



2022

ANNUAL REPORT



Our Mission

To improve comfort, safety, and quality of life for people around the world through our expertise in a wide range of water technologies. To be the best in the eyes of our employees, customers, and shareholders.

Founded

Our company was founded in 1874 by Joseph Watts in Lawrence, Massachusetts, U.S. as a pressure relief valve machine shop.

Headquarters

Americas & Corporate HQ:
North Andover,
Massachusetts, U.S.
*Asia-Pacific, Middle East
& Africa (APMEA) HQ:*
Shanghai, China

Regions

We have over 4,500 employees on 5 continents, located in more than 23 countries, and they collectively speak more than 18 languages.

Focus Areas

Our solutions offer customers benefits in 3 key areas:

1. Safety & Regulation
2. Energy Efficiency
3. Water Conservation

Corporate Strategy

Our strategy focuses on 5 key pillars:

1. Growth
2. Operational Excellence
3. Commercial Excellence
4. One Watts
5. Diversified Talent & Performance Culture

Customers

- Contractors/Installers
- Wholesalers
- Engineers/Designers
- OEMs
- Consumers
- Facility Managers/Owners
- Government/Municipal

Patents

Watts has a portfolio of over 400 listed patents worldwide.

Solutions

- Plumbing & Flow Control
- HVAC & Gas
- Drainage & Water Re-use
- Water Quality & Conditioning
- Municipal Waterworks

At-a-Glance

We are a leading supplier of products and solutions that conserve water, and manage the flow of fluids and energy into, through, and out of buildings in the commercial and residential markets of the Americas, Europe, and Asia-Pacific, Middle East, and Africa (APMEA).

For almost 150 years, Watts has designed and produced valve systems that safeguard and regulate water systems, energy efficient heating and hydronic systems, drainage systems, and water filtration technology that help purify and conserve water.

Our 4,500+ employees are incredibly proud because our products and solutions directly improve the comfort, safety, and quality of life for people around the world.

Our Brands



To Our Shareholders

Watts Water Technologies achieved record results for our stakeholders in 2022. We effectively managed operations to meet growing customer demand amid ongoing supply chain disruptions, and responded to unprecedented inflation, geopolitical uncertainties, and overall challenging macroeconomic conditions. Sales climbed 9% to a record \$1.98 billion in 2022, driven by a 13% increase in organic sales, partially offset by unfavorable foreign exchange of 4%. Adjusted operating margin improved to a record 16.4%, an expansion of 210 basis points compared to 2021. Adjusted earnings per share rose 29% to a record \$7.13, and a 26% increase in free cash flow to \$201 million further strengthened our balance sheet.



In addition to these impressive financial results, we made great strides across our key initiatives, including smart and connected enabled products, commercial and operational excellence, environmental, social, and governance (ESG), and diversity, equity, and inclusion (DEI).

Our leadership team's combined 43 years of experience at Watts and our employees' dedication and hard work have been significant drivers of our success. Our extensive industry knowledge enables us to strengthen our company's capabilities, maintain market leadership in residential and commercial water solutions, take advantage of growth opportunities in our end markets, and make sound investments in our future. We have managed our business through multiple challenging economic cycles and expect to continue to successfully identify and address key trends and growth opportunities in our geographically diverse markets.

For further discussion of "organic sales," "adjusted operating margin," "adjusted earnings per share," and "free cash flow," which are non-GAAP financial measures, and the comparable GAAP measures, see the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Form 10-K included in this Annual Report to Shareholders. See last page for a reconciliation of GAAP to non-GAAP items, including adjusted operating margin and adjusted earnings per share.



Investing in Innovation and Growth

We made the strategic decision to increase our 2022 incremental investments by 15% to a total of \$23M for the year in order to further drive and enable growth. These investments were focused on smart and connected solutions, productivity, sustainability, and commercial excellence. In 2022, more than half of our \$59M research and development spending was devoted to smart and connected product offerings, and our spending in research and development increased to 3% of sales.

Several examples of our 2022 investments:

- Developing smart and connected enabled solutions, which leverage the new product development talents of more than 100 Watts software engineers
- Investing in Internet of Things (IoT) architecture development to enhance the functionality and security of our smart and connected products
- Enhancing digital tools, such as our external Watts website and e-commerce sites, to improve the customer experience
- Seeking strategic opportunities to invest in commercial excellence and growth, including geographic expansion and incremental investments in our training programs
- Increasing efficiencies by deploying process improvements, including our sales and operating planning tools and robotic process automation



Spotlight on our Smart and Connected Strategy

Through our smart and connected strategy, Watts delivers superior customer value with innovative products and solutions that provide more efficient ways to select, procure, install, and maintain systems. These offerings helped fuel our organic sales growth and comprised 19% of 2022 sales. Our goal is to generate 25% of revenue from smart and connected enabled products by year-end 2023.



The Lync/Aegis CO2 commercial heat pump water heater system

Watts introduced 20 smart and connected enabled products in 2022. As just one example, our new Lync/Aegis CO2 commercial heat pump water heater system cost-effectively limits greenhouse gas emissions by combining an innovative heat pump with complementary equipment that creates a comprehensive solution, such as domestic water heat

exchange skids, electric tanks, and mixing valves. Our Aegis system can also monitor unit status in real time, record operational data, issue fault alarms, and change set points and operational modes. Scan the QR code for more information.



Operational Enhancements

We continue to improve efficiency in our operations which also supports safety and sustainability. Our One Watts Performance System (OWPS) is a global program that helps our team members understand our operating philosophies and principles, improve productivity, standardize work, and eliminate waste. It is no coincidence that our financial success has been facilitated by streamlined, consistent processes that are followed in Watts sites in the 23 countries where we operate. Our OWPS facilitated operational improvements in 2022 and continues to provide a framework for us to examine, simplify, and automate our processes more effectively.

We also made investments in factory automation – decisions that were especially important in recent years given pandemic-driven labor shortages. These investments, along with our vertical integration and proactive inventory purchases, enabled us to partially mitigate supply chain constraints and better serve our customers in 2022. In addition, we successfully completed the closure and sale of our plant in Méry, France and transferred all production to sister facilities in France, which reduced our footprint and cost structure.



Sustainability Commitment

Sustainability is ingrained in our corporate culture, business practices, and operations. Our mission is to provide high-quality products, systems, and solutions for the conveyance, conservation, control, and safe use of water. We're proud that our offerings improve the comfort, safety, and quality of life for people around the world.

We work hard to continuously improve our ESG efforts, including how we operationalize sustainability and our DEI programs. A few highlights of our 2022 ESG actions:



As Chief Sustainability Officer, Ken Lepage has challenged our organization to set ambitious ESG goals, led the execution of our sustainability strategy, and provided quarterly updates to the Governance and Sustainability Committee of the Board of Directors as chair of our global Sustainability Steering Committee. Under Ken's leadership, we performed a materiality assessment, reduced global water use intensity by 16% from 2021, and decommissioned leaded foundry operations at our largest facility in the U.S. Watts also purchased 100% certified renewable energy credits to offset annual electric consumption at seven U.S. sites, reducing greenhouse gas emissions intensity by 30%.

In addition:

- In 2023, we are adopting a diverse candidate slate policy that fosters outreach to all candidates, including those from historically marginalized communities and women, and implemented qualitative guidelines to drive DEI accountability within our U.S. operations. As a reflection of our commitment to embed DEI throughout our business, in 2022 we revised our strategic pillars and incorporated "inclusion" as a new cultural behavior. This change cascaded to our performance management process, which assesses all Watts employees on their demonstration of cultural behaviors and sets our expectation of accountability and inclusion at all levels. Watts also launched a multi-year global leadership and inclusivity training to increase awareness around unconscious bias and create more inclusive, smarter teams. Our DEI strategy and roadmap seeks to ensure that people of various backgrounds feel both welcome and supported, which includes committing to treating people fairly and impartially while fostering a sense among our employees that they are seen, heard, and valued. As one example, Watts employee resource groups (ERGs) facilitate additional ways for our employees to develop professionally, create awareness, and share common interests. Our ERGs include Black Matters at Watts, Latin Americans at Watts, Pride Matters at Watts, Tech Matters at Watts, Vet Matters at Watts, and Women of Watts.
- Our annual Sustainability Report illustrates our commitment to consistent, transparent sustainability disclosures. Scan the QR code (right) to view our report.





- In May 2022, Watts joined the United Nations Global Compact initiative – a voluntary leadership platform for the development, implementation, and disclosure of responsible business practices. As a participant, we leverage the Ten Principles of the United Nations Global Compact on human rights, labor, environment, and anti-corruption, as we carry out our pledge to be an equitable and sustainable company.



- We successfully completed verification for The Water Council's WAVE: Water Stewardship Verified program in August 2022. This verification indicates Watts has assessed water-related risk across several key facilities, identified the highest water-related impacts using credible water-related data, and implemented best practices to improve our water stewardship performance. Given the nature of our business, completing this verification was an important milestone. During the WAVE process, we prioritized eight of our sites with the highest water risk, identified the watersheds in which we operate, conducted a water balance to learn more about our water inputs and outputs, and engaged the communities around our selected sites. We then took action at the local and global level to reduce water consumption, increase reuse, improve water quality, and reduce negative impacts upstream and downstream.



- Our ongoing partnership with Planet Water Foundation provided clean drinking water to nearly 11,000 children and community members in Cambodia, India, Indonesia, Mexico, and the Philippines in 2022.
- As a result of these and other actions, ESG research and data company Sustainalytics reported a 24% improvement in our ESG score in 2022, promoting Watts to the low-risk category.



- In December 2022, we were recognized by Newsweek as one of America's Most Responsible Companies for the fourth consecutive year.

Looking Ahead

As we close out 2022 and look toward our future, I extend my gratitude to Munish Nanda, who stepped down in August as our President of Americas and Europe. I want to thank Munish for his leadership in driving tremendous progress over the past several years and for his willingness to provide extended assistance in transitioning his responsibilities to Andre Dhawan, now our Chief Operating Officer.

Andre comes to Watts from Gilbarco Veeder-Root, a subsidiary of Vontier Corporation, and former subsidiary of the Danaher Corporation, where he most recently served as President, Americas and previously as President, EMEA and APAC. Prior to joining Gilbarco Veeder-Root, Andre held several senior leadership positions with Xylem Inc. and ITT Corporation. He's a growth-oriented strategic and operational leader with experience in leading successful product introductions, expanding market penetration, building high-performing teams, and leading international businesses. In the past several months, Andre has already shown his strong capabilities to execute our established business strategy, and we look forward to his future contributions.



Despite expected economic headwinds in 2023, we remain optimistic about our ability to execute on our strategy, return value to shareholders over both the near and long term, and address the needs of our stakeholders as a responsible corporate citizen. We have leading global brands that are well positioned in our sustainable end markets – and have proven our ability to grow through both innovation and acquisitions during a variety of economic cycles. We see tremendous opportunities for the future and want to thank you for your continued support. We look forward to updating you as the year progresses.

Sincerely,

A handwritten signature in black ink, reading "Robert J. Pagano, Jr." in a cursive style.

Robert J. Pagano, Jr.
Chief Executive Officer, President, and Chairperson of the Board



Gallery



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1) North Andover employees pulled trash from the Merrimack River in Methuen, MA, U.S. 2) Members of the Finance Team participated in a Habitat for Humanity build. 3) North Andover employees pulled trash from banks of the Merrimack River in Groveland, MA, U.S. 4) Employees in Moirans, France created a community garden at the site. 5) Students in the Philippines enjoyed clean water from the AquaTower provided by Watts through its partnership with Planet Water Foundation. 6 & 7) Students in two communities in Mexico celebrated their new handwashing stations provided by Watts as part of its partnership with Planet Water Foundation.

Gallery



1 & 2) Watts leaders participated in a team-building session to assemble prosthetic hands for those in need. 3) The Vildbjerg, Denmark team get recognized for a continuous improvement project. 4) The team in Groveport, Ohio, U.S. posed with a new order fulfillment robot named "Chuck." 5) The Marketing Communications Team prepared to celebrate the second annual National Backflow Prevention Day. 6) The American Red Cross presented Watts with a plaque for the company's disaster relief efforts. 7, 8, & 9) Watts leaders participated in a team-building session to assemble prosthetic hands for those in need. 10) A cross-functional team participated in Lean Six Sigma Green Belt Training. 11) A cross-functional team of leaders in Franklin, NH, U.S. and Nogales, Mexico completed the sites' One Watts Performance System Business Assessment. 12) Employees in Monastir, Tunisia celebrated Watts global Pink for a Day event which raised \$25,000 for Breast Cancer research. 13) The China Sales Team gathered in Shanghai for their annual meeting.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-K

☒ **ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended December 31, 2022

Or

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

Commission file number 001-11499

WATTS WATER TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

04-2916536
(I.R.S. Employer
Identification No.)

815 Chestnut Street, North Andover, MA
(Address of Principal Executive Offices)

01845
(Zip Code)

Registrant's telephone number, including area code: **(978) 688-1811**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A common stock, par value \$0.10 per share	WTS	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: **None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☒ No ☐

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has 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 the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

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 during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

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 ☐

Non-accelerated filer ☐

Smaller reporting company ☐

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 has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. ☒

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. ☐

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b). ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of June 24, 2022, the aggregate market value of the registrant's common stock held by non-affiliates of the registrant was approximately \$3,367,524,069 based on the closing sale price as reported on the New York Stock Exchange.

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

Class	Outstanding at January 22, 2023
Class A common stock, \$0.10 par value per share	27,309,838 shares
Class B common stock, \$0.10 par value per share	5,958,290 shares

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the Registrant's definitive Proxy Statement for its Annual Meeting of Stockholders to be held on May 17, 2023 are incorporated by reference into Part III of this Annual Report on Form 10-K.

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PART I

Item 1. BUSINESS.

This Annual Report on Form 10-K contains statements that are not historical facts and are considered forward-looking within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements contain projections of our future results of operations or our financial position or state other forward-looking information. In some cases, you can identify these forward-looking statements by words such as “anticipate,” “believe,” “could,” “estimate,” “expect,” “intend,” “may,” “should,” and “would” or similar words. You should not rely on forward-looking statements because they involve known and unknown risks, uncertainties and other factors, some of which are beyond our control. These risks, uncertainties and other factors may cause our actual results, performance or achievements to differ materially from the anticipated future results, performance or achievements expressed or implied by the forward-looking statements. Some of the factors that might cause these differences are described under Item 1A—“Risk Factors.” You should carefully review all of these factors, and you should be aware that there may be other factors that could cause these differences. These forward-looking statements were based on information, plans and estimates at the date of this report, and, except as required by law, we undertake no obligation to update any forward-looking statements to reflect changes in underlying assumptions or factors, new information, future events or other changes.

In this Annual Report on Form 10-K, references to “the Company,” “Watts Water,” “Watts,” “we,” “us” or “our” refer to Watts Water Technologies, Inc. and its consolidated subsidiaries.

Overview

Watts Regulator Co. was founded by Joseph E. Watts in 1874 in Lawrence, Massachusetts. Watts Regulator Co. started as a small machine shop supplying parts to the New England textile mills of the 19th century. Since then, Watts has grown into a global manufacturer and become one of the world’s leading providers of water technologies and solutions that are designed to promote safety, energy efficiency, and water conservation for commercial and residential buildings. Watts Water Technologies, Inc. was incorporated in Delaware in 1985 and is the parent company of Watts Regulator Co.

Our strategy is to be the preferred supplier of differentiated products, solutions and systems that manage and conserve the flow of fluids and energy into, through and out of buildings in the commercial and residential markets of the Americas, Europe, and Asia-Pacific, Middle East and Africa (“APMEA”), our three geographic segments. Within this framework, we focus upon three themes: safety and regulation, energy efficiency and water conservation. This strategy provides us with a platform to increase our earnings through sales growth, both organic and inorganic, and the systematic reduction of manufacturing costs and operational expenses.

Our strategy is to expand organically by introducing new, complementary products and solutions in existing markets, by enhancing our preferred brands, by promoting plumbing code development to drive the need for safety and quality products and by continually improving merchandising in our wholesale and retail distribution channels. We focus on selling solutions to our customers that integrate a variety of our product offerings. We target selected new products and geographic markets based on growth potential, including our ability to leverage our existing distribution channels. Additionally, we leverage our distribution channels through the introduction of new products and solutions, as well as the integration of products of our acquired companies.

The Internet of Things (“IoT”) has allowed companies to transform components and products into smart and connected devices. We are committed to enhancing our smart and connected capabilities by expanding our internal competencies and making strategic acquisitions. We continue to invest in these capabilities by expanding our architecture development, enhancing digital tools used by our customers, including Watts’ website, and investing in new smart and connected product development projects. Our strategy focuses on three dimensions: Connect, Control and Conserve. We have introduced and plan to continue offering new products that will connect our customers with smart systems, control systems for optimal performance, and conserve critical resources by increasing operability, efficiency and safety. In 2018, we set a goal to derive 25% of our revenue from smart and connected enabled products by the end of 2023. As of December 31, 2022, 19% of our revenue was from smart and connected enabled products. We believe we are still tracking to achieve our goal of 25% by the end of 2023.

We continue to focus on sustainability by taking steps to reduce the negative impact our operations have on the environment while generating economic value by manufacturing and selling products, solutions and technologies that enable our customers to reduce the negative impact they have on the environment. As a leading global water technology company, we address some of the world's most important sustainability priorities – the conservation, control and safe use of water. Our smart and connected strategy is anchored by a commitment to connect our customers to smart systems, control those systems for optimal performance, and conserve critical water and other resources by increasing operability, efficiency, and safety. Internally, we have reduced our global water consumption and greenhouse gas emissions, improved our safety performance, made our work environment more diverse, equitable and inclusive, and maintained robust ethics and compliance programs to help ensure we do business with integrity and in accordance with high ethical standards.

We intend to generate incremental growth by targeting select acquisitions both in our core markets and in new complementary markets. We have completed 12 acquisitions since 2012. Our acquisition strategy focuses on businesses that manufacture preferred brand name products that address our themes of safety and regulation, energy efficiency and water conservation. We target businesses that will provide us with one or more of the following: an entry into new markets, improved channel access, unique and/or proprietary technologies, advanced production capabilities or complementary solution offerings.

We are committed to reducing our manufacturing and operating costs using Lean methodologies to drive improvement across all key processes. We have a number of manufacturing facilities in lower-cost regions. In recent years, we have announced global restructuring plans which reduced our manufacturing and distribution footprint in order to reduce our costs and to realize incremental operating efficiencies.

Additionally, a majority of our manufacturing facilities are ISO 9000, 9001 or 9002 certified by the International Organization for Standardization.

The majority of our sales are for products that have been approved under regulatory standards incorporated into state and municipal plumbing, heating, building and fire protection codes in the Americas, Europe, and certain countries within APMEA. We have consistently advocated for the development and enforcement of plumbing codes and are committed to providing products to meet these standards.

Products

We have a broad range of products in terms of design distinction, size and configuration. We classify our many products into four global product categories. These product categories are:

- Residential & commercial flow control and protection products—includes products typically sold into plumbing and hot water applications such as backflow preventers, water pressure regulators, temperature and pressure relief valves, thermostatic mixing valves and leak detection and protection products. Many of our flow control and protection products are now smart and connected, warning of leaks and floods with alerts to Business Management Systems (BMS) and/or personal devices giving our customers greater insight into their water management and the ability to shut off the water supply to avoid waste and mitigate damages. Residential & commercial flow control and protection products accounted for approximately 52%, 53% and 52% of our total net sales in 2022, 2021 and 2020, respectively.
- HVAC & gas products—includes commercial high-efficiency boilers, water heaters and custom heat and hot water solutions, hydronic and electric heating systems for under-floor radiant applications, hydronic pump groups for boiler manufacturers and alternative energy control packages, and flexible stainless steel connectors for natural and liquid propane gas in commercial food service and residential applications. Most of our HVAC products feature advanced controls enabling customers to easily connect to the Building Automation System for better monitoring, control and operation. HVAC & gas products accounted for approximately 31% of our total net sales in 2022 and 2021, and 30% of our total net sales in 2020. HVAC is an acronym for heating, ventilation and air conditioning.

- Drainage & water re-use products—includes drainage products and engineered rain water harvesting solutions for commercial, industrial, marine and residential applications, including connected roof drain systems. Drainage & water re-use products accounted for approximately 10% of our total net sales in 2022 and 2021, and 11% of our total net sales in 2020.
- Water quality products—includes point-of-use and point-of-entry water filtration, monitoring, conditioning and scale prevention systems for commercial, marine and residential applications. Water quality products accounted for approximately 7%, 6% and 7% of our total net sales in 2022, 2021 and 2020, respectively.

Commercial and Operational Excellence

We strive to invest in product innovation that meets the wants and needs of our customers. Our focus is on differentiated products and solutions that will provide greater opportunity to distinguish ourselves in the marketplace. We continue to migrate away from commoditized products where it is more difficult to add value. Our goal is to be a solutions provider, not merely a components supplier. We refer to this customer-facing mindset as commercial excellence, and we are continually looking for strategic opportunities to invest or divest, where necessary, in order to meet those objectives. In conjunction with this customer-centric focus, we continually review our operations to ensure we can efficiently and effectively produce and deliver products to customers. We are also striving to simplify our administrative operations to drive further efficiencies. We call this aspect of our business operational excellence.

