-owned affiliates are accounted for by the equity method when the Company exercises significant influence, which typically occurs when its ownership interest exceeds 20%, and the Company does not have a controlling interest. </i></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The Company consolidates variable interest entities ("VIE") when it has the power to direct the significant activities of the entity and the obligation to absorb losses or receive benefits from the entity that may be significant. The Company did not have any material consolidated or nonconsolidated VIE's for the presented reporting periods.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>Recently Adopted Accounting Pronouncements</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>In September 2022, the FASB issued ASU 2022-04, "Disclosure of Supplier Finance Program Obligations," which is intended to enhance the transparency surrounding the use of supplier finance programs. Supplier finance programs may also be referred to as reverse factoring, payables finance, or structured payables arrangements. The amendments require a buyer that uses supplier finance programs to make annual disclosures about the program's key terms, the balance sheet presentation of related amounts, the confirmed amount outstanding at the end of the period, and associated rollover information. Only the amount outstanding at the end of the period must be disclosed in interim periods. The Company adopted the new disclosures, other than the rollover disclosure, as required at the beginning of fiscal 2024. The rollover disclosure will be adopted as required in fiscal 2025.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>Accounts payable included in the SCF programs were approximately \$733 million and \$703 million as of December 31, 2024 and September 30, 2024, respectively.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>Recently Issued Accounting Pronouncements</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>In November 2024, the FASB issued ASU 2024-03, "Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses," which is intended to enhance transparency into the nature and function of expenses. The amendments require that on an annual and interim basis, entities disclose disaggregated operating expense information about specific categories, including purchases of inventory, employee compensation, depreciation, amortization and depletion. </span><span style="background-color:#ffffff;color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The Company expects to adopt the new annual disclosures as required for fiscal 2028 and the interim disclosures as required beginning with the first quarter of fiscal 2029.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>In December 2023, the FASB issued ASU 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which is intended to enhance the transparency about income tax information through improvements to income tax disclosures primarily related to the rate reconciliation and income taxes paid information. The amendments require that on an annual basis, entities disclose specific categories in the rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, the amendments require that entities disclose additional information about income taxes paid as well as additional disclosures of pretax income and income tax expense, and remove the requirement to disclose certain items that are no longer considered cost beneficial or relevant. </span><span style="background-color:#ffffff;color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The Company expects to adopt the new annual disclosures as required for fiscal 2026.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>In November 2023, the FASB issued ASU 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable </span><span style="background-color:#ffffff;color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>Segment Disclosures," which is intended to improve reportable segment disclosures, primarily through enhanced disclosures about significant segment expenses. In addition, the amendments enhance interim disclosure requirements, clarify circumstances in which an entity can disclose multiple segment measures of profit or loss, provide new segment disclosure requirements for entities with a single reportable segment and contain other disclosure requirements. 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The Company expects to adopt the new annual disclosures as required for fiscal 2025 and the interim disclosures as required beginning with the first quarter of fiscal 2026.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>Other recently issued accounting pronouncements are not expected to have a material impact on the Company's consolidated financial statements.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>In July 2024, the Company entered into a definitive agreement to sell its R&LC HVAC business, which includes the North America Ducted businesses and the global Residential joint venture with Hitachi, of which Johnson Controls owns 60% and Hitachi owns 40%, to Bosch Group for approximately \$8.1 billion in cash with the Company's portion of the aggregate consideration being approximately \$6.7 billion, inclusive of an upfront royalty payment for the licensing of the York trademark. The transaction is expected to close in the fourth quarter of fiscal 2025, subject to required regulatory approvals and other customary closing conditions. The R&LC HVAC business, which was previously reported in the Global Products segment, meets the criteria to be classified as discontinued operations as it represents a strategic shift in the Company's operations and results in the exit of substantially all of its residential and light commercial HVAC businesses. Results of the business are presented in discontinued operations for all periods presented. </span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The Company determined that the assets and liabilities for the R&LC HVAC business met the held for sale criteria during the fourth quarter of 2024. Accordingly, the businesses' assets and liabilities were reclassified in the consolidated balance sheets at December 31, 2024 and September 30, 2024 to held for sale, and the Company ceased recording depreciation and amortization for the held for sale assets. </span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:120%>The following table summarizes the results of the R&LC HVAC business which are reported as discontinued operations (in millions):</span></div><div style="padding-left:18pt;text-align:justify"><table border="1" style="width:100%; border-collapse:collapse; display:inline-table;margin-bottom:5pt;vertical-align:top;bottom:width:87.134%><tr><td style="width:1.0%></td><td style="width:62.993%></td><td style="width:0.1%></td><td style="width:0.1%></td><td style="width:0.638%></td><td style="width:0.1%></td><td style="width:1.0%></td><td style="width:1.0%></td><td style="width:15.678%></td><td style="width:0.1%></td><td style="width:0.638%></td><td style="width:0.1%></td><td style="width:0.475%></td><td style="width:0.1%></td></tr><tr><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>Three Months Ended December 31,</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>Three Months Ended September 30,</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>Net sales</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2024</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2023</span></td></tr><tr><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2024</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2023</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2024</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2023</span></td></tr><tr><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2024</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2023</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2024</span></td><td colspan="3" style="text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman,sans-serif;font-size:10pt;font-weight:400;line-height:100%>2023</span></td></tr></table></div></p></div>*





































































