Customers and Markets

We sell our products to plumbing, heating and mechanical wholesale distributors and dealers, original equipment manufacturers (OEMs), specialty product distributors, and major do-it-yourself (DIY) and retail chains.

Wholesalers. Approximately 60%, 61% and 60% of our net sales in 2022, 2021 and 2020, respectively, were to wholesale distributors for commercial and residential applications.

OEMs. Approximately 15% of our net sales in 2022, 2021 and 2020 were to OEMs. In the Americas, our typical OEM customers are water heater manufacturers and equipment and water systems manufacturers needing flow control devices and other products. Our sales to OEMs in Europe are primarily to boiler manufacturers and radiant system manufacturers. Our sales to OEMs in APMEA are primarily to water heater, air conditioning, and appliance manufacturers.

Specialty. Approximately 21% of our net sales in 2022, and 19% of our net sales in 2021 and 2020 were through our specialty channel. The specialty channel primarily includes sales related to high-efficiency boilers and water heaters, water filtration and conditioning products, specialty floor and tile products, food service products and leak detection products.

DIY Chains. Approximately 4% of our net sales in 2022, and 5% of our net sales in 2021 and 2020 were to DIY chains. The DIY channel primarily includes sales related to valves and a portion of our water quality products.

In 2022, 2021 and 2020, no customer accounted for more than 10% of our total net sales. Our top ten customers accounted for \$431.7 million, or 21.8%, of our total net sales in 2022; \$371.5 million, or 20.5%, of our total net sales in 2021; and \$344.1 million, or 22.8%, of our total net sales in 2020. Thousands of other customers constituted the balance of our net sales in each of those years.

Marketing and Sales

For product sales in the Americas, we rely primarily on commissioned manufacturers' representatives to market our product lines, some of which maintain a consigned inventory of our products. These representatives sell primarily to plumbing and heating wholesalers and contractors or supply DIY stores. Our specialty channel products in the Americas are sold through independent representatives, dealers and distributors. We also sell products directly to wholesalers, OEMs and private label accounts primarily in Europe and APMEA, and, to a lesser extent, in the Americas.

We aim to inform and educate our channel partners, installers and end-use customers on how to maximize our product solutions. We do so through a variety of traditional and digital marketing avenues, including social media, trade shows, and advertising. We pride ourselves in providing industry leading product education through four distinct training vehicles: Online Courses, on-location Lunch and Learns, Live and Virtual Instructor Led Training, and Continuing Education Units (CEUs) for designers.

Manufacturing

We have integrated and automated manufacturing capabilities, including a state-of-the-art foundry dedicated exclusively to the production of products that qualify as “lead-free” under the U.S. Safe Drinking Water Act; and machining capabilities, plastic extrusion, and injection molding and assembly operations. Our foundry operations include metal pouring systems, automatic core making, and brass and bronze die-castings. Our machining operations feature computer-controlled machine tools, high-speed chucking machines with robotics, robotic assembly capability, laser-cutting technology, and automatic screw machines for machining bronze, brass and steel components. Our heating and hot water product manufacturing capabilities include all phases of light and heavy gauge metal fabrication, incorporating the latest technology for welding and brazing, as well as laser cutting; automated and robotic applications; and metal finishing, which includes chemical passivation of stainless steel. We have invested in recent years to expand our manufacturing capabilities and to adopt the most efficient and productive equipment. We are committed to maintaining our manufacturing equipment at a level consistent with current technology in order to maintain high levels of quality and manufacturing efficiencies. In 2022, we continued to invest in our systems and in our manufacturing facilities and our commercial and operational excellence initiatives.

Capital expenditures and depreciation for each of the last three years were as follows:

	Years Ended December 31,		
	2022	2021	2020
	(in millions)		
Capital expenditures	\$ 28.1	\$ 26.7	\$ 43.8
Depreciation	\$ 27.6	\$ 31.4	\$ 31.3

Purchased Raw Materials and Components

Our products are made using various purchased components and raw materials, including primarily bronze, brass, cast iron, stainless steel, steel, and plastic. Substantially all of the raw materials we require to manufacture our products are purchased from outside sources. The commodity markets have experienced tremendous volatility over the past several years, particularly with respect to copper and stainless steel, and we have experienced high inflationary pressures in these markets. Tariffs impact the total cost of our products and the components and raw materials that go into manufacturing them. Increased tariff costs could adversely impact the gross margin we earn on our products. Because we internationally source a significant amount of raw materials and components, several months of raw materials and work in process are moving through our supply chain at any point in time. We are not able to predict whether component costs or commodity costs, including copper and stainless steel, will significantly increase or decrease in the future. If component costs or commodity costs increase in the future and we are not able to reduce or eliminate the effect of the cost increases by reducing production costs or implementing price increases, our profit margins could decrease. If component costs or commodity costs were to decline, we may experience pressure from customers to reduce our selling prices. The timing of any price reductions and decreases in commodity costs may not align. As a result, our margins could be affected.

With limited exceptions, we have multiple suppliers for our components and raw materials. We believe our relationships with our key suppliers are good and that an interruption in supply from any one supplier would not materially affect our ability to meet our immediate demands while another supplier is qualified. We regularly review our suppliers to evaluate their strengths. If a supplier is unable to meet our demands, we believe that in most cases our inventory of components and raw materials will allow for sufficient time to identify and obtain the necessary commodities and other raw materials from an alternate source. We believe that the nature of the components and raw materials used in our business are such that multiple sources are generally available in the market. However, our current and alternative suppliers are largely concentrated in China. The occurrence of natural disasters, public health crises such as pandemics or epidemics, political crises such as war, terrorism or political instability, or other events that result in widespread business or supply chain disruptions in China could have a material adverse effect on our ability to obtain necessary components and raw materials, and our business and operating results could suffer.

The current global supply chain disruptions are impacting our supply of raw materials and purchased components. Refer to Item. 1A “Risk Factors” for risks related to the impact of supply chain and logistic disruptions and Item. 7 “Management’s Discussion and Analysis of Financial Condition and Results of Operations” for additional disclosure.

Code Compliance

Products representing a majority of our sales are subject to regulatory standards and code enforcement, which typically require that these products meet stringent performance criteria. Codes and standards in the Americas are established by industry and government organizations such as the American Society of Mechanical Engineers (ASME), the Canadian Standards Association (CSA), the American Society of Sanitary Engineering (ASSE), NSF International (NSF) Underwriters Laboratories (UL), the Environmental Protection Agency (EPA), the Californian Energy Commission (CEC), the International Code Council (ICC) and the International Association of Plumbing and Mechanical Officials (IAPMO). Many of the codes and standards are incorporated into state and municipal plumbing and heating, building and fire protection codes.

National regulatory standards in Europe vary by country. The major standards and/or guidelines that our products must meet are AFNOR (France), DVGW (Germany), UNI/ICIM (Italy), SVGW (Switzerland), SITAC (Sweden), WRAS (United Kingdom) and CEN (Denmark). Further, there are local regulatory standards requiring compliance as well.

We consistently advocate for the development and enforcement of plumbing codes and standards. Our product-testing capabilities and dedicated investments are areas of strength for us. Manufacturing operations consistently maintain stringent quality control and testing procedures, thus ensuring products remain in continuous compliance with all requirements. Investment in product-testing capability and in plant and equipment also ensures ongoing continuous product compliance. Additionally, a majority of our manufacturing facilities are ISO 9000, 9001 or 9002 certified by the International Organization for Standardization.

Watts also proactively monitors and participates in regulatory, codes and standards development activities with the various aforementioned entities and others. We are a primary participating member of the U.S.-based voluntary industry association American Supply Association (ASA), which provides its members with industry information and coordinates resources for addressing regulatory issues and developing and maintaining codes and standards. Watts is also a member of the Canadian Institute of Plumbing and Heating (CIPH), which provides a similar function and benefit as ASA by monitoring and advocating on behalf of its members on various legislative and regulatory issues.

New Product Development and Engineering

We retain our own product development staff, design teams, and testing laboratories in the Americas, Europe and APMEA that work to enhance our existing products and develop new products and solutions with a focus on sustainable customer-centric technological innovation and smart and connected solutions. We maintain sophisticated product development and testing laboratories and continue to invest in our smart and connected product pipeline. We employ a global new-product development process that is used to prioritize, guide and support new projects. Over the years, we have continued to bring innovation to our markets, with smart and connected advancement in our backflow product line now providing sensors for flood detection, notification, and tampering security, providing potential to avoid tremendous water loss from undetected floods. Leak detection has also become an important product group helping avoid costly water-based damage and loss, providing the ability shut off water supply remotely at the first detection of a leak with our Leak Defense system. We continue to invest in leak detection and have solutions that service both the residential market and commercial properties and multifamily units, together making water safer and cutting off water loss. We launched a new product, the Centurion, a 2000 MBH water heater that features state of the art combustion control technology, the first water heater to offer O₂ Trim which allows the unit to self-adjust and maintain optimal air/fuel rations for peak efficiency, low emissions and maximum uptime reliability. We have made advancements in our Heat Interface Units, which act as a bridge between the central boiler and the heating /cooling domestic water systems to maximize their efficiency and provide optimal comfort and energy efficiency in the home. We also launched a smart and connected boiler control which allows for operation of any boiler and provides remote connectivity for troubleshooting and system diagnosis.

In 2022, we launched 20 new smart and connected product offerings, adding to our portfolio and expansion of our smart and connected strategy. We will continue to focus on and invest in our global new product development program to leverage new technologies, inhouse expertise and our electronics capabilities to expand our smart and connected strategy.

Competition

The domestic and international markets for energy efficient products, water conservation devices, and products that address the safety and regulation for the flow of fluids, are intensely competitive and require us to compete against some companies possessing greater financial, marketing and other resources than ours. Due to the breadth of our product offerings, the number and identities of our competitors vary by product line and market. We consider quality, brand preference, delivery times, engineering specifications, plumbing code requirements, price, technological expertise, breadth of product offerings, products that help customers' sustainability efforts, and smart and connected products and solutions to be the primary competitive factors. We believe that new product development and product engineering are also important to success in the water industry and that our position in the industry is attributable in part to our ability to develop new and innovative products quickly and to adapt and enhance existing products. We continue to develop new and innovative products to expand our market position and are implementing manufacturing and design programs to reduce costs. We cannot be certain that our efforts to develop new products will be successful or that our customers will accept our new products. Although we own certain patents and trademarks that we consider to be of importance, we do not believe that our business and competitiveness as a whole are dependent on any one of our patents or trademarks or on patent or trademark protection generally.

Human Capital Management

We believe that our employees are our greatest asset, and we aim to provide a safe, inclusive and high-performance culture where our people can thrive. As of December 31, 2022, we had approximately 4,600 employees globally, including 2,100 in the Americas, 2,200 in Europe and 300 in APMEA. At Watts, we strive to attract, develop, retain and engage high performing talent and we reward employee performance. By developing and promoting our talented people, we are creating value for our customers and shareholders while advancing our Environmental, Social, and Corporate Governance ("ESG") goals. As the economy and our business grow, so does the need for highly qualified talent; hence we are always competing for the best people in an environment of increasingly challenged supply. To that end, we have developed, and continue to enhance and refine, a robust and comprehensive talent management strategy that spans from talent attraction to performance management, career development and retention of our top talent and, ultimately, to succession planning across our organization. We continually strive to cultivate and support a highly engaged and productive workforce.

Talent Acquisition

- Recruitment efforts follow a defined Talent Acquisition process to attract and hire top talent.
- We provide a robust college internship program to identify and cultivate an early-in-career pipeline of talent.
- We are actively engaging with a select group of historically Black colleges and universities, minority serving institutions, and professional organizations to help attract and recruit diverse professionals.
- We engage with external professional recruiting firms to supplement our internal recruiting efforts as needed.
- We have a rich global employee referral bonus program to attract qualified candidates and reward employees.
- We provide training to Human Resources Business Partners and hiring managers on the Watts Talent Acquisition Process.

Professional Development

- *Leadership & Inclusivity.* In 2022, we launched a global, multi-phased leadership training program for all employees that is designed to build leadership capability through a set of clear frameworks that are simple to use and easily recalled, thus enabling our employees to practice new habits and build inclusive behaviors. This training includes three modules focused on identifying bias to make better decisions, creating teams where all people feel valued and empowering people to use their voice and contribute ideas.

- *Performance Management Training.* We offer a targeted training series addressing the components of performance management to enable all employees in accomplishing their individual goals and strategic objectives of the organization. Specific modules have been developed for all employees on goal setting, performance conversations, assessing performance, and career development.
- *One Watts Performance System (OWPS) Training Program.* We want to make sure all employees are aligned with our operating philosophies and principles. Alignment helps us identify and eliminate waste and simplify and standardize our work. We have a global training program educating all employees on our philosophies and principles, empowering them to use OWPS tools in their daily work.
- *LinkedIn Learning Curriculum.* We provide a comprehensive suite of online LinkedIn Learning courses to supplement our management development training by providing employees with relevant training on specialized topics to fill in knowledge and experience gaps.
- *Coaching.* We provide global, broad-based coaching opportunities through several external partnerships that are targeted to the individual's coaching and development needs.

Engagement and Performance Management

- *Senior Leader Communication and Transparency.* We actively seek opportunities for regular engagement and communication by our CEO and other senior executive leaders with our broader employee population.
- *Employee Engagement Surveys.* We annually conduct confidential company-wide employee engagement surveys. Feedback from these surveys provides our management team with valuable information about our workplace culture. Survey results are also reviewed with our Board of Directors, or Board, and used to develop and refine other aspects of our overall human capital management and other growth strategies. In 2022, 80% of our employee population participated in a pulse survey to gain feedback on a core set of engagement items and performance drivers aligned to our business priorities.
- *Performance Management Framework.* We maintain a robust annual performance management process across the organization. Together with their managers, employees start the process by setting goals; year-end activities begin with employee self-assessments and conclude with a conversation led by the manager on goal accomplishment and defined core competencies.
- *Safety.* Employee safety is one of our highest priorities and we strive for zero hazards and zero injuries by educating and training employees on safety best practices through awareness campaigns and related engagement initiatives.

Diversity, Equity & Inclusion

An integral part of our mission to build a high performance, values-driven culture is creating an inclusive culture that welcomes and celebrates diversity. Our path to innovation starts and ends with our employees, who are fundamental to the vibrancy and success of Watts. Everything we accomplish depends on creating an environment that is engaging and supportive and enables employees to perform to their potential. This is why we have initiated a comprehensive approach to diversity, equity and inclusion focusing on awareness and education programs for our leaders and employees; monitoring engagement through employee survey feedback; creating awareness with our employees about diversity, equity and inclusion topics through our company intranet, in employee meetings and on our public website; and improving our hiring and leadership development processes to increase diversity, equity and inclusion at all levels at Watts. We have also encouraged the visibility of diverse employees through the formation of employee resource groups, which are voluntary employee-led groups that provide a forum for employees to share common interests and experiences, gain professional development support, engage with our leadership teams, and drive initiatives to improve diversity, equity and inclusion at Watts.

Sustainability

Commitment to Sustainability

We have demonstrated our commitment to environmental sustainability by reducing our impact on the environment in multiple areas of our global business and by providing innovative products and solutions that enable our customers to reduce their impact on the environment. We are also focused on building a sustainable company by adhering to responsible business practices, prioritizing employee safety and providing our employees with opportunities for personal and professional growth, including through programs and initiatives to promote diversity, equity and inclusion. We also

strive to have a positive impact on the communities in which we live and work and other communities in need through community involvement, educational partnerships and charitable giving.

Sustainability Leadership

In May 2022, our Board amended the charter of our Nominating and Corporate Governance Committee to rename it as the Governance and Sustainability Committee and to assign it primary responsibility for the oversight of our ESG efforts and strategy. The Governance and Sustainability Committee reviews the Company's ESG performance and strategic plans four times a year at its regularly scheduled quarterly meetings and receives additional updates from the Company's Chief Sustainability Officer as needed. At the management level, our General Counsel and Chief Sustainability Officer, who reports directly to our Chief Executive Officer, has general oversight responsibility for all sustainability matters. Our General Counsel and Chief Sustainability Officer also chairs our global Sustainability Steering Committee, which is made up of senior company leaders and is responsible for formulating our sustainability strategy and overseeing the execution of our environmental, social and governance initiatives.

Sustainability Strategy

The materiality principle is one of the core principles of the Global Reporting Initiative (GRI). GRI is an independent global organization that provides one of the most widely used reporting standards framework for companies to communicate and demonstrate accountability for their impacts on the environment, economy and people. In order to address the principle of materiality, a company should undertake a process of identifying its key material topics that have the greatest financial, environmental and social impact on its business, as well as those topics regarded as highly important by its key internal and external stakeholder groups. We have conducted a sustainability materiality assessment with the assistance of an external consultant. The results of that assessment are being used by the Sustainability Steering Committee to identify our key focus areas and from there to build a strategy to address the material environmental, social and governance topics identified by the materiality assessment.

Climate Change Impact

The effects of climate change present several risks for our business. Recent municipal regulations prohibiting the installation of gas powered appliances have reduced the available market for our gas powered water heaters and boilers and our gas appliance connectors. Severe weather and climate events have also negatively impacted our operations. Recent hurricanes interrupted our operations in Fort Meyers, Florida; wildfires have threatened our facilities and operations in Woodland, California and Vernon, British Columbia, Canada; flooding and droughts have negatively impacted our operations in Italy and St. Pauls, North Carolina; and freezing temperatures have interrupted our operations in San Antonio, Texas. However, none of these events individually or collectively had a material adverse effect on our financial condition and results of operations.

Climate change and the increasing focus on sustainability have also created opportunities for our business. The growing interest in energy efficient products has increased demand for our high-efficiency boilers and water heaters, our Aegis heat pumps, under floor heating systems, smart thermostats, and our Microflex insulated pipes. Concern around water conservation has led to increased interest in products that are designed to reduce water consumption, such as our ACV Assure monitoring system, Intelliflow water shut off device, ZeroWaste reverse osmosis filters, OneFlow anti-scale system, Hygienic Pro drains and our Trident™ and Leak Defense leak detection and water shutoff systems. We have also seen increased interest in our products and services that are designed to protect our customers from contaminated water and safeguard biodiversity, such as backflow preventers, HF Scientific ballast water testing systems, Intellistation® digital water mixing systems, and Lync® brand solutions. Severe weather events that cause damage to, or destruction of, water systems and plumbing devices have also resulted in increased demand for replacement products and repair kits.

Environmental Stewardship

We have made substantial progress in minimizing the environmental impact of our operations. Recent initiatives have resulted in a reduction on our global water consumption and our greenhouse gas emissions, including through the implementation of smart monitoring systems in many of our high water use facilities to promote early leak and surge detection and investments in various energy reduction projects. With respect to our product handprint, we provide a portfolio of products, components and systems that conserve water, save energy, reduce waste and preserve water quality

and safety. In addition, our goal is to embed sustainability throughout the lifecycle of our products by creating safe, efficient, long-lasting products made with high-recycling-value materials wherever possible.

Social Responsibility

We are committed to creating both economic and social value and strive to have a positive impact on our global community. During 2022, we supported those in need through donations of money and products to several non-profit charitable organizations and through the volunteer efforts of our employees. One example was our ongoing partnership with the Planet Water Foundation. During 2022, we worked with Planet Water to fund the construction of six AquaTowers and AquaSan systems, which provide clean, safe drinking water for up to 10,800 people in Cambodia, India, Mexico, the Philippines and Indonesia.

Governance, Business Ethics, and Compliance

We believe that good corporate governance and an environment of high ethical standards are important for us to achieve business success and to create value for our stockholders. Our Board is committed to high governance standards and continually works to improve them. We periodically review our corporate governance policies and practices and compare them to those suggested by various authorities on corporate governance and employed by other public companies and consider changes to our corporate governance policies and practices in light of such guidance and interpretations. We have adopted a Code of Business Conduct applicable to all officers, employees and Board members worldwide that serves as the foundation for our ethics and compliance program, and drives policy development, training initiatives, and reinforcement of our values throughout the global organization.

Recognition

In 2022, we were recognized for the fourth year in a row as one of Newsweek's Most Responsible Companies. We were also promoted to the "low-risk" category by Sustainalytics in their annual ESG Risk Rating Report.

More information about our sustainability efforts is included in our latest Sustainability Report, available at <https://investors.wattswater.com/sustainability>. The material in our Sustainability Report is for informational purposes only and is not included as part of, or incorporated by reference into, this Annual Report on Form 10-K.

Product Liability, Environmental and Other Litigation Matters

We are subject to a variety of potential liabilities connected with our business operations, including potential liabilities and expenses associated with possible product defects or failures and compliance with environmental laws. We maintain product liability and other insurance coverage, which we believe to be generally in accordance with industry practices. Nonetheless, such insurance coverage may not be adequate to protect us fully against substantial damage claims. See "Item 1A. Risk Factors" and Note 15 of the Notes to the Consolidated Financial Statements, both of which are incorporated herein by reference.

Environmental Remediation

We have been named as a potentially responsible party with respect to a limited number of identified contaminated sites. The levels of contamination vary significantly from site to site as do the related levels of remediation efforts. Environmental liabilities are recorded based on the most probable cost, if known, or on the estimated minimum cost of remediation. Accruals are not discounted to their present value, unless the amount and timing of expenditures are fixed and reliably determinable. We accrue estimated environmental liabilities based on assumptions, which are subject to a number of factors and uncertainties. Circumstances that can affect the reliability and precision of these estimates include identification of additional sites, environmental regulations, level of clean-up required, technologies available, number and financial condition of other contributors to remediation and the time period over which remediation may occur. We recognize changes in estimates as new remediation requirements are defined or as new information becomes available. See "Item 1A. Risk Factors" and Note 15 of the Notes to the Consolidated Financial Statements, both of which are incorporated herein by reference.