align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>16 </span></td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Settlements made during the period </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>(18) </span></td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Currency translation </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>(3) </span></td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Balance at December 31, 2024 </span></td><td colspan="3" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>115 </span></td><td colspan="2" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr></table></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>The following table summarizes changes in the total product warranty liability (in millions):</span></div><div style="margin-top:5pt;padding-left:18pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top; width:80.994%"><tr><td style="width:1.0%"></td><td style="width:79.946%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.5%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.704%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>122 </span></td><td colspan="2" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Accruals for warranties issued during the period </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Balance at September 30, 2024 </span></td><td colspan="2" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Currency translation </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Balance at December 31, 2024 </span></td><td colspan="2" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>115 </span></td><td colspan="2" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr></table></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>CONTINGENCIES</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>Environmental Matters</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>The Company accrues for potential environmental liabilities when it is probable a liability has been incurred and the amount of the liability is reasonably estimable. The following table presents the location and amount of reserves for environmental liabilities in the Company's consolidated statements of financial position (in millions):</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top; width:94.736%"><tr><td style="width:1.0%"></td><td style="width:60.165%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:17.981%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.571%"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>December 31, 2024 </span></td><td colspan="2" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>September 30, 2024 </span></td><td colspan="2" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Other current liabilities </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Other noncurrent liabilities </span></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 0;text-align:left;vertical-align:top"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>Total reserves for environmental liabilities </span></td><td colspan="2" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%>203 </span></td><td colspan="2" style="border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td></tr></table></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>A substantial portion of the Company's environmental reserves relates to ongoing long-term remediation efforts to address contamination relating to Aqueous Film Forming Foam ("AFFF") containing perfluorooctane sulfonate ("PFOS"), perfluorooctanoic acid ("PFOA"), and/or other per- and poly-fluoroalkyl substances ("PFAS") at or near the Tyco Fire Products L.P. ("Tyco Fire Products") Fire Technology Center ("FTC") located in Marinette, Wisconsin and surrounding areas in the City of Marinette and Town of Peshtigo, Wisconsin, as well as the continued remediation of PFAS, arsenic and other contaminants at the Tyco Fire Products Stanton Street manufacturing facility also located in Marinette, Wisconsin (the "Stanton Street Facility").</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>PFOA, PFOS, and other PFAS compounds are being studied by the U.S. Environmental Protection Agency ("EPA") and other environmental and health agencies and researchers. In March 2021, EPA published its final determination to regulate </span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>PFOS and PFOA in drinking water. On April 10, 2024, EPA announced the final National Primary Drinking Water Regulation ("NPDWR") for six PFAS compounds including PFOA and PFOS. The NPDWR established legally enforceable levels, called Maximum Contaminant Levels, of 4.0 parts per trillion ("ppt") for each of PFOA and PFOS, 10 ppt for each of PFHxS, PFNA, and HFPO-DA (commonly known as GenX Chemicals), and a Hazard Index of one for mixtures containing two or more of PFHxS, PFNA, HFPO-DA, and PFBA. In February 2024, EPA released two proposed rules relating to PFAS under the Resource Conservation and Recovery Act ("RCRA"): one rule proposes to list nine PFAS (including PFOA and PFOS) as "hazardous constituents," and a second rule proposes to clarify that hazardous waste regulated under the rule includes not only substances listed or identified as hazardous waste in the regulations, but also any substances that meet the statutory definition of hazardous waste.</span></div><div style="padding-left:18pt;text-align:justify"><span style="color:#000000;font-family:Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%>In August 2022, EPA published a proposed rule that would designate PFOA and PFOS as "hazardous substances" under Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"). In April 2023, EPA issued an Advanced Notice of Proposed Rulemaking ("ANPR") seeking input on whether it should expand the proposed rule to designate as "hazardous