Asbestos Litigation

We are defending approximately 550 lawsuits in different jurisdictions, alleging injury or death as a result of exposure to asbestos. The complaints in these cases typically name a large number of defendants and do not identify any of our particular products as a source of asbestos exposure. To date, discovery has failed to yield evidence of substantial exposure to any of our products and no judgments have been entered against us.

Other Litigation

Other lawsuits and proceedings or claims, arising from the ordinary course of operations, are also pending or threatened against us.

Available Information

We maintain a website with the address www.wattswater.com. The information contained on our website is not included as a part of, or incorporated by reference into, this Annual Report on Form 10-K. Other than an investor's own internet access charges, we make available free of charge through our website our Annual Report on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K, and amendments to these reports, as soon as reasonably practicable after we have electronically filed such material with, or furnished such material to, the Securities and Exchange Commission (SEC).

Information about Our Executive Officers and Directors

Set forth below are the names of our executive officers and directors, their respective ages and positions with our Company and a brief summary of their business experience for at least the past five years:

Executive Officers	Age	Position
Robert J. Pagano, Jr.	60	Chief Executive Officer, President, Chairperson of the Board and Director
Shashank Patel	62	Chief Financial Officer
Monica Barry	52	Chief Human Resources Officer
Andre Dhawan	59	Chief Operating Officer
Kenneth R. Lepage	52	General Counsel, Chief Sustainability Officer & Secretary
Elie A. Melhem	59	President, Asia-Pacific, the Middle East & Africa
Non-Employee Directors		
Christopher L. Conway(2)(3)	67	Director
Michael J. Dubose(2)(3)	67	Director
David A. Dunbar(1)(3)	61	Director
Louise K. Goesser(2)(3)	69	Director
W. Craig Kissel(2)(3)	72	Lead Independent Director
Joseph T. Noonan	41	Director
Merilee Raines(1)(3)	67	Director
Joseph W. Reitmeier(1)(3)	58	Director

- (1) Member of the Audit Committee
- (2) Member of the Compensation Committee
- (3) Member of the Governance and Sustainability Committee

Robert J. Pagano, Jr. has served as Chief Executive Officer, President and a director of the Company since May 2014 and as Chairperson of the Board of Directors since February 2022. He also served as interim Chief Financial Officer from October 2014 to April 2015 and from April 2018 to July 2018. Mr. Pagano previously served as Senior Vice President of ITT Corporation and President, ITT Industrial Process from April 2009 to May 2014. Mr. Pagano originally joined ITT in 1997 and served in several additional management roles during his career at ITT, including as Vice President Finance, Corporate Controller, and President of Industrial Products. ITT Corporation is a diversified

manufacturer of highly engineered critical components and customized technology solutions for the energy, transportation and industrial markets. Prior to joining ITT, Mr. Pagano worked at KPMG LLP. Mr. Pagano is a Certified Public Accountant. Mr. Pagano has also served as a member of the Board of Directors of Applied Industrial Technologies, Inc. since August 2017. Applied Industrial Technologies is a distributor of bearings, power transmission products, fluid power components and other industrial supplies and provides engineering, design and systems integration for industrial and fluid power applications, as well as customized mechanical, fabricated rubber and fluid power shop services. Mr. Pagano has also served on the Board of Directors of The Water Council since October 2021. The Water Council is a non-profit organization focused on water research, education and economic development to solve critical water challenges by driving innovation in freshwater technology and advancing water stewardship.

Shashank Patel has served as Chief Financial Officer of the Company since July 2018. Mr. Patel previously worked at Xylem Inc. from the time of its spin-off from ITT Corporation in 2011 until June 2018. While at Xylem, Mr. Patel served as Vice President, Finance for Xylem Applied Water Systems, Dewatering and the America's Commercial Team from July 2017 to June 2018, Integration Leader for the Sensus business from August 2016 to June 2017, Vice President, Finance for Global Operations from April 2016 to July 2016, Interim Chief Financial Officer of Xylem from July 2015 to March 2016, and Vice President, Finance for the Applied Water Systems division from 2011 to July 2015. Mr. Patel also served in several leadership roles in finance, operations and engineering at ITT from 1996 until the spin-off of Xylem in 2011. Xylem is a global designer, manufacturer and equipment and service provider for water and wastewater applications. Mr. Patel has served as a member of the Board of Directors of Federal Signal Corporation since October 2021. Federal Signal Corporation designs, manufactures and supplies a suite of products and integrated solutions for municipal, governmental, industrial and commercial customers.

Monica Barry has served as Chief Human Resources Officer of the Company since October 2021. Ms. Barry previously served as Vice President, Talent Management, Organizational Development and Corporate Human Resources Business Partner with Colfax Corporation from February 2020 to September 2021. Colfax is a global diversified technology company that provides specialty medical technologies and fabrication technology products and services. Ms. Barry served as Vice President, Global Talent, Learning & Development and Inclusion from July 2015 to January 2020 and as Vice President, Human Resources, Health Sector from August 2012 to October 2015 for Johnson Matthey, PLC. Johnson Matthey is a provider of catalyst systems for emission control within vehicles, products and processing services for the efficient use and transformation of natural resources, active pharmaceutical ingredients for a variety of treatments and drugs, and emerging opportunities in battery materials and fuel cells. From 2010 to 2012, Ms. Barry served as Director Human Resources, North America Supply Chain & Labor Relations for The Campbell Soup Company. Prior to 2010, Ms. Barry held several human resources and operations management positions with FMC Corporation.

Andre Dhawan has served as Chief Operating Officer of the Company since August 2022. Mr. Dhawan previously worked at Gilbarco Veeder-Root, a subsidiary of Vontier Corporation and formerly a subsidiary of Danaher Corporation and Fortive Corporation. While at Gilbarco Veeder-Root, Mr. Dhawan served as President, Americas from July 2020 to July 2022 and President, EMEA & APAC from July 2015 to July 2020. Gilbarco Veeder-Root is a global manufacturer of fueling and convenience store equipment and technology. Mr. Dhawan also served as President, EMEA for Xylem Inc. from 2013 to 2014 following its spin-off from ITT Corporation. From 1998 to 2012, Mr. Dhawan served in a number of progressively more senior leadership positions within ITT Corporation.

Kenneth R. Lepage has served as General Counsel and Secretary of the Company since August 2008 and as Chief Sustainability Officer since May 2021. Mr. Lepage also previously served as Chief Human Resources Officer of the Company from April 2020 to October 2021 and from December 2009 to October 2015. Mr. Lepage originally joined the Company in September 2003 as Assistant General Counsel and Assistant Secretary. Prior to joining the Company, Mr. Lepage was a Junior Partner at the law firm of Hale and Dorr LLP (now Wilmer Cutler Pickering Hale and Dorr LLP).

Elie A. Melhem has served as President, Asia Pacific, Middle East & Africa since February 2016. Mr. Melhem originally joined the Company in July 2011 as President, Asia Pacific. Mr. Melhem was previously the Managing Director of China for Ariston Thermo Group, a global manufacturer of heating and hot water products, from 2008 to July 2011. Prior to joining Ariston, Mr. Melhem spent eleven years with ITT Industries in China where he held several management positions, including serving as President of ITT's Residential and Commercial Water Group in China and President of ITT's Water Technology Group in Asia.

Christopher L. Conway has served as a director of the Company since June 2015. Mr. Conway was President, Chief Executive Officer and Chairman of the Board of CLARCOR Inc. from December 2011 until it was acquired in February 2017. Mr. Conway is now retired. Mr. Conway originally joined CLARCOR in 2006 and served in several senior management roles prior to becoming President and Chief Executive Officer, including Chief Operating Officer, President of CLARCOR's PECOFacet division, President of Facet USA, Inc., an affiliate of CLARCOR, and Vice President of Manufacturing of Baldwin Filters, Inc., another affiliate of CLARCOR. CLARCOR was a diversified marketer and manufacturer of mobile, industrial and environmental filtration products sold in domestic and international markets. Prior to joining CLARCOR, Mr. Conway served for two years as the Chief Operating Officer of Cortron Corporation, Inc., a manufacturing start-up based in Minneapolis, Minnesota. Mr. Conway also served for seven years in various management positions at Pentair, Inc., an international provider of products, services, and solutions for its customers' diverse needs in water and other fluids, thermal management, and equipment protection.

Michael J. Dubose has served as a director of the Company since December 2020. Mr. Dubose has served as President of the Fisher Healthcare Division of Thermo Fisher Scientific Inc. since March 2019. Thermo Fisher Scientific engages in the provision of analytical instruments, equipment, reagents and consumables, software and services for research, analysis, discovery, and diagnostics. Mr. Dubose previously served as Vice President of National Accounts and Cross Border Business Globally for W.W. Grainger, Inc. from 2010 to March 2019. W. W. Grainger is a leading broad line supplier of maintenance, repair and operating (MRO) products, with operations primarily in North America, Japan and Europe. Prior to this position, he served as a Regional Vice President of Staples, Inc. from 2008 to 2010. Prior to 2008, Mr. Dubose held senior management positions with Corporate Express Inc., Alliant Foodservice Inc. and Baxter International Inc.

David A. Dunbar has served as a director of the Company since February 2017. Mr. Dunbar has served as President and Chief Executive Officer and a member of the Board of Directors of Standex International Corporation since January 2014, and as Chairman since October 2016. Standex is a global, multi-industry manufacturer comprised of five broad business segments: Electronics, Engraving, Scientific, Engineering Technologies and Specialty Solutions. Mr. Dunbar previously served as President of the valves and controls global business unit of Pentair Ltd. from October 2009 to December 2013. The unit was initially owned by Tyco Flow Control and Tyco Flow Control and Pentair merged in 2012. Pentair is a global provider of products and services relating to energy, water, thermal management and equipment protection. Prior to his tenure at Pentair, Mr. Dunbar held a number of senior positions at Emerson Electric Co., including President of each of the following: Emerson Process Management Europe; Machinery Health Management; and Emerson Climate Technologies Refrigeration.

Louise K. Goeser has served as a director of the Company since March 2018. Ms. Goeser served as President and Chief Executive Officer of Grupo Siemens S.A. de C.V. from March 2009 until her retirement in May 2018. In this position, Ms. Goeser was responsible for Siemens Mesoamérica, which is the Mexican, Central American and Caribbean unit of multinational Siemens AG, a global engineering company operating in the industrial, energy and healthcare sectors. Ms. Goeser previously served as President and Chief Executive Officer of Ford of Mexico from January 2005 to November 2008. Prior to this position, she served as Vice President, Global Quality for Ford Motor Company from 1999 to 2005. Prior to 1999, Ms. Goeser served as General Manager, Refrigeration and Vice President, Corporate Quality at Whirlpool Corporation and held various leadership positions with Westinghouse Electric Corporation. Ms. Goeser has served as a member of the Board of Directors of MSC Industrial Direct Co., Inc. since December 2009. MSC is a North American distributor of metal working and maintenance, repair, and operations products and services. Ms. Goeser previously served as a member of the boards of directors of Talen Energy from June 2015 to December 2016, PPL Corporation from March 2003 to June 2015, and Witco Corporation from 1997 to 1999.

W. Craig Kissel has served as a director of the Company since October 2011. Mr. Kissel has served as Lead Independent Director of our Board of Directors since February 2022 and served as the Chairperson of our Board of Directors from October 2014 to February 2022. Mr. Kissel previously was employed by American Standard Companies Inc. from 1980 until his retirement in September 2008. American Standard was a leading worldwide supplier of air conditioning and heating systems, vehicle control systems, and bathroom china and faucet ware. During his time at American Standard, Mr. Kissel served as President of Trane Commercial Systems from 2004 to June 2008, President of WABCO Vehicle Control Systems from 1998 to 2003, President of the Trane North American Unitary Products Group from 1994 to 1997, Vice President of Trane Marketing of the North American Unitary Products Group from 1992 to 1994 and held various other management positions at Trane from 1980 to 1991. From 2001 to 2008, Mr. Kissel served as Chairman of American Standard's Corporate Ethics and Integrity Council, which was responsible for developing the company's ethical business standards. Mr. Kissel also served in the U.S. Navy from 1973 to 1978. Mr. Kissel served as a director of

Chicago Bridge & Iron Company from May 2009 until its merger with McDermott International, Inc. in May 2018 and then Mr. Kissel served as a member of the board of directors of McDermott International until June 2020. McDermott International is a global provider of technology, engineering and construction solutions for the energy industry.

Joseph T. Noonan has served as a director of the Company since May 2013. Mr. Noonan is currently an angel investor and advisor to consumer, software and technology-enabled companies. Mr. Noonan served as Founder and Chief Executive Officer of Linger Home, Inc., a direct-to-consumer home textile brand, from August 2018 to January 2020. From November 2013 to January 2018, Mr. Noonan served as Chief Executive Officer of Homespun Design, Inc., an online marketplace for American-made furniture and home accents. Mr. Noonan previously worked as an independent digital strategy consultant from November 2012 to November 2013. Mr. Noonan was employed by Wayfair LLC from April 2008 to November 2012. During his time at Wayfair, Mr. Noonan served as Senior Director of Wayfair International from June 2011 to November 2012, Director of Category Management and Merchandising from February 2009 to June 2011 and Manager of Wayfair's Business-to-Business Division from April 2008 to February 2009. Wayfair is an online retailer of home furnishings, décor and home improvement products. Prior to joining Wayfair, Mr. Noonan worked as a venture capitalist at Polaris Partners and as an investment banker at Cowen & Company.

Merilee Raines has served as a director of the Company since February 2011. Ms. Raines served as Chief Financial Officer of IDEXX Laboratories, Inc. from October 2003 until her retirement in May 2013. Prior to becoming Chief Financial Officer, Ms. Raines held several management positions with IDEXX Laboratories, including Corporate Vice President of Finance, Vice President of Finance and Treasurer, Director of Finance, and Controller. IDEXX Laboratories develops, manufactures and distributes products and provides services primarily for the companion animal veterinary, livestock and poultry, dairy and water testing industries. Ms. Raines served as a member of the Board of Directors of Affymetrix, Inc., a provider of life science and molecular diagnostic products that enable analysis of biological systems at the gene, protein and cell level, from January 2015 until it was acquired in March 2016. Ms. Raines also served as a member of the Board of Directors of Aratana Therapeutics, Inc., a pet therapeutics company focused on licensing, developing and commercializing biopharmaceutical products for companion animals, from February 2014 until it was acquired in July 2019. Ms. Raines served as a member of the Board of Directors of Benchmark Electronics, Inc., a worldwide provider of engineering services, integrated technology solutions and electronic manufacturing services from May 2018 to June 2021. Ms. Raines has served as a member of the Board of Directors of TransMedics Group, Inc., a medical technology company providing novel systems for the preservation and transport of organs to be used for transplant, since January 2021, and as a member of the Board of Directors of Ocular Therapeutix, Inc., a biopharmaceutical company focused on the formulation, development and commercialization of innovative therapies for diseases and conditions of the eye, since September 2021.

Joseph W. Reitmeier has served as a director of the Company since February 2016. Mr. Reitmeier has served as Executive Vice President & Chief Financial Officer of Lennox International Inc. since July 2012. Mr. Reitmeier had served as Vice President of Finance for the LII Commercial business segment of Lennox International from 2007 to July 2012 and as Director of Internal Audit from 2005 to 2007. Lennox International is a leading global provider of climate control solutions and designs, manufactures and markets a broad range of products for the heating, ventilation, air conditioning and refrigeration markets. Before joining Lennox International, Mr. Reitmeier held financial leadership roles at Cummins Inc. and PolyOne Corporation.

Item 1A. RISK FACTORS.

Industry Risk Factors

Economic cycles, particularly those involving reduced levels of commercial and residential starts and remodeling, may have adverse effects on our revenues and operating results.

We have experienced and expect to continue to experience fluctuations in revenues and operating results due to economic and business cycles. The businesses of most of our customers, particularly plumbing and heating wholesalers and OEM manufacturers, are cyclical. Therefore, the level of our business activity has been cyclical, fluctuating with economic cycles. An economic downturn may also affect the financial stability of our customers, which could affect their ability to pay amounts owed to their vendors, including us. We also believe our level of business activity is influenced by commercial and residential starts and renovation and remodeling, which are, in turn, heavily influenced by interest rates, consumer debt levels, changes in disposable income, employment growth and consumer confidence. Credit market conditions may prevent commercial and residential builders or developers from obtaining the necessary capital to

continue existing projects or to start new projects. This may result in the delay or cancellation of orders from our customers or potential customers and may adversely affect our revenues and our ability to manage inventory levels, collect customer receivables and maintain profitability. Economic conditions and financial markets in the United States and globally have experienced significant volatility. Central banks have raised interest rates to slow inflationary conditions. The economic conditions for fiscal year 2023 are predicted to be very challenging as a result of the inflationary environment, higher interest rates, labor challenges and potential recession. We cannot predict how ongoing inflation, risk of recession, the war in Ukraine, COVID-19 restrictions, supply chain disruptions and related costs may impact our ability to service our customers or the potential impact on our profit margins going forward. If these market conditions persist, we may see diminished liquidity and credit availability, inability to access capital markets, and the bankruptcy, failure, collapse, or sale of various entities that could directly or indirectly impact our business, including certain of our customers and suppliers. If economic conditions worsen in the future, our revenues and profits could decrease or trigger additional goodwill, indefinite-lived intangible assets, or long-lived asset impairments and could have a material adverse effect on our financial condition and results of operations.

Changes in the costs of raw materials and purchased components, including imposition of or changes in tariff rates, as well as supply chain and logistics disruptions, could reduce our profit margins and adversely affect our ability to meet our customer delivery commitments.

Our products are made using various purchased components and raw materials, including primarily bronze, brass, cast iron, stainless steel, steel and plastic. Substantially all of the raw materials we require to manufacture our products are purchased from outside sources. The costs and availability of raw materials and components may be subject to change due to, among other things, interruptions in production by suppliers, changes in worldwide price, demand levels, exchange rates and imposition of or changes in tariff rates. We typically do not enter into long-term supply agreements. Our inability to obtain supplies of raw materials and purchased components for our products at favorable costs could have a material adverse effect on our business, financial condition or results of operations by decreasing our profit margins. Commodity prices, particularly copper and stainless-steel prices, have experienced tremendous volatility over the past several years, mainly due to global macroeconomic trends, including global price inflation, supply chain disruption and the war in Ukraine. Should commodity costs or purchased component costs increase substantially, we may not be able to recover such costs, through selling price increases to our customers or other product cost reductions, which would have a negative effect on our financial results. If commodity costs or purchased component costs decline, we may experience pressure from customers to reduce our selling prices. Additionally, we continue to purchase components and finished goods from international sources. In limited cases, these components or finished goods are single-sourced. The availability of components and finished goods from international sources could be adversely impacted by, among other things, interruptions in production by suppliers including due to pandemics or other public health crises, suppliers' allocations to other purchasers, threats of wars and global geo-political instability, and new laws, tariffs or regulations.

As a global manufacturer and distributor, we are facing additional risks related to ongoing disruptions and increased costs in our supply chain and logistics. Although the global supply chain disruptions have shown signs of easing, some logistics issues and electronic component shortages remain. We are experiencing inflation across our cost of materials, labor, transportation, and energy. Labor shortages and workforce disruptions have affected our manufacturing and distribution processes, as well as those of our suppliers. The ongoing war in Ukraine has added strain to the European markets and the global economy, as well as exacerbated inflation, particularly energy inflation.

We face intense competition and, if we are not able to respond to competition in our markets, our revenues and profits may decrease.

Competitive pressures in our markets could adversely affect our competitive position, leading to a possible loss of market share or a decrease in prices, either of which could result in decreased revenues and profits. We encounter intense competition in all areas of our business. To remain competitive, we will need to invest continually in manufacturing, product development, marketing, customer service and support and our distribution networks. We may not have sufficient resources to continue to make such investments and we may be unable to maintain our competitive position. In addition, we may have to reduce the prices of some of our products to stay competitive, potentially resulting in a reduction in the profit margin for, and inventory valuation of, these products. Some of our competitors are based in foreign countries and have cost structures and prices in foreign currencies. Accordingly, currency fluctuations could cause our U.S. dollar costed products to be less competitive than our competitors' products costed in other currencies.

We are subject to risks associated with changing technology, product innovation, manufacturing techniques, operational flexibility and business continuity, which could place us at a competitive disadvantage.

The successful implementation of our business strategy requires us to continually evolve our existing products and introduce new products to meet customers' needs in the industries we serve, as evidenced by our investments in our smart and connected strategy. Many of our products are characterized by stringent performance and specification requirements that mandate a high degree of manufacturing, engineering, and technological expertise. If we fail to meet these requirements, or if our product offerings, including our smart and connected products, are not accepted by the market, our business could be at risk. We believe that our customers rigorously evaluate their suppliers on the basis of a number of factors, including product quality, price competitiveness, technical and manufacturing expertise, development and product design capability, new product innovation, reliability and timeliness of delivery, operational flexibility, customer service and overall management. Our success will depend on our ability to continue to meet customers' changing specifications with respect to these criteria. We cannot ensure that we will be able to address technological advances or introduce new products that may be necessary to remain competitive within our business. We cannot ensure that we can adequately protect any of our technological developments to produce a sustainable competitive advantage. Furthermore, we may be subject to business continuity risk in the event of an unexpected loss of a material facility or operation. We cannot ensure that we adequately protect against such loss.