generally allege that the use of the defendants' fire-fighting foam products at fire training academies, municipal airports, Air National Guard bases, or Navy or Air Force bases released PFOS and PFOA into public water supply wells and/or other public property, allegedly requiring remediation.

Water Systems AFFF Settlement Agreement

On April 12, 2024, Tyco Fire Products and Chemguard are also periodically notified by other municipal entities that those entities may assert claims regarding PFOS and/or PFOA contamination allegedly resulting from the use of AFFF.

Water Systems AFFF Settlement Agreement

On April 12, 2024, Tyco Fire Products agreed to a settlement with a nationwide class of public water systems that detected PFAS in their drinking water systems that they allege to be associated with the use of AFFF. Under the terms of the agreement, Tyco Fire Products agreed to contribute \$750 million to resolve these PFAS claims. The settlement releases these claims against Tyco Fire Products, Chemguard, and other related corporate entities. On November 22, 2024, the Court entered final approval of the settlement agreement. In accordance with the terms of the settlement agreement, Tyco Fire Products made its final required payment of \$415 million in December 2024 and has now paid the full settlement amount.

AFFF Putative Class Actions

Chemguard and Tyco Fire Products are named in 45 pending putative class actions in federal courts originating from 18 states and territories. All of these cases have been direct-filed in or transferred to the MDL. In addition, six proposed class actions were filed in Canada (British Columbia, Manitoba, Quebec and Ontario) in the past year, which name Tyco Fire Products and other manufacturers as defendants, on behalf of various classes of members (including individuals and government entities) who seek to recover for remediation (past and future) costs, claim property or other environmental damages, or claim personal injuries or other harms arising from alleged exposure to or contamination with PFAS or PFAS-containing products (including AFFF).

AFFF Individual or Mass Actions

There are more than 8,000 individual or "mass" actions pending that were filed in state or federal courts originating from 52 states and territories against Chemguard and Tyco Fire Products and other defendants in which the plaintiffs generally seek compensatory damages, including damages for alleged personal injuries, medical monitoring, and alleged diminution in property values. The cases involve plaintiffs from various states including approximately 7,000 plaintiffs in Colorado and more than 8,000 other plaintiffs. The vast majority of these matters have been tagged for transfer to, transferred to, or directly filed in the MDL, and it is anticipated that several newly-filed state court actions will be similarly tagged and transferred. There are several matters that are proceeding in state courts, including actions in Arizona, Illinois and Wisconsin.

State of New York v. The 3M Company et al

State of New York v. The 3M Company et al (N.Y. Sup. Ct. Albany County) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at locations across New York, including Stewart Air National Guard Base in Newburgh and Gabreski Air National Guard Base in Southampton, Plattsburgh Air Force Base in Plattsburgh, Griffiss Air Force Base in Rome, and unspecified "other" sites throughout the State. The lawsuit seeks to recover costs and natural resource damages associated with contamination at these sites. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL.