Economic and other risks associated with international sales and operations could adversely affect our business and future operating results.

Since we sell and manufacture our products worldwide, our business is subject to risks associated with doing business internationally. Our business and future operating results could be harmed by a variety of factors, including:

- unexpected geo-political events in foreign countries in which we operate, which could adversely affect manufacturing and our ability to fulfill customer orders; and threats of war, terrorism or governmental instability, including the war in Ukraine;
- our failure to comply with anti-corruption laws and regulations of the U.S. government and various international jurisdictions, such as the U.S. Foreign Corrupt Practices Act and the United Kingdom's Bribery Act of 2010;
- trade protection measures and import or export duties or licensing requirements, which could increase our costs of doing business internationally;
- potentially negative consequences from changes in tax laws, which could have an adverse impact on our profits;
- difficulty in staffing and managing widespread operations, which could reduce our productivity;
- costs of compliance with differing labor regulations, especially in connection with restructuring our overseas operations;
- laws of some foreign countries, which may not protect our intellectual property rights to the same extent as the laws of the U.S.;
- unexpected changes in regulatory requirements, which may be costly and require time to implement; and
- foreign exchange rate fluctuations, which could also materially affect our reported results. A portion of our net sales and certain portions of our costs, assets and liabilities are denominated in currencies other than U.S. dollars. Approximately 34%, 38% and 37% of our net sales in 2022, 2021 and 2020, respectively, were from sales outside of the U.S. The U.S. dollar strengthened as compared to many foreign currencies, including the Euro, during fiscal 2022, which adversely affected reported revenues of our international subsidiaries. We cannot predict whether currencies such as the euro, Canadian dollar, Chinese yuan, or other currencies in which we transact will appreciate or depreciate against the U.S. dollar in future periods or whether future foreign exchange rate fluctuations will have a positive or negative impact on our reported results.

The COVID-19 pandemic has adversely affected, and may continue to adversely affect, our business, financial condition, results of operations and prospects.

The COVID-19 pandemic, the resulting global economic slowdown, and the reopening of global economies that has followed have created a number of macroeconomic challenges that have impacted our business, including volatility and uncertainty in business planning, disruptions in global supply chains, material, freight and labor inflation, shortages of and delays in obtaining certain materials and component parts, and labor shortages. New variants of COVID-19 and other future public health crises and pandemics may affect our operating and financial results in a manner that is not presently known to us or not presently considered to be a significant risk to our operations. The impact of the COVID-19 pandemic and other future public health crises and pandemics may also have the effect of heightening many of the other risks and uncertainties described in this “Risk Factors” section.

Company Risk Factors

Our business and financial performance may be adversely affected by information technology and other business disruptions.

Our business may be impacted by disruptions, including information technology attacks or failures, threats to physical security, as well as damaging weather, fire or other acts of nature. We depend heavily on information technology infrastructure including third-party data centers and other third-party cloud services to manage our business objectives and operations, support our customers’ requirements and protect sensitive information. Any damage to, or failure of, our systems or the third-party hosting facility or other service that we use, could severely impact our ability to conduct our business operations, attract new customers, maintain existing customers, or result in a material weakness in our internal control over financial reporting, any of which could materially adversely affect our future operating results. While we have taken steps to reduce interruptions by implementing additional internal controls, network and data center resiliency, redundancy and recovery processes, these measures may be inadequate. Our information technology risks also relate to cyber security attacks and disruptions caused by potential failures in the performance of our primary enterprise resource planning (ERP) system.

Cyber security attacks, in particular, are evolving and include, but are not limited to, malicious software, attempts to gain unauthorized access to data, and other electronic security breaches that could lead to disruptions in systems, unauthorized release of confidential or otherwise protected information and corruption of data. Cyber security may also be breached due to employee error, malfeasance, system errors or vulnerabilities, including vulnerabilities of our customers, distributors, vendors, suppliers, and their products. We have experienced certain cyber security attacks and may continue to experience them going forward, potentially with more frequency. We have a portion of our workforce working remotely, which may heighten these risks. In addition, we have designed products and services that connect to and are part of the “Internet of Things” which may also be vulnerable to cyber security breaches. As we continue to design and develop smart and connected products, services and solutions that leverage our hosted or cloud-based resources, the Internet-of-Things and other wireless/remote technologies, and include networks of distributed and interconnected devices that contain sensors, data transfers and other computing capabilities, our customers' data and systems may be subjected to harmful or illegal content or attacks, including potential cybersecurity threats. Additionally, we may not have adequately anticipated or precluded such cybersecurity threats through our product design or development. Consequently, these products, services and solutions also may be subjected to harmful or illegal content or attacks that develop vulnerabilities or critical security issues that cannot be disclosed without compromising security. If we need to address multiple vulnerabilities simultaneously, we may also need to make prioritization decisions in determining which vulnerabilities or security defects to fix first, and the timing of these fixes, which could result in compromised security. These vulnerabilities and security defects could expose us or our customers to a risk of loss, disclosure, or misuse of data; adversely affect our operating results; result in litigation, liability, or regulatory action (including under laws related to privacy, data protection, data security, network security, and consumer protection); deter customers or sellers from using our products, services and solutions; and otherwise harm our business and reputation. We have adopted measures and incurred cost to mitigate potential risks associated with information technology disruptions and cybersecurity threats; however, there is no assurance that these measures will prevent cyber-attacks or security breaches. In addition, cybersecurity and data privacy and protection laws and regulations are evolving and present increasing compliance challenges, which may increase our costs, affect our competitiveness and expose us to substantial fines or other penalties.

We also may experience unplanned system interruptions or outages of our primary ERP system as it continues to age, which may affect our ability to support and maintain the system in an effective manner. Any disruptions, delays or deficiencies related to our primary ERP system could lead to substantial business interruption, including our ability to perform routine business transactions, which could have a material adverse effect on our financial results.

Given the unpredictability of the timing, nature and scope of such disruptions, we could potentially be subject to production downtimes, operational delays, other detrimental impacts on our operations or ability to provide products to our customers, the compromising of confidential or otherwise protected information, misappropriation, destruction or corruption of data, security breaches, other manipulation or improper use of our systems, networks or our products, financial losses from remedial actions, loss of business or potential liability, and/or damage to our reputation, any of which could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

We plan to replace our current primary ERP system with a new ERP system, and this system implementation is expected to occur in phases over the next several years. Any software implementation requires significant investment of human and financial resources and we may experience significant delays, increased costs and other difficulties. Any significant disruption or deficiency in the design and implementation of our software systems, including our new ERP, could adversely affect our ability to process orders, ship product, send invoices and track payments, fulfill contractual obligations or otherwise operate our business. While we invest significant resources in planning and project management, significant issues may arise, which could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition. In addition, our current primary ERP system will continue to be used over the course of the phased implementation and we may experience system interruptions or deficiencies as described in the paragraph above.

Implementation of our acquisition strategy may not be successful, which could affect our ability to increase our revenues or our profitability.

One of our strategies is to increase our revenues and profitability and expand our business through acquisitions that will provide us with complementary products and solutions and increase market share for our existing product categories. We cannot be certain that we will be able to identify, acquire or profitably manage additional companies or successfully integrate such additional companies without substantial costs, delays or other problems. Also, companies acquired recently and in the future may not achieve anticipated revenues, cost synergies, profitability or cash flows that justify our investment in them. We have faced increasing competition for acquisition candidates, which has resulted in significant increases in the purchase prices of many acquisition candidates. This competition, and the resulting purchase price increases, may limit the number of acquisition opportunities available to us, possibly leading to a decrease in the rate of growth of our revenues and profitability. In addition, acquisitions may involve a number of risks, including, but not limited to:

- inadequate internal control over financial reporting and our ability to bring such controls into compliance with the requirements of Section 404 of the Sarbanes-Oxley Act of 2002 in a timely manner;
- adverse short-term effects on our reported operating results;
- diversion of management's attention;
- investigations of, or challenges to, acquisitions by competition authorities;
- loss of key personnel at acquired companies;
- unanticipated management or operational problems or legal liabilities; and
- potential goodwill, indefinite-lived intangible assets, or long-lived asset impairment charges.

We are subject to risks related to product defects, which could result in product recalls and could subject us to warranty claims in excess of our warranty provisions or which are greater than anticipated due to the unenforceability of liability limitations.

We cannot be certain that our quality controls and procedures, including the testing of raw materials and safety testing of selected finished products, will reveal latent defects in our products or the materials from which they are made, which may not become apparent until after the products have been sold into the market. We also cannot be certain that our

suppliers will always eliminate latent defects in products we purchase from them. Accordingly, there is a risk that product defects will occur, which could require a product recall. Product recalls can be expensive to implement and, if a product recall occurs during the product's warranty period, we may be required to replace the defective product. In addition, a product recall may damage our relationship with our customers and we may lose market share with our customers. Our insurance policies may not cover the costs of a product recall.

Our standard warranties contain limits on damages and exclusions of liability for consequential damages and for misuse, improper installation, alteration, accident or mishandling while in the possession of someone other than us. We may incur additional operating expenses if our warranty provision does not reflect the actual cost of resolving issues related to defects in our products. If these additional expenses are significant, it could adversely affect our business, financial condition and results of operations.

We face risks from product liability and other lawsuits, which may adversely affect our business.

We have been and expect to continue to be subject to various product liability claims or other lawsuits, including, among others, that our products include inadequate or improper instructions for use or installation, inadequate warnings concerning the effects of the failure of our products, alleged manufacturing or design defects, or allegations that our products contain asbestos. If we do not have adequate insurance or contractual indemnification, damages from these claims would have to be paid from our assets and could have a material adverse effect on our results of operations, liquidity and financial condition. Like other manufacturers and distributors of products designed to control and regulate fluids and gases, we face an inherent risk of exposure to product liability claims and other lawsuits in the event that the use of our products results in personal injury, property damage or business interruption to our customers. We cannot be certain that our products will be completely free from defect. In addition, in certain cases, we rely on third-party manufacturers for our products or components of our products. We cannot be certain that our insurance coverage will continue to be available to us at a reasonable cost, or, if available, will be adequate to cover any such liabilities. For more information, see Item 1. "Business—Product Liability, Environmental and Other Litigation Matters" and Note 15 of the Notes to the Consolidated Financial Statements, both of which are incorporated herein by reference.

We face risks from costs for environmental compliance and/or to address potential liabilities under environmental laws and regulations.

Our operations and facilities worldwide are subject to laws and regulations related to pollution and the protection of the environment, health and safety, including, but not limited to those governing air emissions, discharges to water, the generation, handling, storage, treatment and disposal of hazardous wastes and other materials, and the remediation of contaminated sites. A failure by us to comply with applicable requirements or maintain the permits required for our operations could result in civil or criminal fines, penalties, enforcement actions, third-party claims for property damage and personal injury, requirements to clean up property or to pay for the costs of cleanup or regulatory or judicial orders enjoining or curtailing operations or requiring corrective measures, including the installation of pollution control equipment or remedial actions.

Certain environmental laws and regulations impose on present and former owners and operators of facilities and sites, and on potentially responsible parties ("PRPs") for sites to which such parties may have sent waste for disposal, requirements to investigate and remediate contamination. Such liability can be imposed without regard to fault and, under certain circumstances, may be joint and several, resulting in one PRP being held responsible for the entire obligation. Liability may also include damages to natural resources. On occasion we are involved in such investigations and/or cleanup, and also have been and could continue to be named as a PRP in environmental matters.

The discovery of additional contamination, including at acquired facilities, the imposition of more stringent environmental, health and safety laws and regulations, including cleanup requirements, or the insolvency, or other grounds for refusing to participate, of other responsible parties could require us to incur capital expenditures or operating costs materially in excess of our accruals. Future investigations we undertake may lead to discoveries of contamination that must be remediated, and decisions to close facilities may trigger remediation requirements that are not currently applicable. We may also face liability for alleged personal injury or property damage due to exposure to hazardous substances used or disposed of by us, contained within our current or former products, or present in the soil or groundwater at our current or former facilities. We could incur significant costs in connection with such liabilities. See Item 1. "Business—Product Liability, Environmental and Other Litigation Matters" and Note 15 of the Notes to the Consolidated Financial Statements, both of which are incorporated herein by reference.

Climate change, and legislation or regulations addressing climate change, may have an adverse impact on our business and results of operations.

The impacts of climate change are highly unpredictable and vary depending on geographical location, but could include changing temperatures, droughts, water shortages, wildfires, changes in weather and rainfall patterns, changes in sea levels, and changing storm patterns and intensities. These impacts present several potential challenges to water and energy related products, such as potential degradation of water quality and changes in water conservation or energy efficiency requirements, particularly during periods of increased precipitation, flooding, or water shortages. Inclement weather and extreme weather events may have varying impacts on our business. Certain events may disrupt the operations of our customers, creating customer shutdowns that prevent or defer sales of our product, while other events may drive increased demand for our products, which may create volatility in our financial results. Additionally, these events may disrupt our own operations and the operations of our suppliers, including the operation of manufacturing plants, the transportation of raw materials from our suppliers, and the transportation of products to our customers, any of which may increase our costs, reduce our productivity and adversely affect our business, financial condition, results of operations and prospects. Additionally, concern over climate change may result in new or increased legal and regulatory requirements to reduce or mitigate the effects of climate change, including limitations on greenhouse gas emissions, which could increase our costs or require additional investments in our facilities and equipment, and require us to make significant new disclosures regarding the climate-related impacts of our business. New legislation and regulatory requirements may also impact our customers and suppliers, which could affect demand for our products or our ability to source key materials. In addition, our customers and suppliers may impose their own requirements with respect to climate change and greenhouse gas emissions, that may require us to incur additional costs to comply with such requirements. Any failure to comply with those requirements may also affect demand for our products or our ability to source key materials. We establish our own goals with respect to reducing our impact on the environment. Any failure to achieve our own goals, or any perception of a failure to act responsibly with respect to the environment or to effectively respond to regulatory requirements concerning climate change can lead to adverse publicity, resulting in an adverse effect on our business or damage to our reputation.

Our ability to achieve savings through our restructuring and business transformation activities may be adversely affected by management's ability to fully execute the plans as a result of local regulations, geo-political risk or other factors within or beyond the control of management.

We have implemented a number of restructuring and business transformation activities, which include steps that we believe are necessary to enhance the value and performance of the Company, including reducing operating costs and increasing efficiencies throughout our manufacturing, sales and distribution footprint. Factors within the control of management, or factors beyond management's control such as local labor regulations or legal or political intervention, may change the total estimated costs or the timing of when the savings will be achieved under the plans. Further, if we are not successful in completing the restructuring or business transformation activities timely or if additional or unanticipated issues such as labor disruptions, inability to retain key personnel during and after the transformation or higher exit costs arise, our expected cost savings may not be met and our operating results could be negatively affected. In addition, our restructuring and transformation activities may place substantial demands on our management, which could lead to diversion of management's attention from other business priorities and result in a reduced customer focus.

The requirements to evaluate goodwill, indefinite-lived intangible assets and long-lived assets for impairment may result in a write-off of all or a portion of our recorded amounts, which would negatively affect our operating results and financial condition.

As of December 31, 2022, our balance sheet included goodwill, indefinite-lived intangible assets, amortizable intangible assets and property, plant and equipment of \$592.4 million, \$35.0 million, \$78.7 million and \$196.8 million, respectively. In lieu of amortization, we are required to perform an annual impairment review of both goodwill and indefinite-lived intangible assets. In 2022, 2021 and 2020, none of our goodwill reporting units or our indefinite lived tradenames were impaired. We are also required to perform an impairment review of our long-lived assets if indicators of impairment exist. In 2022, we recognized a pre-tax non-cash impairment charge of \$1.3 million related to a technology intangible asset. In 2020, we recognized a pre-tax non-cash impairment charge of \$1.4 million related to a long-lived asset and a technology intangible asset. These impairments were due to market value expectations indicating the carrying amounts of these assets were in excess of the fair value. In 2021 none of our long-lived assets were impaired.

There can be no assurances that future goodwill, indefinite-lived intangible assets or other long-lived asset impairments will not occur. We perform our annual test for indications of goodwill and indefinite-lived intangible assets impairment in the fourth quarter of our fiscal year or sooner if indicators of impairment exist.

The loss or financial instability of major customers could have an adverse effect on our results of operations.

In 2022, our top ten customers accounted for approximately 22% of our total net sales with no one customer accounting for more than 10% of our total net sales. Our customers generally are not obligated to purchase any minimum volume of products from us and are able to terminate their relationships with us at any time. In addition, increases in the prices of our products could result in a reduction in orders from our customers. A significant reduction in orders from, or change in terms of contracts with, any significant customers could have a material adverse effect on our future results of operations.

Our credit facility may limit our ability to pay dividends, incur additional debt and make acquisitions and other investments.

Our revolving credit facility contains operational and financial covenants that restrict our ability to make distributions to stockholders, incur additional debt and make acquisitions and other investments unless we satisfy certain financial tests and comply with various financial ratios. If we do not maintain compliance with these covenants, our creditors could declare a default under our revolving credit facility, and our indebtedness could be declared immediately due and payable. Our ability to comply with the provisions of our indebtedness may be affected by changes in economic or business conditions beyond our control. Further, one of our strategies is to increase our revenues and profitability and expand our business through acquisitions. We may require capital in excess of our available cash and the unused portion of our revolving credit facility to make large acquisitions, which we would generally obtain from access to the credit markets. There can be no assurance that if a large acquisition is identified that we would have access to sufficient capital to complete such acquisition. Should we require additional debt financing above our existing credit limit, we cannot be assured such financing would be available to us or available to us on reasonable economic terms.

Our inability to attract and retain key personnel may adversely affect our business.

Our success depends on our ability to recruit, retain and develop highly-skilled management and key personnel. Competition for these individuals in our industry is intense and we may not be able to successfully recruit, train or retain qualified personnel, or to effectively implement successions to existing personnel. If we fail to retain and recruit the necessary personnel or arrange for successors to key personnel, our business could materially suffer.

Investment Risk Factors

One of our stockholders can exercise substantial influence over our Company.

As of December 31, 2022, Timothy P. Horne beneficially owned 5,938,290 shares of Class B common stock. Our Class B common stock entitles its holders to ten votes for each share, and our Class A common stock entitles its holders to one vote per share. As of December 31, 2022, Timothy P. Horne beneficially owned approximately 18.0% of our outstanding shares of Class A common stock (assuming conversion of all shares of Class B common stock beneficially owned by Mr. Horne into Class A common stock) and approximately 99.7% of our outstanding shares of Class B common stock, which represents approximately 68.4% of the total outstanding voting power. As long as Mr. Horne controls shares representing at least a majority of the total voting power of our outstanding stock, Mr. Horne will be able to unilaterally determine the outcome of most stockholder votes, and other stockholders will not be able to affect the outcome of any such votes.

Conversion and subsequent sale of a significant number of shares of our Class B common stock could adversely affect the market price of our Class A common stock.

As of December 31, 2022, there were outstanding 27,314,679 shares of our Class A common stock and 5,958,290 shares of our Class B common stock. Shares of our Class B common stock may be converted into Class A common stock at any time on a one for one basis. Under the terms of a registration rights agreement with respect to outstanding shares of our Class B common stock, the holders of our Class B common stock have rights with respect to the registration of the underlying Class A common stock. Under these registration rights, the holders of Class B common stock may require, on

up to two occasions that we register their shares for public resale. If we are eligible to use Form S-3 or a similar short-form registration statement, the holders of Class B common stock may require that we register their shares for public resale up to two times per year. If we elect to register any shares of Class A common stock for any public offering, the holders of Class B common stock are entitled to include shares of Class A common stock into which such shares of Class B common stock may be converted in such registration. However, we may reduce the number of shares proposed to be registered in view of market conditions. We will pay all expenses in connection with any registration, other than underwriting discounts and commissions. If all of the available registered shares are sold into the public market the trading price of our Class A common stock could decline.

General Risk Factors

Changes in regulations or standards could adversely affect our business.

Our products and business are subject to a wide variety of statutory, regulatory and industry standards and requirements. A significant change to regulatory requirements, whether federal, foreign, state or local, or to industry standards, could substantially increase manufacturing costs, impact the size and timing of demand for our products, or put us at a competitive disadvantage, any of which could harm our business and have a material adverse effect on our financial condition, results of operations and cash flow.

Our operating results could be negatively affected by changes in tax rates, the adoption of new tax legislation, or exposure to additional tax liabilities.

As a global company, we are subject to taxation in numerous countries, states and other jurisdictions. As a result, our effective rate is derived from a combination of applicable tax rates in the various places that we operate. Our future taxes could be affected by numerous factors, including changes in the mix of our profitability from country to country, the results of examinations and audits of our tax filings, adjustments to our uncertain tax positions, changes in accounting for income taxes and changes in tax laws.

In the ordinary course of our business, there are many transactions and calculations where the ultimate tax determination is uncertain. Significant judgment is required in determining our global provision for income taxes, deferred tax assets or liabilities, and in evaluating our tax positions. Our tax filings are regularly under audit by tax authorities and the ultimate tax outcome may differ from the amounts recorded and may materially affect our financial results in the period or periods for which such determination is made.

In October 2021, the Organization for Economic Co-operation and Development (“OECD”) issued model rules for a new global minimum tax framework. In 2022, several countries have announced the intention to bring these into effect starting from 2024. While the overarching framework has been published, we are awaiting legislation and detailed guidance to assess the full implications.

The U.S. enacted the Inflation Reduction Act of 2022 (“IRA”) in August 2022, which, among other provisions, creates a new corporate alternative minimum tax (CAMT) of at least 15% for certain large corporations that have at least an average of \$1 billion in adjusted financial statement income over a consecutive three-year period effective in tax years beginning after December 31, 2022. The IRA also includes a 1% excise tax on new corporate stock repurchases beginning in 2023. We do not expect to meet the CAMT threshold in the near term nor expect the IRA to have a material impact on our financial statements. However, it is possible that the U.S. Congress could advance other tax legislation proposals in the future that could have a material impact on our financial statements and we will continue to evaluate the impact of the IRA as additional information becomes available.

Item 1B. UNRESOLVED STAFF COMMENTS.

None.

Item 2. PROPERTIES.

We maintain 32 principal manufacturing, warehouse and distribution centers worldwide, including our corporate headquarters located in North Andover, Massachusetts. Additionally, we maintain numerous sales offices and other smaller manufacturing facilities and warehouses. The principal properties in each of our three geographic segments and their location, principal use and ownership status are set forth below:

Americas:

Location	Principal Use	Owned/Leased
North Andover, MA	Corporate Headquarters	Owned
Burlington, ON, Canada	Distribution Center	Owned
Export, PA	Manufacturing	Owned
Franklin, NH	Manufacturing/Distribution	Owned
St. Pauls, NC	Manufacturing	Owned
San Antonio, TX	Warehouse/Distribution	Owned
Spindale, NC	Distribution Center	Owned
Fort Worth, TX	Manufacturing/Distribution	Leased
Fort Myers, FL	Manufacturing/Distribution	Leased
Blauvelt, NY	Manufacturing/Distribution	Leased
Sparks, NV	Distribution Center	Leased
Vernon, BC, Canada	Manufacturing/Distribution	Leased
Woodland, CA	Manufacturing	Leased
Groveport, OH	Distribution Center	Leased

Europe:

Location	Principal Use	Owned/Leased
Biassono, Italy	Manufacturing/Distribution	Owned
Hautvillers, France	Manufacturing	Owned
Landau, Germany	Manufacturing/Distribution	Owned
Plovdiv, Bulgaria	Manufacturing	Owned
Sorgues, France	Distribution Center	Owned
Vildbjerg, Denmark	Manufacturing/Distribution	Owned
Virey-le-Grand, France	Manufacturing/Distribution	Owned
Rosières, France	Manufacturing/Distribution	Owned
Gardolo, Italy	Manufacturing	Owned
Monastir, Tunisia	Manufacturing	Leased
St. Neots, United Kingdom	Distribution	Leased

Asia-Pacific, Middle East, and Africa:

Location	Principal Use	Owned/Leased
Ningbo, Beilun, China	Manufacturing	Owned
Shanghai, China	APMEA Headquarters	Leased
Ningbo, Beilun District, China	Distribution Center	Leased
Auckland, New Zealand	Manufacturing/Distribution	Leased
Dubai, United Arab Emirates	Sales Office/Distribution	Leased
Perth, Australia	Distribution	Leased
Melbourne, Australia	Distribution	Leased

We believe that our properties, including machinery, tools and equipment, are in good condition, well maintained and adequate and suitable for their intended uses.

Item 3. LEGAL PROCEEDINGS.

We are from time to time involved in various legal and administrative proceedings. See Item 1. “Business—Product Liability, Environmental and Other Litigation Matters,” and Note 15 of the Notes to Consolidated Financial Statements, both of which are incorporated herein by reference.

Item 4. MINE SAFETY DISCLOSURES.

Not applicable.

PART II**Item 5. MARKET FOR REGISTRANT’S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES.**

Our Class A common stock is traded on the New York Stock Exchange under the trading symbol “WTS.”

There is no established public trading market for our Class B common stock, which is held by members of the Horne family. The principal holders of such stock are subject to restrictions on transfer with respect to their shares. Each share of our Class B common stock (10 votes per share) is convertible into one share of Class A common stock (1 vote per share).

The number of record holders of our Class A common stock as of January 22, 2023 was 61. The number of record holders of our Class B common stock as of January 22, 2023 was 10.

Aggregate common stock dividend payments in 2022 were \$39.5 million, which consisted of \$32.5 million and \$7.0 million for Class A shares and Class B shares, respectively. Aggregate common stock dividend payments in 2021 were \$34.3 million, which consisted of \$28.2 million and \$6.1 million for Class A shares and Class B shares, respectively. While we presently intend to continue to pay comparable cash dividends, the payment of future cash dividends depends upon the Board of Directors’ assessment of our earnings, financial condition, capital requirements and other factors.

We satisfy the minimum withholding tax obligation due upon the vesting of shares of restricted stock and the conversion of deferred stock awards and restricted stock units into shares of Class A common stock by automatically withholding from the shares being issued a number of shares with an aggregate fair market value on the date of such vesting or conversion that would satisfy the withholding amount due.

The following table includes information with respect to shares of our Class A common stock withheld to satisfy withholding tax obligations during the quarter ended December 31, 2022.

Period	Issuer Purchases of Equity Securities			
	(a) Total Number of Shares (or Units) Purchased	(b) Average Price Paid per Share (or Unit)	(c) Total Number of Shares (or Units) Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum Number (or Approximate Dollar Value) of Shares (or Units) that May Yet Be Purchased Under the Plans or Programs
September 26, 2022 – October 23, 2022	293	\$ 129.82	—	—
October 24, 2022 – November 20, 2022	200	\$ 143.37	—	—
November 21, 2022 – December 31, 2022	298	\$ 146.23	—	—
Total	791	\$ 139.43	—	—

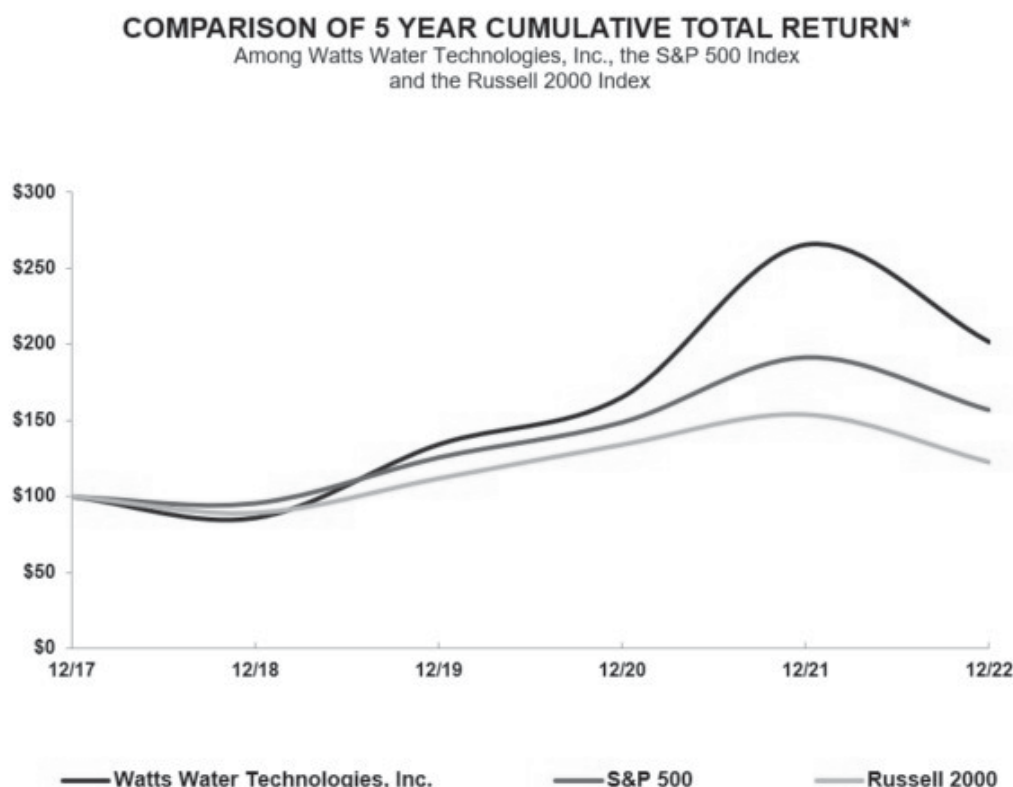
The following table includes information with respect to repurchases of our Class A common stock during the three-month period ended December 31, 2022 under our 2019 stock repurchase program.

Period	Issuer Purchases of Equity Securities (1)			
	(a) Total Number of Shares (or Units) Purchased(1)	(b) Average Price Paid per Share (or Unit)	(c) Total Number of Shares (or Units) Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum Number (or Approximate Dollar Value) of Shares (or Units) that May Yet Be Purchased Under the Plans or Programs
September 26, 2022 – October 23, 2022	10,004	\$ 127.00	10,004	\$ 31,036,028
October 24, 2022 – November 20, 2022	8,706	\$ 142.60	8,706	\$ 29,794,519
November 21, 2022 – December 31, 2022	12,067	\$ 151.37	12,067	\$ 27,967,967
Total	<u>30,777</u>	<u>\$ 140.94</u>	<u>30,777</u>	

- (1) On February 7, 2019, we announced that the Board of Directors had approved a repurchase program of up to \$150 million of our Class A common stock, to be purchased from time to time on the open market or in privately negotiated transactions. The timing and number of shares repurchased will be determined by the Company's management based on its evaluation of market conditions and other factors.

Performance Graph

Set forth below is a line graph comparing the cumulative total shareholder return on our Class A common stock for the last five years with the cumulative return of companies on the Standard & Poor's 500 Stock Index and the Russell 2000 Index. We chose the Russell 2000 Index because it represents companies with a market capitalization similar to that of Watts Water. The graph assumes that the value of the investment in our Class A common stock and each index was \$100 at December 31, 2017 and that all dividends were reinvested.



*\$100 invested on 12/31/17 in stock or index, including reinvestment of dividends.
Fiscal year ending December 31.

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Cumulative Total Return

	12/31/17	12/31/18	12/31/19	12/31/20	12/31/21	12/31/22
Watts Water Technologies, Inc.	100.00	85.88	134.14	165.20	265.38	201.49
S & P 500	100.00	95.62	125.72	148.85	191.58	156.89
Russell 2000	100.00	88.99	111.70	134.00	153.85	122.41

The above Performance Graph and related information shall not be deemed “soliciting material” or to be “filed” with the Securities and Exchange Commission, nor shall such information be incorporated by reference into any future filing under the Securities Act of 1933 or Securities Exchange Act of 1934, each as amended, except to the extent that we specifically incorporate it by reference into such filing.

Item 6. [Reserved]

Not applicable.

Item 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS.

Overview

We are a leading supplier of products and solutions that manage and conserve the flow of fluids and energy into, through and out of buildings in the commercial, industrial and residential markets in the Americas, Europe and Asia-Pacific, Middle East and Africa ("APMEA"). For nearly 150 years, we have designed and produced valve systems that safeguard and regulate water systems, energy efficient heating and hydronic systems, drainage systems and water filtration technology that helps purify and conserve water. We earn revenue and income almost exclusively from the sale of our products. Our principal product categories include:

- Residential & commercial flow control and protection products—includes products typically sold into plumbing and hot water applications such as backflow preventers, water pressure regulators, temperature and pressure relief valves, thermostatic mixing valves and leak detection and protection products. Many of our flow control and protection products are now smart and connected warning of leaks and floods with alerts to Business Management Systems (BMS) and/or personal devices giving our customers greater insight into their water management and the ability to shut off the water supply to avoid waste and mitigate damage.
- HVAC & gas products—includes commercial high-efficiency boilers, water heaters and heating solutions, hydronic and electric heating systems for under-floor radiant applications, custom heat and hot water solutions, hydronic pump groups for boiler manufacturers and alternative energy control packages, and flexible stainless steel connectors for natural and liquid propane gas in commercial food service and residential applications. Most of our HVAC products feature advanced controls enabling customers to easily connect to the Building Automation System for better monitoring, control and operation. HVAC is an acronym for heating, ventilation and air conditioning.
- Drainage & water re-use products—includes drainage products and engineered rain water harvesting solutions for commercial, industrial, marine and residential applications, including connected roof drain systems.
- Water quality products—includes point-of-use and point-of-entry water filtration, monitoring, conditioning and scale prevention systems for commercial, marine and residential applications.

Our business is reported in three geographic segments: Americas, Europe, and APMEA. We distribute our products through four primary distribution channels: wholesale, original equipment manufacturers (OEMs), specialty, and do-it-yourself (DIY).

We believe that the factors relating to our future growth include continued product innovation that meets the needs of our customers and our end markets; our ability to continue to make selective acquisitions, both in our core markets as well as in complementary markets; regulatory requirements relating to the quality and conservation of water and the safe use of water; increased demand for clean water; and continued enforcement of plumbing and building codes. We have completed 12 acquisitions since 2012. Our acquisition strategy focuses on businesses that promote our key macro themes around safety and regulation, energy efficiency and water conservation. We target businesses that will provide us with one or more of the following: an entry into new markets and/or new geographies, improved channel access, unique and/or proprietary technologies, including smart and connected technologies, advanced production capabilities or complementary solution offerings.

We believe that sustainability guides and permeates every aspect of our business, including our product development strategy and design, and how we structure our operations. Our innovation strategy is focused on differentiated products and solutions that will provide greater opportunity to distinguish ourselves in the marketplace, while at the same time creating innovative products and smart solutions to protect, control, and conserve critical resources, and help our customers with their sustainability efforts through the use of our products. We continue to migrate away from commoditized products where we cannot add value. Our goal is to be a solutions provider, not merely a components supplier. We continually look for strategic opportunities to invest in new products and markets or divest existing product lines where necessary in order to meet those objectives.

Over the past several years we have been building our smart and connected foundation by expanding our internal capabilities and making strategic acquisitions. Our strategy is to deliver superior customer value through smart and connected products and solutions. This strategy focuses on three dimensions: Connect, Control and Conserve. We are focused on introducing products that connect our customers with smart systems, control systems for optimal performance, and conserve critical resources by increasing operability, efficiency and safety.

Products representing a majority of our sales are subject to regulatory standards and code enforcement, which typically require that these products meet stringent performance criteria. We have consistently advocated for the development and enforcement of such plumbing codes. We are focused on maintaining stringent quality control and testing procedures at each of our manufacturing facilities in order to manufacture products in compliance with code requirements and take advantage of the resulting demand for compliant products. We believe that product development, product testing capability and investment in plant and equipment needed to manufacture products in compliance with code requirements, represent a competitive advantage for us.

Market activity levels have generally recovered from the COVID-19 pandemic. In 2022, we experienced some disruptions to our business in China due to government-mandated lockdowns, though these shutdowns and restrictions did not have a material adverse effect on our operations or financial results. We continue to focus on the health and safety of our employees by maintaining health authority and government recommended safety protocols, enabling remote work and hybrid work schedules where feasible, providing personal protective equipment and providing COVID-19 information, which includes the latest CDC and other government protocols and our safety requirements.

The global supply chain disruptions have shown signs of easing; however, some logistics issues and electronic component shortages remain. We are experiencing inflation across our cost of materials, labor, transportation, and energy. Labor shortages and workforce disruptions have affected our manufacturing and distribution processes, as well as those of our suppliers. The ongoing war in Ukraine has added strain to the European markets and the global economy, as well as exacerbated inflation, particularly energy inflation. While we believe we were able to effectively manage these disruptions during 2022 by various measures, including raising prices to address cost inflation and taking certain cost reduction actions, we cannot predict how ongoing inflation, risk of recession, the war in Ukraine, supply chain disruptions and related costs may impact our ability to service our customers or the potential impact on our profit margins going forward.

We expect that economic conditions in 2023 will be challenging. Higher interest rates and inflation have significantly slowed new residential construction and global GDP is declining, which could impact repair and replacement activity and may reduce the demand for our products. Non-residential new construction may be more resilient, at least through the first half of 2023. Starting in the third quarter of 2022 and continuing into the fourth quarter of 2022 we experienced some channel destocking in Europe. We also saw some destocking in North America in the fourth quarter of 2022 by customers in the residential OEM channel. Our expectation is that it may continue in the first quarter of 2023 and we will monitor this as the year progresses. Despite these anticipated challenges, we continue to invest in our business, including new products, our smart and connected solutions and our growth and productivity initiatives. We remain focused on our customers' needs and executing on our long-term strategy.

Due to the above circumstances and as described generally in this Form 10-K, our results of operations for the year ended December 31, 2022 are not necessarily indicative of future results. Management cannot predict the full impact of the uncertainties discussed above. For further information regarding the impact on the Company, see Item 1A, "Risk Factors."

Financial Overview

We delivered record results for 2022 while facing unprecedented inflationary pressures and supply chain disruptions. Net sales for 2022 increased 9.4%, or \$170.3 million, on a reported basis and 13.0%, or \$235.6 million, on an organic basis, compared to 2021, primarily driven by incremental price across all of our operating segments. The reported sales increase included the unfavorable impact of foreign exchange of 3.9%, or \$71.5 million, primarily driven by the appreciation of the U.S. dollar against the euro and Chinese yuan, and acquired sales of \$6.1 million. Organic sales is a non-GAAP financial measure that excludes the impacts of acquisitions, divestitures and foreign exchange from year-over-year comparisons. Management believes reporting organic sales growth provides useful information to investors, potential investors and others, because it allows for additional insight into underlying sales trends by providing sales growth on a consistent basis. We reconcile the change in organic sales to our reported sales for each region within our results below. Operating income of \$315.0 million increased by \$75.4 million, or 31.5%, in 2022 compared to 2021.

This increase was primarily driven by incremental price, savings from productivity and restructuring actions, partially offset by inflation and incremental investments.

Management's discussion and analysis of our financial condition, results of operations and cash flows as of and for the year ended December 31, 2020 can be found in Item 7 of Part II, "Management's Discussion and Analysis of Financial Condition and Results of Operations," in our Annual Report on Form 10-K for the year ended December 31, 2021.

Recent Developments

On February 6, 2023, we declared a quarterly dividend of thirty cents (\$0.30) per share on each outstanding share of Class A common stock and Class B common stock payable on March 15, 2023 to stockholders of record on March 1, 2023.

Results of Operations

Year Ended December 31, 2022 Compared to Year Ended December 31, 2021

Net Sales. Our business is reported in three geographic segments: Americas, Europe and APMEA. Our net sales in each of these segments for the years ended December 31, 2022 and December 31, 2021 were as follows:

	Year Ended December 31, 2022		Year Ended December 31, 2021		Change	% Change to Consolidated Net Sales
	Net Sales	% Sales	Net Sales	% Sales		
	(dollars in millions)					
Americas	\$ 1,390.0	70.2 %	\$ 1,207.2	66.7 %	\$ 182.8	10.1 %
Europe	499.1	25.2	517.4	28.6	(18.3)	(1.0)
APMEA	90.4	4.6	84.6	4.7	5.8	0.3
Total	<u>\$ 1,979.5</u>	<u>100.0 %</u>	<u>\$ 1,809.2</u>	<u>100.0 %</u>	<u>\$ 170.3</u>	<u>9.4 %</u>

The change in net sales was attributable to the following:

	Americas	Europe	APMEA	Total	Change As a % of Consolidated Net Sales				Change As a % of Segment Net Sales		
					Americas	Europe	APMEA	Total	Americas	Europe	APMEA
					(dollars in millions)						
Organic	\$ 180.1	\$ 44.1	\$ 11.4	\$ 235.6	10.0 %	2.4 %	0.6 %	13.0 %	14.9 %	8.5 %	13.5 %
Foreign exchange	(3.4)	(62.4)	(5.7)	(71.5)	(0.2)	(3.4)	(0.3)	(3.9)	(0.3)	(12.0)	(6.6)
Acquired	6.1	—	—	6.1	0.3	—	—	0.3	0.5	—	—
Total	<u>\$ 182.8</u>	<u>\$ (18.3)</u>	<u>\$ 5.7</u>	<u>\$ 170.2</u>	<u>10.1 %</u>	<u>(1.0)%</u>	<u>0.3 %</u>	<u>9.4 %</u>	<u>15.1 %</u>	<u>(3.5)%</u>	<u>6.9 %</u>

Our products are sold to wholesalers, OEMs, DIY chains, and through various specialty channels. The change in organic net sales by channel was attributable to the following:

	Wholesale	OEMs	DIY	Specialty	Total	Change As a % of Prior Year Sales			
						Wholesale	OEMs	DIY	Specialty
	(dollars in millions)								
Americas	\$ 99.2	\$ 7.8	\$ 5.6	\$ 67.5	\$ 180.1	14.3 %	8.1 %	7.1 %	20.0 %
Europe	21.0	23.2	(0.1)	—	44.1	6.3	12.8	(3.3)	—
APMEA	8.7	2.9	—	(0.2)	11.4	11.0	52.7	—	(66.7)
Total	<u>\$ 128.9</u>	<u>\$ 33.9</u>	<u>\$ 5.5</u>	<u>\$ 67.3</u>	<u>\$ 235.6</u>				

Organic net sales in the Americas increased primarily due to incremental price across all of our channels, as well as higher volume within our heating and hot water solution products. The increase was partially muted due to 2021 being positively impacted from the severe freezing weather in the South-Central United States, which drove an estimated 2% of incremental sales in our wholesale and DIY channels.