State of New York v. The 3M Company et al

State of New York v. The 3M Company et al (N.Y. Sup. Ct. Albany County) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In July 2019, the State of New York filed a third lawsuit in New York state court.

State of New York v. The 3M Company et al

State of New York v. The 3M Company et al (N.Y. Sup. Ct. Albany County) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to the United States District Court for the Northern District of New York and transferred to the MDL. In November 2019, the State of New York filed a fourth lawsuit in New York state court.

State of New York v. The 3M Company et al

State of New York v. The 3M Company et al (N.Y. Sup. Ct. Albany County) against a number of manufacturers, including affiliates of the Company, with respect to alleged PFOS and PFOA contamination purportedly resulting from firefighting foams used at further additional locations across New York. This suit has been removed to federal court and transferred to the MDL.

State of Alaska

In April 2021, the State of Alaska filed a lawsuit in the superior court of the State of Alaska against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the State's land and natural resources allegedly resulting from the use of firefighting foams at various locations throughout the State. The State's case has been removed to federal court and transferred to the MDL. The State of Alaska has also named a number of manufacturers and other defendants, including affiliates of the Company, as third-party defendants in two cases brought by individuals against the State. These two cases have also been transferred to the MDL.

State of North Carolina

In early November 2021, the Attorney General of the State of North Carolina filed four individual lawsuits in the superior courts of the State of North Carolina against a number of manufacturers and other defendants, including affiliates of the Company, with respect to PFOS and PFOA damage of the State's land, natural resources, and property allegedly resulting from the use of firefighting foams at four separate locations throughout the State. These four cases have been removed to federal court and transferred to the MDL. In October 2022, the Attorney General filed two similar lawsuits in the superior courts of the State of North Carolina regarding alleged PFAS damages at two additional locations. These two cases have also been removed to federal court and transferred to the MDL.

Other AFFF Related Matters

In March 2020, the Kalispel Tribe of Indians (a federally recognized tribe) and two tribal corporations filed a lawsuit in the United States District Court for the Eastern District of Washington against a number of manufacturers, including affiliates of the Company, and the United States with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF by the United States Air Force at and around Fairchild Air Force Base in eastern Washington. This case has been transferred to the MDL.

Chippewa Indians

In October 2022, the Red Cliff Band of Lake Superior Chippewa Indians (a federally recognized tribe) filed a lawsuit in the United States District Court for the Western District of Wisconsin against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota. This complaint has been transferred to the MDL.

Fond du Lac Band of Lake Superior Chippewa

In July 2023, the Fond du Lac Band of Lake Superior Chippewa (a federally recognized tribe) direct-filed a lawsuit in the MDL against a number of manufacturers, including affiliates of the Company, with respect to PFAS contamination allegedly resulting from the use and disposal of AFFF at Duluth Air National Guard Base in Duluth, Minnesota.

The Company

The Company is vigorously defending all of the above AFFF matters and believes that it has meritorious defenses to class certification and the claims asserted, including statutes of limitations, the government contractor defense, various medical and scientific defenses, and other factual and legal defenses. The Company has a historical general liability insurance program and is pursuing coverage under the program from various insurers through insurance claims discussions and litigation pending in a state court in Wisconsin and a federal district court in South Carolina. The insurance litigation involves numerous factual and legal issues. There are numerous factual and legal issues to be resolved in connection with these claims. The Company is presently unable to predict the outcome or ultimate financial exposure beyond the water systems AFFF settlement discussed above, if any, represented by these matters, and there can be no assurance that any such exposure will not be material.

Asbestos Matters







December 31, 2024

	December 31, 2024	September 30, 2024
Other current liabilities	247	20
Total self-insured liabilities	247	20
Accrued compensation and benefits	98	92
Other noncurrent liabilities	149	13
Total	247	20

The following table presents the location and amount of insurance receivables in the Company's consolidated statements of financial position (in millions):

	December 31, 2024	September 30, 2024
Insurance receivables	17,363	13
Total	17,363	13