Organic net sales in Europe increased due to incremental price, with growth in all platforms as well as all major regions. A significant portion of this growth related to HVAC products within the OEM markets in Italy and Germany driven by government energy incentives. Sales growth was negatively impacted by approximately \$9 million due to our decision to exit all direct sales into Russia as a result of the war in Ukraine effective April 1, 2022.

Organic net sales in APMEA increased primarily due to higher volumes and price, with sales growth in China, Australia, New Zealand and the Middle East. China's sales growth was primarily driven by higher demand for commercial valves within data centers.

The net decrease in sales due to foreign exchange was mostly due to the appreciation of the U.S. dollar against the euro and Chinese yuan in 2022. We cannot predict whether foreign currencies will appreciate or depreciate against the U.S. dollar in future periods or whether future foreign exchange rate fluctuations will have a positive or negative impact on our net sales.

The change in net sales due to acquisitions relates to an immaterial acquisition in the Americas segment in the fourth quarter of 2021.

Gross Profit. Gross profit and gross profit as a percent of net sales (gross margin) for 2022 and 2021 were as follows:

	Year Ended	
	December 31, 2022	December 31, 2021
	(dollars in millions)	
Gross profit	\$ 874.3	\$ 767.1
Gross margin	44.2 %	42.4 %

Gross profit and gross margin increased primarily from incremental price, productivity and restructuring savings, partially offset by inflation related to material and labor costs and higher logistic and energy costs.

Selling, General and Administrative Expenses. Selling, general and administrative, or SG&A, expenses increased \$42.3 million, or 8.3%, in 2022 compared to 2021. The increase in SG&A expenses was attributable to the following:

	(in millions)	% Change
Organic	\$ 54.2	10.6 %
Foreign exchange	(15.4)	(3.0)
Acquired	3.5	0.7
Total	\$ 42.3	8.3 %

The organic increase was primarily due to an increase in investments of \$23.0 million, including in our smart and connected and commercial excellence initiatives, general inflation of \$15.7 million, increased variable costs due to the higher sales of \$14.4 million and an increase in marketing, travel and other normalized spending of \$11.2 million compared to 2021. These increases were partially offset by \$11.5 million due to productivity initiatives and a decrease in short-term and long-term compensation expense of \$6.9 million. The decrease in foreign exchange was mainly due to the appreciation of the U.S. dollar against the euro. The acquired SG&A costs related to an immaterial acquisition in the Americas segment in the fourth quarter of 2021. Total SG&A expenses, as a percentage of sales, were 27.8% in 2022 compared to 28.1% in 2021.

Restructuring. In 2022, we recorded a net restructuring charge of \$10.6 million, which related to a 2021 French restructuring program as well as other actions related to the decommissioning of machinery at one of our facilities in the Americas and cost reduction actions in Europe and the Americas. In 2021, we recorded a net restructuring charge of \$19.3 million, primarily for costs related to the 2021 French restructuring program that was approved in the second quarter of 2021. For a more detailed description of our current restructuring plans, see Note 3 of Notes to Consolidated Financial Statements in this Annual Report Form 10-K.

Operating Income (Loss). Operating income (loss) by geographic segment for 2022 and 2021 was as follows:

	Year Ended		Change	% Change to Consolidated Operating Income
	December 31, 2022	December 31, 2021		
	(dollars in millions)			
Americas	\$ 283.9	\$ 211.0	\$ 72.9	30.4 %
Europe	66.7	63.6	3.1	1.3
APMEA	14.0	14.4	(0.4)	(0.1)
Corporate	(49.6)	(49.4)	(0.2)	(0.1)
Total	\$ 315.0	\$ 239.6	\$ 75.4	31.5 %

The increase (decrease) in operating income (loss) is attributable to the following:

	Change As a % of Consolidated Operating Income					Change As a % of Segment Operating Income				
	Americas	Europe	APMEA	Corporate	Total	Americas	Europe	APMEA	Corporate	Total
	(dollars in millions)									
Organic	\$ 75.2	\$ 1.0	\$ 1.1	\$ (0.2)	\$ 77.1	31.4 %	0.4 %	0.5 %	(0.1)%	32.2 %
Foreign exchange	(0.5)	(8.8)	(1.8)	—	(11.1)	(0.3)	(3.6)	(0.7)	—	(4.6)
Acquired	0.7	—	—	—	0.7	0.3	—	—	—	0.3
Restructuring, impairment charges	(2.5)	10.9	0.3	—	8.7	(1.0)	4.5	0.1	—	3.6
Total	\$ 72.9	\$ 3.1	\$ (0.4)	\$ (0.2)	\$ 75.4	30.4 %	1.3 %	(0.1)%	(0.1)%	31.5 %

The increase in organic operating income was primarily due to incremental price and savings from productivity and restructuring actions. These increases were partially offset by inflation related to material and labor costs, higher logistic and energy costs, incremental investments and the return of expenses related to business normalization.

Interest Expense. Interest expense increased \$0.7 million, or 11.1%, in 2022 as compared to 2021 primarily due to an increase in interest rates, partially offset by a lower principal balance of debt outstanding. Refer to Note 11 of Notes to Consolidated Financial Statements in this Annual Report on Form10-K for further details.

Other expense (income), net. Other expense (income) increased \$1.8 million to an expense balance of \$1.0 million compared to 2021. The increase was primarily due to \$1.0 million of additional expense related to the reduction in deferred compensation plan assets. Refer to Note 16 Financial Instruments of Notes to Consolidated Financial Statements in this Annual Report on Form10-K for further details.

Income Taxes. Our effective income tax rate decreased to 18.2% in 2022, from 29.2% in 2021. The decrease is primarily due to a \$16.1 million tax benefit related to the modification of the structure of our Mexican supply chain operations in 2022, while the initial restructuring of our Mexican supply chain operations in 2021 resulted in a net \$7.2 million tax charge. In 2022, we also benefited from the release of tax reserves of \$2.5 million due to statute of limitation expirations.

Net Income. Net income for 2022 was \$251.5 million, or \$7.48 per common share on a diluted basis, compared to \$165.7 million, or \$4.88 per common share on a diluted basis, for 2021. Results for 2022 include an after-tax benefit of \$18.2 million, or \$0.54 per common share, primarily for an income tax benefit related to the modification of the structure of our Mexican supply chain operations and \$1.4 million, or \$0.04 per common share, for an after-tax gain on sale of asset; partially offset by an after-tax charge of \$7.9 million, or \$0.23 per common share, for restructuring.

Results for 2021 include an after-tax charge of \$14.1 million, or \$0.42 per common share, for restructuring and \$7.2 million, or \$0.22 per common share, for an income tax adjustment related to the restructuring of our Mexican manufacturing supply chain operations.

Liquidity and Capital Resources

2022 and 2021 Cash Flows

We generated \$224.0 million of net cash from operating activities in 2022 as compared to \$180.8 million in 2021. The increase in cash generated was primarily due to higher net income and lower investment in inventory, partially offset by lower accounts payable balances associated with the reduction in inventory purchases and increased payments related to income taxes, restructuring and employee and customer incentives.

We used \$22.9 million of net cash for investing activities in 2022 compared to \$30.7 million used in 2021. We spent \$1.3 million more on net capital expenditures and \$9.1 million less for acquisitions in 2022 compared to 2021.

We used \$121.7 million of net cash from financing activities in 2022 primarily due to long-term debt repayments of \$80.0 million, dividend payments of \$39.5 million, tax withholding payments on vested stock awards of \$13.3 million and payments of \$69.4 million to repurchase 493,733 shares of Class A common stock. These payments were partially offset by proceeds from drawdowns on our line of credit totaling \$85.0 million. In 2021, we used \$118.6 million of net cash from financing activities primarily due to long-term debt repayments of \$95.0 million, dividend payments of \$34.3 million, tax withholding payments on vested stock awards of \$9.6 million and payments of \$16.0 million to repurchase approximately 110,000 shares of Class A common stock. These payments were partially offset by proceeds from drawdowns on our line of credit totaling \$40.0 million.

On March 30, 2021, we and certain of our subsidiaries entered into the Second Amended and Restated Credit Agreement with JPMorgan Chase Bank, N.A., as administrative agent (the "Credit Agreement"). The Credit Agreement amended the Company's borrowings under the Amended and Restated Credit Agreement entered into on April 24, 2020 (the "Prior Credit Agreement"), to extend the maturity date of the \$800 million senior unsecured revolving credit facility from February 12, 2022 to March 30, 2026 (the "Revolving Credit Facility"). Among other changes from the Prior Credit Agreement, the Credit Agreement increased our maximum consolidated leverage ratio (including both the base ratio and the ratio permitted during temporary step-ups following certain acquisitions), adjusted certain fees to reflect market conditions and reduced the 1.00% floor on the adjusted London interbank offered rate (LIBOR) to 0.00%. On August 2, 2022, we and certain of our subsidiaries entered into Amendment No. 1 to the Credit Agreement (as so amended, the "Amended Credit Agreement") to replace LIBOR as a reference rate for borrowings with the term secured overnight financing rate ("Term SOFR"), and to provide for a fixed adjustment of 10 basis points added to Term SOFR ("Term Benchmark") for all Term SOFR borrowings, subject to a 0.00% floor. The Company elected the optional expedient under Accounting Standards Update ("ASC") No. 2020-04, *Reference Rate Reform* (Topic 848), in connection with amending its credit agreement to replace the reference rate from LIBOR to Term Benchmark to consider the amendment as a continuation of the existing contract without having to perform an assessment that would otherwise be required under U.S. GAAP.

The Revolving Credit Facility also includes sub-limits of \$100 million for letters of credit and \$15 million for swing line loans. As of December 31, 2022, we had drawn down \$150.0 million on this line of credit and had \$12.1 million in letters of credit outstanding, which resulted in \$637.9 million of unused and available credit under the Revolving Credit Facility. Borrowings outstanding under the Revolving Credit Facility bear interest at a fluctuating rate per annum equal to an applicable percentage defined as (i) in the case of Term Benchmark loans, the Term Benchmark rate plus an applicable percentage, ranging from 1.075% to 1.325%, determined by reference to our consolidated leverage ratio, or (ii) in the case of alternate base rate loans and swing line loans, interest (which at all times will not be less than 1.00%) at the greatest of (a) the Prime Rate in effect on such day, (b) the FRBNY Rate in effect on such day plus 0.50% and (c) the Term Benchmark rate plus 1.00% for a one month interest period. The weighted average interest rate on debt outstanding under the Revolving Credit Facility as of December 31, 2022 was 5.35%. The weighted average interest rate on debt outstanding inclusive of the interest rate swap discussed in Note 11 of the Notes to Consolidated Financial Statements and interest rates under the Revolving Credit Facility as of December 31, 2022 was 3.23%. In addition to paying interest under the Amended Credit Agreement, we are also required to pay certain fees in connection with the Revolving Credit Facility, including, but not limited to, an unused facility fee and letter of credit fees. The Amended Credit Agreement matures on March 30, 2026, subject to extension under certain circumstances and subject to the terms of the Amended Credit Agreement. We may repay loans outstanding under the Amended Credit Agreement from time to time without premium or penalty, other than customary breakage costs, if any, and subject to the terms of the Amended Credit Agreement. As of December 31, 2022, we were in compliance with all covenants related to the Amended Credit Agreement.

As of December 31, 2022, we held \$310.8 million in cash and cash equivalents. Of this amount, \$221.2 million was held by foreign subsidiaries. Our U.S. operations typically generate sufficient cash flows to meet our domestic obligations. However, if we did have to borrow to fund some or all of our expected cash outlays, we can do so at reasonable interest rates by utilizing the undrawn borrowings under our Revolving Credit Facility. Subsequent to recording the Toll Tax as part of the Tax Cuts and Jobs Act of 2017, our intent is to permanently reinvest undistributed earnings of foreign subsidiaries, and we do not have any current plans to repatriate post-Toll Tax foreign earnings to fund operations in the United States. However, if amounts held by foreign subsidiaries were needed to fund operations in the United States, we could be required to accrue and pay taxes to repatriate these funds. Such charges may include potential state income taxes and other tax charges.

Covenant Compliance

Under the Amended Credit Agreement, we are required to satisfy and maintain specified financial ratios and other financial condition tests as of December 31, 2022. The financial ratios include a consolidated interest coverage ratio based on consolidated earnings before income taxes, interest expense, depreciation, and amortization (Consolidated EBITDA) to consolidated interest expense, as defined in the Amended Credit Agreement. The Amended Credit Agreement defines Consolidated EBITDA to exclude unusual or non-recurring charges and gains. We are also required to maintain a consolidated leverage ratio of consolidated funded debt to Consolidated EBITDA. Consolidated funded debt, as defined in the Amended Credit Agreement, includes all long and short-term debt, finance lease obligations and any trade letters of credit that are outstanding, less cash and cash equivalents on the balance sheet.

As of December 31, 2022, our actual financial ratios calculated in accordance with the Amended Credit Agreement compared to the required levels under the Amended Credit Agreement were as follows:

	<u>Actual Ratio</u>	<u>Required Level</u>
		<u>Minimum level</u>
Interest Charge Coverage Ratio	54.1 to 1.00	3.50 to 1.00
		<u>Maximum level</u>
Leverage Ratio	0.00 to 1.00	3.50 to 1.00

As of December 31, 2022, we were in compliance with all covenants related to the Amended Credit Agreement.

In addition to financial ratios, the Amended Credit Agreement contains affirmative and negative covenants that include limitations on disposition or sale of assets, prohibitions on assuming or incurring any liens on assets with limited exceptions and limitations on making investments other than those permitted by the agreement.

Working capital (defined as current assets less current liabilities) as of December 31, 2022 was \$571.9 million compared to \$453.0 million as of December 31, 2021. The ratio of current assets to current liabilities was 2.5 to 1 as of December 31, 2022 compared to 2.1 to 1 as of December 31, 2021. The increase in working capital is primarily related to the increase in cash and cash equivalents as a result of increased cash from operating activities.

Material Cash Requirements

We expect existing cash and cash equivalents and cash flows from operations and financing activities to be sufficient to meet our cash needs during 2023 and thereafter for the foreseeable future.

We anticipate investing between \$40 million to \$45 million in capital expenditures during 2023 to improve our manufacturing capabilities and invest in technology and other commercial and operational excellence initiatives.

We anticipate spending approximately \$6.0 million during 2023 related to various restructuring programs. For a more detailed description of our current restructuring plans, see Note 3 of Notes to Consolidated Financial Statements in this Annual Report Form 10-K.

We intend to continue to repurchase shares of Class A common stock consistent with prior years. The repurchases are executed from time to time on the open market or in privately negotiated transactions. The timing and number of shares repurchased will be determined based on our evaluation of market conditions and other factors, see Note 12 of Notes to Consolidated Financial Statements in this Annual Report Form 10-K.

While we presently intend to continue to pay comparable quarterly cash dividends on both Class A and B common stock, the payment of future cash dividends depends upon the Board of Directors' assessment of our earnings, financial condition, capital requirements and other factors.

We maintain letters of credit that guarantee our performance or payment to third parties in accordance with specified terms and conditions. Amounts outstanding were approximately \$12.1 million as of December 31, 2022 and \$14.0 million as of December 31, 2021. Our letters of credit are primarily associated with insurance coverage and, to a lesser extent, foreign purchases and generally expire within one year of issuance. These instruments may exist or expire without being drawn down; therefore, they do not necessarily represent future cash flow obligations.

Our contractual obligations as of December 31, 2022 are presented in the following table:

Contractual Obligations	Total	Next	Beyond
		12 Months	12 Months
		(in millions)	
Long-term debt obligations, including current maturities(a)	\$ 150.0	\$ —	\$ 150.0
Operating lease obligations(b)	54.8	10.4	44.4
Finance lease obligations(c)	4.7	3.0	1.7
Pension contributions(d)	9.2	0.5	8.7
Interest(e)	13.2	5.2	8.0
2017 Tax Act Toll Tax payable(f)	18.7	3.4	15.3
Capital expenditures(g)	6.3	6.3	—
Other(h)	54.6	54.1	0.5
Total	<u>\$ 311.5</u>	<u>\$ 82.9</u>	<u>\$ 228.6</u>

- (a) Relates to the drawdown on the line of credit under the Amended Credit Agreement as recognized in the consolidated balance sheet. See Note 11 of Notes to the Consolidated Financial Statements in this Annual Report for further disclosures.
- (b) Relates to the lease liabilities recognized for right-of-use assets of operating leases with a lease term longer than twelve months. See Note 5 of Notes to the Consolidated Financial Statements in this Annual Report for further disclosures.
- (c) Relates to the lease liabilities recognized for right-of-use assets of financing leases with a lease term longer than twelve months. See Note 5 of Notes to the Consolidated Financial Statements in this Annual Report for further disclosures.
- (d) Relates to estimated future obligations for the Europe pension plans. See Note 14 of Notes to the Consolidated Financial Statements in this Annual Report for further disclosures.
- (e) Represents the current estimate of future interest payments due on the current drawdown on the line of credit under the Amended Credit Agreement referenced above at (a).
- (f) Relates to the 2017 Tax Act one time transition tax on accumulated foreign subsidiary earnings not previously subject to U.S. income tax which was payable over a number of years.
- (g) Relates to capital expenditure obligations included in investment totals of \$40 million to \$45 million discussed above.
- (h) The majority relates to commodity commitments, as well as the contingent consideration related to an immaterial acquisition.

We have no off-balance sheet arrangements that have or are reasonably likely to have a current or future effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

Non-GAAP Financial Measures

In accordance with the SEC's Regulation G and Item 10(e) of Regulation S-K, the following provides definitions of the non-GAAP measures used by management. We believe that these measures enhance the overall understanding of underlying business results and trends. These non-GAAP measures are not intended to be considered by the user in place of the related GAAP measure, but rather as supplemental information to more fully understand our business results. These non-GAAP measures may not be the same as similar measures used by other companies due to possible differences in method and in the items or events being adjusted.

Organic net sales growth is a non-GAAP measure of net sales growth that excludes the impacts of acquisitions, divestitures and foreign exchange from period-over-period comparisons. A reconciliation to the most closely related U.S. GAAP measure, net sales, has been included in our discussion within "Results of Operations" above. Organic net sales should be considered in addition to, and not as a replacement for or as a superior measure to net sales. Management believes reporting organic sales growth provides useful information to investors, potential investors and others, by facilitating easier comparisons of our revenue performance with prior and future periods.

Adjusted operating income, adjusted operating margins, adjusted net income, and adjusted earnings per share are non-GAAP measures that exclude certain expenses incurred and benefits recognized in the periods presented that relate primarily to our global restructuring programs, gain on sale of asset, and the related income tax impacts on these items and other tax adjustments. Management believes reporting these financial measures provides useful information to investors, potential investors and others, by facilitating easier comparisons of our performance with prior and future periods.

A reconciliation of U.S. GAAP results to these adjusted non-GAAP measures is provided below (dollars in millions, except per share amounts):

	Year Ended	
	December 31, 2022	December 31, 2021
Net sales	\$ 1,979.5	\$ 1,809.2
Operating income - as reported	315.0	239.6
<i>Operating margin %</i>	<i>15.9%</i>	<i>13.2%</i>
Adjustments for special items:		
Restructuring	10.6	19.3
Gain on sale of asset	(1.8)	—
Total adjustments for special items	\$ 8.8	\$ 19.3
Operating income - as adjusted	\$ 323.8	\$ 258.9
<i>Adjusted operating margin %</i>	<i>16.4%</i>	<i>14.3%</i>
Net income - as reported	\$ 251.5	\$ 165.7
Adjustments for special items - tax effected:		
Restructuring	7.9	14.1
Tax adjustments	(18.2)	7.2
Gain on sale of asset	(1.4)	—
Total adjustments for special items - tax effected:	\$ (11.7)	\$ 21.3
Net income as adjusted	\$ 239.8	\$ 187.0
Diluted earnings per share - as reported	\$ 7.48	\$ 4.88
Adjustments for special items	(0.35)	0.64
Diluted earnings per share - as adjusted	\$ 7.13	\$ 5.52

Free cash flow is a non-GAAP measure that does not represent cash generated from operating activities in accordance with U.S. GAAP. Therefore, it should not be considered an alternative to net cash provided by operating activities as an indication of our performance. The cash conversion rate of free cash flow to net income is also a measure of our performance in cash flow generation. We believe free cash flow to be an appropriate supplemental measure of our operating performance because it provides investors with a measure of our ability to generate cash, repay debt, pay dividends, repurchase stock and fund acquisitions.

A reconciliation of net cash provided by operating activities to free cash flow and calculation of our cash conversion rate is provided below:

	Year Ended	
	December 31, 2022	December 31, 2021
	(in millions)	
Net cash provided by operating activities	\$ 224.0	\$ 180.8
Less: additions to property, plant, and equipment	(28.1)	(26.7)
Plus: proceeds from the sale of property, plant, and equipment	5.2	5.1
Free cash flow	\$ 201.1	\$ 159.2
Net income —as reported	\$ 251.5	\$ 165.7
Cash conversion rate of free cash flow to net income	80.0 %	96.1 %

Our free cash flow increased in 2022 when compared to 2021 primarily driven by higher net income and lower investment in inventory, partially offset by lower accounts payable balances associated with the reduction in inventory purchases and increased payments related to income taxes, restructuring and employee and customer incentives.

Our net debt to capitalization ratio, a non-GAAP financial measure used by management, at December 31, 2022 was (14.3)% for 2022 compared to (9.3)% in 2021. The change was driven by an increase in net cash of \$68.8 million, partially offset by an increase in debt outstanding of \$5.7 million at December 31, 2022 compared to December 31, 2021. Management believes the net debt to capitalization ratio is an appropriate supplemental measure because it helps investors understand our ability to meet our financing needs and serves as a basis to evaluate our financial structure. Our computation may not be comparable to other companies that may define their net debt to capitalization ratios differently.

A reconciliation of long-term debt (including current portion) to net debt and our net debt to capitalization ratio is provided below:

	December 31, 2022	December 31, 2021
	(in millions)	
Current portion of long-term debt	\$ —	\$ —
Plus: long-term debt, net of current portion	147.6	141.9
Less: cash and cash equivalents	(310.8)	(242.0)
Net debt	<u>\$ (163.2)</u>	<u>\$ (100.1)</u>

A reconciliation of capitalization is provided below:

	December 31, 2022	December 31, 2021
	(in millions)	
Net debt	\$ (163.2)	\$ (100.1)
Total stockholders' equity	1,300.6	1,173.2
Capitalization	<u>\$ 1,137.4</u>	<u>\$ 1,073.1</u>
Net debt to capitalization ratio	<u>(14.3)%</u>	<u>(9.3)%</u>

Application of Critical Accounting Policies and Key Estimates

The preparation of our consolidated financial statements in accordance with U.S. GAAP requires management to make judgments, assumptions and estimates that affect the amounts reported. A critical accounting estimate is an assumption about highly uncertain matters and could have a material effect on the consolidated financial statements if another, also reasonable, amount were used, or, a change in the estimate is reasonably likely from period to period. We base our assumptions on historical experience and on other estimates that we believe are reasonable under the circumstances. Actual results could differ significantly from these estimates. There were no significant changes in our accounting policies or significant changes in our accounting estimates during 2022.

We periodically discuss the development, selection and disclosure of the estimates with our Audit Committee. Management believes the following critical accounting policies reflect our more significant estimates and assumptions.

Revenue recognition

We recognize revenue under the core principle to depict the transfer of control to our customers in an amount reflecting the consideration to which we expect to be entitled. In order to achieve that core principle, we apply the following five-step approach: (1) identify the contract with a customer, (2) identify the performance obligations in the contract, (3) determine the transaction price, (4) allocate the transaction price to the performance obligations in the contract, and (5) recognize revenue when a performance obligation is satisfied. When determining the transaction price of each contract, we consider contractual consideration payable by the customer and assess variable consideration that may affect the total transaction price. Variable consideration, consisting of early payment discounts, rebates and other sources of price variability, are included in the estimated transaction price based on both customer-specific information as well as historical experience. We regularly review our estimates of variable consideration on the transaction price and recognize changes in

estimates on a cumulative catch-up basis as if the most current estimate of the transaction price adjusted for variable consideration had been known as of the inception of the contract.

Our revenue for product sales is recognized on a point in time model, at the point control transfers to the customer, which is generally when products are shipped from the Company's manufacturing or distribution facilities or when delivered to the customer's named location. Sales tax, value-added tax, or other taxes collected concurrent with revenue producing activities are excluded from revenue. Freight costs billed to customers for shipping and handling activities are included in revenue with the related cost included in selling, general and administrative expenses. See Note 4 of Notes to Consolidated Financial Statements in this Annual Report on Form 10-K for further disclosures and detail regarding revenue recognition.

Inventory valuation

Inventories are stated at the lower of cost or net realizable value with costs determined primarily on a first-in first-out basis. We evaluate the need to record adjustments for excess or obsolete inventory at least quarterly. We utilize both specific product identification and historical product demand as the basis for estimating our excess or obsolete inventory reserve. We identify all inventories that exceed a range of one to three years in sales to calculate inventory on hand that exceeds estimated demand. This is determined by comparing the current inventory balance against unit sales for the trailing twelve months. New products added to inventory within the past twelve months are excluded from this analysis. A portion of our products contain recoverable materials, therefore the excess and obsolete reserve is established net of any estimated recoverable amounts based on historical experience. Changes in market conditions, lower-than-expected customer demand or changes in technology or features could result in additional excess or obsolete inventory that is not saleable and could require additional inventory reserve provisions.

In certain countries, additional inventory reserves are maintained for potential shrinkage experienced in the manufacturing process. The reserve is established based on the prior year's inventory losses adjusted for any change in the gross inventory balance.

Goodwill and other intangibles

We have made numerous acquisitions over the years and have recognized a significant amount of goodwill. Goodwill is tested for impairment annually or more frequently if an event or circumstance indicates that an impairment loss may have been incurred. Application of the goodwill impairment test requires judgment, including the identification of reporting units, assignment of assets and liabilities to reporting units, and determination of the fair value of each reporting unit when a quantitative analysis is performed. We estimate the fair value of our reporting units using an income approach based on the present value of estimated future cash flows, and when appropriate, guideline public company and guideline transaction market approaches.

Accounting guidance allows us to assess goodwill for impairment utilizing either qualitative or quantitative analyses. We have the option to first assess qualitative factors to determine whether the existence of events or circumstances leads to a determination that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. If, after assessing the totality of events and circumstances, we determine it is more likely than not that the fair value of a reporting unit is greater than its carrying amount, then performing the quantitative impairment test is unnecessary.

We first identify those reporting units that we believe could pass a qualitative assessment to determine whether further impairment testing is necessary. For each reporting unit identified, our qualitative analysis includes:

- 1) A review of the most recent fair value calculation to identify the extent of the cushion between fair value and carrying amount, to determine if a substantial cushion existed.
- 2) A review of events and circumstances that have occurred since the most recent fair value calculation to determine if those events or circumstances would have affected our previous fair value assessment. Items identified and reviewed include macroeconomic conditions, industry and market changes, cost factor changes, events that affect the reporting unit, and financial performance against expectations.

We then compile this information and make our assessment of whether it is more likely than not that the fair value of the reporting unit is less than its carrying amount. If we determine it is not more likely than not, then no further quantitative analysis is required.

In 2022, we had seven reporting units. One of these reporting units, Water Quality, had no goodwill. We performed a qualitative analysis for each of the six remaining reporting units, which include Blücher, US Drains, Fluid Solutions-Europe, Fluid Solutions-Americas, Heating and Hot Water Solutions (“HHWS”) and APMEA.

As of our October 23, 2022 testing date, we had \$581.2 million of goodwill on our balance sheet. As a result of our qualitative analyses, we determined that the fair values of the six reporting units noted above were more likely than not greater than the carrying amounts. In 2022, we did not need to proceed beyond the qualitative analysis, and no goodwill impairments were recorded. Changes in macroeconomic, industry or market conditions, or our inability to achieve projected results that were used to complete the qualitative analyses could result in the reporting unit fair value not exceeding the carrying amounts and could lead to impairment.

Intangible assets such as trademarks and trade names are generally recorded in connection with a business acquisition and we have recorded certain trademarks and trade names as indefinite-lived intangible assets. Values assigned to intangible assets are typically determined by an independent valuation firm based on our estimates and judgments regarding expectations of the success and life cycle of products and technology acquired. Accounting guidance allows us to perform a qualitative impairment assessment of indefinite-lived intangible assets consistent with the goodwill guidance noted previously. For our 2022 impairment assessment, which occurred as of October 23, 2022, we performed a qualitative assessment for all trademarks and tradenames as each intangible asset’s fair value significantly exceeded the carrying value in the previous quantitative assessment performed and each had sales growth in 2022, and no other indicators of impairment were present. The majority of the trademarks and tradenames are expected to have sales growth in 2023, with a few expected to potentially have minimal sales decline in 2023 but sales growth in 2024. As a result of our qualitative analyses, we determined that the fair values of the indefinite-lived intangibles assets were more likely than not greater than the carrying amounts. If we were to perform a quantitative assessment, the methodology we employ is the relief from royalty method, a subset of the income approach. During 2022, 2021, and 2020, no impairment was recognized on our indefinite-lived intangible assets. Changes in macroeconomic, industry or market conditions, or our inability to achieve projected results that were used to complete the qualitative analyses could result in the trademark’s or trade name’s fair value not exceeding its carrying amount and could lead to impairment.

Product liability

Because of retention requirements associated with our insurance policies, we are generally self-insured for potential product liability claims. We are subject to a variety of potential liabilities in connection with product liability cases, and for our most significant volume of liability matters, we maintain a high self-insured retention limit within our product liability and general liability coverage, which we believe to be generally in accordance with industry practices. We maintain excess liability insurance to minimize our risks related to claims in excess of our primary insurance policies. The product liability accrual is established after considering any applicable insurance coverage.

For our product liability cases in the U.S., we establish a product liability accrual, which includes estimated legal costs associated with accrued claims. For our most significant volume of liability matters, we utilize third-party actuarial valuations which incorporate historical trend factors including, but not limited to, claim frequency and loss severity, and our specific claims experience derived from loss reports provided by third-party claims administrators to establish our product liability accrual. The product liability accrual represents the estimated ultimate losses for all reported and incurred but not reported claims. For the remainder of our product liability accrual, where we do not utilize third-party actuarial valuations, we maintain insurance and calculate potential product liability accruals which includes legal costs associated with the accrued claims on a case by case basis. Changes in the nature and volume of product liability claims, legal costs, or the actual settlement amounts could affect the adequacy of the estimates and require changes to the accrual. Because the liability is an estimate, the ultimate liability may be more or less than reported. Any material change in the aforementioned factors could have an adverse impact on our operating results for any particular period depending, in part, upon the operating results for such period.

Legal contingencies

We are a defendant in numerous legal matters including those involving environmental issues and product liability as discussed in more detail in Part I, Item 1. “Business—Product Liability, Environmental and Other Litigation Matters” and Note 15 of Notes to Consolidated Financial Statements in this Annual Report on Form 10-K. As required by GAAP, we determine whether an estimated loss from a loss contingency should be accrued by assessing whether a loss is deemed probable and the loss amount can be reasonably estimated. When it is possible to estimate reasonably possible

loss or range of loss above the amount accrued, that estimate is aggregated and disclosed. Estimates of potential outcomes of these contingencies are often developed in consultation with outside counsel. While this assessment is based upon all available information, litigation is inherently uncertain and the actual liability to fully resolve litigation cannot be predicted with any assurance of accuracy. In the event of an unfavorable outcome in one or more legal matters, the ultimate liability may be in excess of amounts currently accrued, if any, and may be material to our operating results or cash flows for a particular quarterly or annual period. However, based on information currently known to us, management believes that the ultimate outcome of all legal contingencies, as they are resolved over time, is not likely to have a material adverse effect on our financial condition.

Income taxes

We are subject to income taxes in the U.S. (federal and state) and foreign jurisdictions. Significant judgment is required in evaluating our uncertain tax positions and determining our provision for income taxes.

We estimate and use our expected annual effective income tax rates to accrue income taxes. Effective tax rates are determined based on budgeted earnings before taxes, including our best estimate of permanent items that will affect the effective rate for the year. Management periodically reviews these rates with outside tax advisors and changes are made if material variances from expectations are identified.

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax basis and operating loss and tax credit carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date.

A valuation allowance is provided to offset any net deferred tax assets if, based upon the available evidence, it is more likely than not that some or all of the deferred tax assets will not be realized. We consider estimated future taxable income, future reversals of the deferred tax liabilities, and tax planning strategies, in assessing the need for a valuation allowance. Changes in the relevant facts, including the accuracy of our estimated future taxable income, can significantly impact the judgment or need for valuation allowances. In the event we change our determination as to the amount of deferred tax assets that can be realized, we will adjust our valuation allowance with a corresponding impact to the provision for income taxes in the period in which such determination is made.

As of December 31, 2021, we released \$22.1 million of our valuation allowance on foreign tax credits related to the additional foreign source income resulting from our restructured Mexican manufacturing supply chain operations. As of December 31, 2022, there were no material adjustments to our valuation allowances. See Note 9 of Notes to the Consolidated Financial Statements in this Annual Report for further disclosures.

Item 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK.

We use derivative financial instruments primarily to reduce exposure to adverse fluctuations in foreign exchange rates, interest rates and costs of certain raw materials used in the manufacturing process. We do not enter into derivative financial instruments for trading purposes. As a matter of policy, all derivative positions are used to reduce risk by hedging underlying economic exposure. The derivatives we use are instruments with liquid markets. See Note 16 of Notes to the Consolidated Financial Statements for further details.

Our consolidated earnings, which are reported in United States dollars, are subject to translation risks due to changes in foreign currency exchange rates. This risk is concentrated in the exchange rate between the U.S. dollar and the euro; the U.S. dollar and the Canadian dollar; and the U.S. dollar and the Chinese yuan.

Our non-U.S. subsidiaries transact most business, including certain intercompany transactions, in foreign currencies. Such transactions are principally purchases or sales of materials and are denominated in European currencies, the Chinese yuan or the U.S. or Canadian dollar. We use foreign currency forward exchange contracts from time to time to manage the risk related to intercompany loans, intercompany purchases and intercompany sales that occur during the course of a year, and certain open foreign currency denominated commitments to sell products to third parties. We have entered into forward exchange contracts which hedge approximately 80% to 85% of the forecasted intercompany

purchases between one of our Canadian subsidiaries and our U.S. operating subsidiaries for the next twelve months. We also entered into forward exchange contracts which hedge up to 60% of the forecasted intercompany sales transactions between one of our Chinese subsidiaries and one of our U.S. operating subsidiaries for the next twelve months. We record the effective portion of the designated foreign currency hedge contracts in other comprehensive income until inventory turns and is sold to a third-party. Once the third-party transaction associated with the hedged forecasted transaction occurs, the effective portion of any related gain or loss on the designated foreign currency hedge is reclassified into cost of goods sold within earnings. The fair value of our designated foreign hedge contracts outstanding as of December 31, 2022 was an asset of \$0.2 million.

Under the Amended Credit Agreement, our earnings and cash flows are exposed to fluctuations in interest payments related to our floating rate debt. In order to manage our exposure, we entered into an interest rate swap on March 30, 2021. Under the interest rate swap agreement, we received the one-month USD-LIBOR subject to a 0.00% floor and paid a fixed rate of 1.02975% on a notional amount of \$100.0 million. On August 2, 2022, the Company amended the interest rate swap to replace LIBOR as a reference rate for borrowings with Term SOFR. Under the amended interest rate swap agreement, the Company receives the one-month Term SOFR subject to a -0.1% floor and pays a fixed rate of 0.942% on a notional amount of \$100.0 million. The swap matures on March 30, 2026. Information about our long-term debt facility and related interest rates appears in Note 16 of the Consolidated Financial Statements.

We purchase significant amounts of bronze ingot, brass rod, cast iron, stainless steel and plastic, which are utilized in manufacturing our many product lines. Our operating results can be adversely affected by changes in commodity prices if we are unable to pass on related price increases to our customers. We manage this risk by monitoring related market prices, working with our suppliers to achieve the maximum level of stability in their costs and related pricing, seeking alternative supply sources when necessary and passing increases in commodity costs to our customers, to the maximum extent possible, when they occur.

Item 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA.

The financial statements listed in section (a) (1) of “Part IV, Item 15. Exhibits, Financial Statement Schedules” of this Annual Report are incorporated herein by reference.

Item 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE.

None.

Item 9A. CONTROLS AND PROCEDURES.

Evaluation of Disclosure Controls and Procedures

As required by Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended, or Exchange Act, as of the end of the period covered by this report, we carried out an evaluation under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of our disclosure controls and procedures. In designing and evaluating our disclosure controls and procedures, we recognize that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives, and our management necessarily applies its judgment in evaluating and implementing possible controls and procedures. The effectiveness of our disclosure controls and procedures is also necessarily limited by the staff and other resources available to us and the geographic diversity of our operations. Based upon that evaluation, the Chief Executive Officer and Chief Financial Officer concluded that, as of the end of the period covered by this report, our disclosure controls and procedures were effective, in that they provided reasonable assurance that information required to be disclosed by us in the reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission’s rules and forms and in that such controls are designed to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

Management's Annual Report on Internal Control Over Financial Reporting

Management of the Company is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934. The Company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. The Company's internal control over financial reporting includes those policies and procedures that:

- (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the Company;
- (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the Company are being made only in accordance with authorizations of management and directors of the Company; and
- (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Management, including our Chief Executive Officer and Chief Financial Officer, assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2022. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control—Integrated Framework (2013).

Based on this assessment, management has concluded that our internal control over financial reporting was effective as of December 31, 2022.

The independent registered public accounting firm that audited the Company's consolidated financial statements included elsewhere in this Annual Report on Form 10-K has also audited the effectiveness of the Company's internal control over financial reporting as of December 31, 2022, as stated in this Annual Report on Form 10-K under the heading, "Report of Independent Registered Public Accounting Firm."

Changes in Internal Control Over Financial Reporting

There was no change in our internal control over financial reporting that occurred during the quarter ended December 31, 2022, that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. We will continue to review and document our disclosure controls and procedures, including our internal control over financial reporting, and may from time to time make changes aimed at enhancing their effectiveness and to ensure that our systems evolve with our business.

Item 9B. OTHER INFORMATION.

None.

Item 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS.

Not applicable.

PART III

Item 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE.

Information with respect to the executive officers of the Company is set forth in Part I, Item 1 of this Report under the caption “Information about Our Executive Officers and Directors” and is incorporated herein by reference. The information provided under the captions “Information as to Nominees for Director,” “Corporate Governance” and “Delinquent Section 16(a) Reports” in our definitive Proxy Statement for our 2023 Annual Meeting of Stockholders to be held on May 17, 2023 is incorporated herein by reference.

We have adopted a Code of Business Conduct applicable to all officers, employees and Board members. The Code of Business Conduct is posted in the Investors section of our website, www.wattswater.com. We will provide you with a print copy of our Code of Business Conduct free of charge on written request to our Corporate Secretary, Watts Water Technologies, Inc., 815 Chestnut Street, North Andover, MA 01845. Any amendments to, or waivers of, the Code of Business Conduct which apply to our Chief Executive Officer, Chief Financial Officer, Corporate Controller or any person performing similar functions will be disclosed on our website promptly following the date of such amendment or waiver.

Item 11. EXECUTIVE COMPENSATION.

The information provided under the captions “Director Compensation,” “Corporate Governance,” “Compensation Discussion and Analysis,” “Executive Compensation,” “Compensation Committee Interlocks and Insider Participation,” and “Compensation Committee Report” in our definitive Proxy Statement for our 2023 Annual Meeting of Stockholders to be held on May 17, 2023 is incorporated herein by reference.

The “Compensation Committee Report” contained in our Proxy Statement shall not be deemed “soliciting material” or “filed” with the Securities and Exchange Commission or otherwise subject to the liabilities of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any filings under the Securities Act of 1933 or the Exchange Act, except to the extent we specifically request that such information be treated as soliciting material or specifically incorporate such information by reference into a document filed under the Securities Act or Exchange Act.

Item 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS.

The information appearing under the caption “Principal Stockholders” in our definitive Proxy Statement for our 2023 Annual Meeting of Stockholders to be held on May 17, 2023 is incorporated herein by reference.

Securities Authorized for Issuance Under Equity Compensation Plans

The following table provides information as of December 31, 2022, about the shares of Class A common stock that may be issued upon the exercise of stock options, settlement of performance stock awards and vesting of deferred stock awards issued under the Company's Third Amended and Restated 2004 Stock Incentive Plan, and the settlement of restricted stock units granted under our Management Stock Purchase Plan as well as the number of shares remaining for future issuance under our Third Amended and Restated 2004 Stock Incentive Plan and Management Stock Purchase Plan.

Plan Category	Equity Compensation Plan Information		
	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plan (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by security holders	337,565 (1)	\$ 57.47 (2)	1,660,874 (3)
Equity compensation plans not approved by security holders	None	None	None
Total	337,565 (1)	\$ 57.47 (2)	1,660,874 (3)

(1) Represents 962 outstanding options, 145,888 performance stock awards and 113,944 deferred stock awards under the Third Amended and Restated 2004 Stock Incentive Plan, and 76,771 outstanding restricted stock units under the Management Stock Purchase Plan.

(2) Represents the weighted-average exercise price of the 962 outstanding options.

(3) Includes 955,686 shares available for future issuance under the Third Amended and Restated 2004 Stock Incentive Plan, and 705,188 shares available for future issuance under the Management Stock Purchase Plan.

Item 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE.

The information provided under the captions "Corporate Governance" and "Certain Relationships and Related Transactions" in our definitive Proxy Statement for our 2023 Annual Meeting of Stockholders to be held on May 17, 2023 is incorporated herein by reference.

Item 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

The information provided under the caption "Ratification of Independent Registered Public Accounting Firm" in our definitive Proxy Statement for our 2023 Annual Meeting of Stockholders to be held on May 17, 2023 is incorporated herein by reference.

PART IV

Item 15. EXHIBITS, FINANCIAL STATEMENT SCHEDULES.

(a)(1) Financial Statements

The following financial statements are included in a separate section of this Report commencing on the page numbers specified below:

Report of Independent Registered Public Accounting Firm (KPMG LLP, Boston, MA, PCAOB ID: 185)	47
Consolidated Statements of Operations for the years ended December 31, 2022, 2021 and 2020	49
Consolidated Statements of Comprehensive Income for the years ended December 31, 2022, 2021 and 2020	50
Consolidated Balance Sheets as of December 31, 2022 and 2021	51
Consolidated Statements of Stockholders' Equity for the years ended December 31, 2022, 2021 and 2020	52
Consolidated Statements of Cash Flows for the years ended December 31, 2022, 2021 and 2020	53
Notes to Consolidated Financial Statements	54

(a)(2) Schedules

Schedule II—Valuation and Qualifying Accounts for the years ended December 31, 2022, 2021 and 2020	83
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All other required schedules for which provision is made in the applicable accounting regulations of the Securities and Exchange Commission are included in the Notes to the Consolidated Financial Statements.

(a)(3) Exhibits

The exhibits listed in the Exhibit Index immediately preceding the signature page hereto are filed as part of this Annual Report on Form 10-K.

Item 16. FORM 10-K SUMMARY.

None.

Report of Independent Registered Public Accounting Firm

To the Stockholders and Board of Directors
Watts Water Technologies, Inc.:

Opinions on the Consolidated Financial Statements and Internal Control Over Financial Reporting

We have audited the accompanying consolidated balance sheets of Watts Water Technologies, Inc. and subsidiaries (the Company) as of December 31, 2022 and 2021, the related consolidated statements of operations, comprehensive income, stockholders' equity, and cash flows for each of the years in the three-year period ended December 31, 2022, and the related notes and financial statement Schedule II - Valuation and Qualifying Accounts (collectively, the consolidated financial statements). We also have audited the Company's internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the years in the three-year period ended December 31, 2022, in conformity with U.S. generally accepted accounting principles. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2022 based on criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's consolidated financial statements and an opinion on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the

transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of a critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Product liability accrual

As discussed in Notes 10 and 15 to the consolidated financial statements, the Company's product liability accrual as of December 31, 2022 was \$22.4 million. The Company is generally self-insured for potential product liability claims. For its most significant volume of liability matters, the Company uses third-party actuarial valuations, which incorporate historical trend factors and its specific claims experience derived from loss reports provided by third-party claims administrators, to establish its product liability accrual.

We identified the evaluation of the product liability accrual as a critical audit matter. A high degree of auditor judgment and actuarial professionals with specialized skills and knowledge were required to (1) assess the actuarial methods used, and (2) evaluate the estimated ultimate losses on claims that are based on application of loss development factors to historical claims experience.

The following are the primary procedures we performed to address this critical audit matter. We evaluated the design and tested the operating effectiveness of internal controls related to the product liability accrual, which included controls over the review of the actuarial valuations and selection of estimated ultimate losses, as well as completeness and accuracy of claims data used in the actuarial valuations. We tested current year claims data used to estimate the product liability accrual by selecting certain claims and comparing them to relevant underlying claim information, including documentation of claim payments. We involved an actuarial professional with specialized skills and knowledge, who assisted in:

- assessing the actuarial methods used to calculate the product liability accrual for consistency with generally accepted actuarial standards;
- assessing the loss development factors by comparing them to historical loss development factors and industry loss development trends; and
- evaluating the weighting of actuarial methods used to derive ultimate losses.

/s/ KPMG LLP

We have served as the Company's auditor since 1997.

Boston, Massachusetts

February 21, 2023

Watts Water Technologies, Inc. and Subsidiaries

Consolidated Statements of Operations

(Amounts in millions, except per share information)

	Year Ended December 31,		
	2022	2021	2020
Net sales	\$ 1,979.5	\$ 1,809.2	\$ 1,508.6
Cost of goods sold	1,105.2	1,042.1	883.2
GROSS PROFIT	874.3	767.1	625.4
Selling, general and administrative expenses	550.5	508.2	434.4
Restructuring	10.6	19.3	9.9
Gain on sale of asset	(1.8)	—	—
OPERATING INCOME	315.0	239.6	181.1
Other (income) expense:			
Interest income	(0.6)	—	(0.2)
Interest expense	7.0	6.3	13.3
Other expense (income), net	1.0	(0.8)	1.0
Total other expense	7.4	5.5	14.1
INCOME BEFORE INCOME TAXES	307.6	234.1	167.0
Provision for income taxes	56.1	68.4	52.7
NET INCOME	\$ 251.5	\$ 165.7	\$ 114.3
Basic EPS			
NET INCOME PER SHARE	\$ 7.51	\$ 4.90	\$ 3.37
Weighted average number of shares	33.5	33.8	33.9
Diluted EPS			
NET INCOME PER SHARE	\$ 7.48	\$ 4.88	\$ 3.36
Weighted average number of shares	33.6	33.9	34.0
Dividends declared per share	\$ 1.16	\$ 1.01	\$ 0.92

The accompanying notes are an integral part of these consolidated financial statements.

Watts Water Technologies, Inc. and Subsidiaries

Consolidated Statements of Comprehensive Income

(Amounts in millions)

	Year Ended December 31,		
	2022	2021	2020
Net income	\$ 251.5	\$ 165.7	\$ 114.3
Other comprehensive (loss) income net of tax:			
Foreign currency translation adjustments	(29.1)	(28.0)	31.4
Cash flow hedges	6.5	0.7	(0.6)
Other comprehensive (loss) income	(22.6)	(27.3)	30.8
Comprehensive income	<u>\$ 228.9</u>	<u>\$ 138.4</u>	<u>\$ 145.1</u>

The accompanying notes are an integral part of these consolidated financial statements.

Watts Water Technologies, Inc. and Subsidiaries

Consolidated Balance Sheets

(Amounts in millions, except share information)

	December 31,	
	2022	2021
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 310.8	\$ 242.0
Trade accounts receivable, less reserve allowances of \$10.7 million at December 31, 2022 and \$10.3 million at December 31, 2021	233.8	220.9
Raw materials	138.0	119.4
Work in process	21.0	20.4
Finished goods	216.6	230.9
Total Inventories	375.6	370.7
Prepaid expenses and other current assets	30.4	27.9
Total Current Assets	950.6	861.5
PROPERTY, PLANT AND EQUIPMENT		
Property, plant and equipment, at cost	595.6	608.8
Accumulated depreciation	(398.8)	(408.1)
Property, plant and equipment, net	196.8	200.7
OTHER ASSETS:		
Goodwill	592.4	600.7
Intangible assets, net	113.7	128.6
Deferred income taxes	17.8	3.5
Other, net	59.6	60.6
TOTAL ASSETS	\$ 1,930.9	\$ 1,855.6
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Accounts payable	\$ 134.3	\$ 143.4
Accrued expenses and other liabilities	174.6	186.9
Accrued compensation and benefits	69.8	78.2
Total Current Liabilities	378.7	408.5
LONG-TERM DEBT	147.6	141.9
DEFERRED INCOME TAXES	26.2	40.5
OTHER NONCURRENT LIABILITIES	77.8	91.5
STOCKHOLDERS' EQUITY:		
Preferred Stock, \$0.10 par value; 5,000,000 shares authorized; no shares issued or outstanding	—	—
Class A common stock, \$0.10 par value; 120,000,000 shares authorized; 1 vote per share; issued and outstanding, 27,314,679 shares at December 31, 2022 and 27,584,525 shares at December 31, 2021	2.7	2.8
Class B common stock, \$0.10 par value; 25,000,000 shares authorized; 10 votes per share; issued and outstanding, 5,958,290 shares at December 31, 2022 and 6,024,290 shares at December 31, 2021	0.6	0.6
Additional paid-in capital	651.9	631.2
Retained earnings	795.3	665.9
Accumulated other comprehensive loss	(149.9)	(127.3)
Total Stockholders' Equity	1,300.6	1,173.2
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	\$ 1,930.9	\$ 1,855.6

The accompanying notes are an integral part of these consolidated financial statements.

Watts Water Technologies, Inc. and Subsidiaries

Consolidated Statements of Stockholders' Equity

(Amounts in millions, except share information)

	Class A Common Stock		Class B Common Stock		Additional Paid-In Capital	Retained Earnings	Accumulated Other Comprehensive Loss	Total Stockholders' Equity
	Shares	Amount	Shares	Amount				
Balance at December 31, 2019	27,586,416	\$ 2.8	6,279,290	\$ 0.6	\$ 591.5	\$ 513.9	\$ (130.8)	\$ 978.0
Net income	—	—	—	—	—	114.3	—	114.3
Other comprehensive loss	—	—	—	—	—	—	30.8	30.8
Comprehensive income								145.1
Shares of Class B common stock converted to Class A common stock	135,000	—	(135,000)	—	—	—	—	—
Shares of Class A common stock issued upon the exercise of stock options	4,666	—	—	—	0.4	—	—	0.4
Stock-based compensation	—	—	—	—	12.7	—	—	12.7
Stock repurchase	(331,531)	—	—	—	—	(28.9)	—	(28.9)
Net change in restricted stock units	83,961	—	—	—	1.7	(7.8)	—	(6.1)
Common stock dividends	—	—	—	—	—	(31.4)	—	(31.4)
Balance at December 31, 2020	27,478,512	\$ 2.8	6,144,290	\$ 0.6	\$ 606.3	\$ 560.1	\$ (100.0)	\$ 1,069.8
Net income	—	—	—	—	—	165.7	—	165.7
Other comprehensive income	—	—	—	—	—	—	(27.3)	(27.3)
Comprehensive income							—	138.4
Shares of Class B common stock converted to Class A common stock	120,000	—	(120,000)	—	—	—	—	—
Shares of Class A common stock issued upon the exercise of stock options	1,440	—	—	—	0.1	—	—	0.1
Stock-based compensation	—	—	—	—	22.9	—	—	22.9
Stock repurchase	(109,998)	—	—	—	—	(16.0)	—	(16.0)
Net change in restricted stock units	94,571	—	—	—	1.9	(9.6)	—	(7.7)
Common stock dividends	—	—	—	—	—	(34.3)	—	(34.3)
Balance at December 31, 2021	27,584,525	\$ 2.8	6,024,290	\$ 0.6	\$ 631.2	\$ 665.9	\$ (127.3)	\$ 1,173.2
Net income	—	—	—	—	—	251.5	—	251.5
Other comprehensive loss	—	—	—	—	—	—	(22.6)	(22.6)
Comprehensive income							—	228.9
Shares of Class B common stock converted to Class A common stock	66,000	—	(66,000)	—	—	—	—	—
Shares of Class A common stock issued upon the exercise of stock options	2,325	—	—	—	0.2	—	—	0.2
Stock-based compensation	—	—	—	—	18.4	—	—	18.4
Stock repurchase	(493,733)	(0.1)	—	—	—	(69.3)	—	(69.4)
Net change in restricted stock units	155,562	—	—	—	2.1	(13.3)	—	(11.2)
Common stock dividends	—	—	—	—	—	(39.5)	—	(39.5)
Balance at December 31, 2022	27,314,679	\$ 2.7	5,958,290	\$ 0.6	\$ 651.9	\$ 795.3	\$ (149.9)	\$ 1,300.6

The accompanying notes are an integral part of these consolidated financial statements.

Watts Water Technologies, Inc. and Subsidiaries

Consolidated Statements of Cash Flows

(Amounts in millions)

	Year Ended December 31,		
	2022	2021	2020
OPERATING ACTIVITIES			
Net income	\$ 251.5	\$ 165.7	\$ 114.3
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation	27.6	31.4	31.3
Amortization of intangibles	12.1	13.7	15.2
(Gain) on sale of asset, loss on disposal and impairment of long-lived asset	(0.2)	1.4	4.0
Stock-based compensation	18.4	22.9	12.7
Deferred income tax	(29.6)	(8.2)	7.0
Changes in operating assets and liabilities:			
Accounts receivable	(20.0)	(30.2)	32.2
Inventories	(16.4)	(113.7)	18.7
Prepaid expenses and other assets	1.9	(0.8)	0.7
Accounts payable, accrued expenses and other liabilities	(21.3)	98.6	(7.3)
Net cash provided by operating activities	<u>224.0</u>	<u>180.8</u>	<u>228.8</u>
INVESTING ACTIVITIES			
Additions to property, plant and equipment	(28.1)	(26.7)	(43.8)
Proceeds from the sale of property, plant and equipment	5.2	5.1	2.2
Proceeds from the sale of business, and other	—	—	2.0
Business acquisitions, net of cash acquired	—	(9.1)	(15.2)
Net cash used in investing activities	<u>(22.9)</u>	<u>(30.7)</u>	<u>(54.8)</u>
FINANCING ACTIVITIES			
Proceeds from long-term borrowings	85.0	40.0	407.5
Payments of long-term debt	(80.0)	(95.0)	(517.5)
Payments for withholding taxes on vested awards	(13.3)	(9.6)	(7.8)
Payments for finance leases and other	(4.7)	(1.4)	(2.1)
Proceeds from share transactions under employee stock plans	0.2	0.1	0.5
Debt issuance costs	—	(2.4)	(2.2)
Payments to repurchase common stock	(69.4)	(16.0)	(28.9)
Dividends	(39.5)	(34.3)	(31.4)
Net cash used in financing activities	<u>(121.7)</u>	<u>(118.6)</u>	<u>(181.9)</u>
Effect of exchange rate changes on cash and cash equivalents	<u>(10.6)</u>	<u>(8.4)</u>	<u>7.1</u>
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	<u>68.8</u>	<u>23.1</u>	<u>(0.8)</u>
Cash and cash equivalents at beginning of year	<u>242.0</u>	<u>218.9</u>	<u>219.7</u>
CASH AND CASH EQUIVALENTS AT END OF YEAR	<u>\$ 310.8</u>	<u>\$ 242.0</u>	<u>\$ 218.9</u>
SUPPLEMENTAL CASH FLOW DISCLOSURE:			
Acquisition of businesses:			
Fair value of assets acquired	\$ —	\$ 12.1	\$ 20.4
Cash paid, net of cash acquired	—	9.1	15.2
Liabilities assumed	\$ —	\$ 3.1	\$ 5.2
Issuance of stock under management stock purchase plan	<u>\$ 0.4</u>	<u>\$ 0.6</u>	<u>\$ 0.6</u>
CASH PAID FOR:			
Interest	<u>\$ 5.7</u>	<u>\$ 6.9</u>	<u>\$ 12.2</u>
Income taxes	<u>\$ 85.8</u>	<u>\$ 73.0</u>	<u>\$ 45.6</u>

The accompanying notes are an integral part of these consolidated financial statements.

Watts Water Technologies, Inc. and Subsidiaries

Notes to Consolidated Financial Statements

(1) Description of Business

Watts Water Technologies, Inc. (the Company) is a leading supplier of products and solutions that manage and conserve the flow of fluids and energy into, through and out of buildings in the commercial, industrial and residential markets in the Americas, Europe, and Asia-Pacific, Middle East, and Africa (APMEA). For nearly 150 years, the Company has designed and produced valve systems that safeguard and regulate water systems, energy efficient heating and hydronic systems, drainage systems and water filtration technology that helps purify and conserve water.

(2) Accounting Policies

Principles of Consolidation

The consolidated financial statements include the accounts of the Company and its majority and wholly-owned subsidiaries. Upon consolidation, all intercompany accounts and transactions are eliminated.

Cash Equivalents

Cash equivalents consist of instruments with original maturities of three months or less and consist primarily of money market funds, for which the carrying amount is a reasonable estimate of fair value.

Allowance for Credit Losses

The allowance for credit losses is established to represent the Company's best estimate of the net realizable value of the outstanding amount of receivables that it will be unable to collect. The Company developed financial asset pools that consist of business or legal entities with similar risk and economic characteristics, including types of products and customers, trade receivable characteristics, and history of credit losses on trade receivables. The development of the Company's allowance for credit losses varies by asset pool but in general is based on a review of past due amounts, historical write-off experience, aging trends affecting specific accounts, changes in customer payment terms, general operational factors affecting all accounts and as applicable current economic conditions and reasonable and supportable forecasted economic conditions that affect collectability. In addition, factors are developed in certain regions utilizing historical trends of sales and returns and allowances and cash discount activities to derive a reserve for returns and allowances and cash discounts. The Company also monitors the creditworthiness of the Company's largest customers and periodically reviews customer credit limits to reduce risk. If circumstances relating to specific customers change or unanticipated changes occur in the general business environment, the Company's estimates of the recoverability of receivables could be further adjusted.

Concentration of Credit

The Company sells products to a diversified customer base and, therefore, has no significant concentrations of credit risk. In 2022, 2021 and 2020, no customer accounted for 10% or more of the Company's total sales or accounts receivable.

Inventories

Inventories are stated at the lower of cost or net realizable value with costs determined primarily on the first-in, first-out method. The Company utilizes both specific product identification and historical product demand as the basis for estimating its excess or obsolete inventory reserve, which is evaluated at least quarterly. The Company identifies all inventories that exceed a range of one to three years in sales to calculate inventory on hand that exceeds estimated demand. This is determined by comparing the current inventory balance against unit sales for the trailing twelve months. New products added to inventory within the past twelve months are excluded from this analysis. A portion of the Company's products contain recoverable materials, therefore the excess and obsolete reserve is established net of any estimated recoverable amounts based on historical experience. Changes in market conditions, lower-than-expected customer demand or changes in technology or features could result in additional excess or obsolete inventory that is not saleable and could require additional inventory reserve provisions.

Goodwill and Other Intangible Assets

Goodwill is recorded when the consideration paid for acquisitions exceeds the fair value of net tangible and intangible assets acquired. Goodwill and other intangible assets with indefinite useful lives are not amortized, but rather are tested for impairment at least annually or more frequently if events or circumstances indicate that it is "more likely than not" that they might be impaired, such as from a change in business conditions. The Company performs its annual goodwill and indefinite-lived intangible assets impairment assessment in the fourth quarter of each year.

Long-Lived Assets

Intangible assets with estimable lives and other long-lived assets are reviewed for indicators of impairment at least quarterly or more frequently if events or changes in circumstances indicate that the carrying amount of an asset or asset group may not be recoverable.

Property, Plant and Equipment

Property, plant and equipment are recorded at cost. Depreciation is provided on a straight-line basis over the estimated useful lives of the assets, which range from 10 to 40 years for buildings and improvements and 2 to 15 years for machinery and equipment. Leasehold improvements are depreciated over the lesser of the economic useful life of the asset or the remaining lease term.

Leases

The Company has leases for the following classes of underlying assets: real estate, automobiles, manufacturing equipment, facility equipment, office equipment and certain service arrangements that are dependent on an identified asset. The Company determines if an arrangement qualifies as a lease at its inception. The Company, as the lessee, recognizes in the consolidated balance sheets a liability to make lease payments and a right-of-use asset ("ROU") representing the right to use the underlying asset for both finance and operating leases with a lease term longer than twelve months. The Company elected the short-term lease recognition exemption for all leases that qualify and does not recognize ROU assets or lease liabilities for short-term leases. The Company recognizes short-term lease payments on a straight-line basis over the lease term in the consolidated statements of operations. The Company determines the initial classification and measurement of its ROU assets and lease liabilities at the lease commencement date and thereafter if modified.

For operating leases, the lease liability is initially and subsequently measured at the present value of the unpaid lease payments at the lease commencement date. For finance leases, the lease liability is initially measured in the same manner and date as operating leases and is subsequently measured at amortized cost using the effective interest method.

Measuring the lease liability requires certain estimates and judgments. These estimates and judgments include how the Company determines 1) the discount rate it uses to discount the unpaid lease payments to present value; 2) lease term; and 3) lease payments.

- The present value of lease payments is determined using the interest rate implicit in the lease, if that rate is readily determinable; otherwise, the Company uses its incremental borrowing rate. Generally, the Company cannot determine the interest rate implicit in the lease because it does not have access to the lessor's estimated residual value or the amount of the lessor's deferred initial direct costs. Therefore, the Company uses the incremental borrowing rate as the discount rate for the lease. The Company's incremental borrowing rate for a lease is the rate of interest it would have to pay on a collateralized basis to borrow an amount equal to the lease payments under a similar term. The Company's incremental borrowing rate is determined by using a portfolio approach by geographic region, considering many factors, such as the Company's specific credit risk, the amount of the lease payments, collateralized nature of the lease, both borrowing term and the lease term, and geographical economic considerations.
- The lease term for all of the Company's leases includes the fixed, noncancelable term of the lease plus (a) all periods, if any, covered by options to extend the lease if the Company is reasonably certain to exercise that option, (b) all periods, if any, covered by an option to terminate the lease if the Company is reasonably certain not to exercise that option, and (c) all periods, if any, covered by an option to extend (or not to terminate) the lease in which exercise of the option is controlled by the lessor. When determining if a renewal option is reasonably certain of being exercised, the Company considers several economic factors, including but not limited to, the significance of leasehold improvements incurred on the property, whether the asset is difficult to replace, underlying contractual obligations, or specific characteristics unique to that particular lease that would make it reasonably certain to exercise such option.
- Lease payments included in the measurement of the lease liability include the following:
 - Fixed payments, including in-substance fixed payments, owed over the lease term (which includes termination penalties the Company would owe if the lease term assumes Company exercise of a termination option), less any lease incentives paid or payable to the Company;
 - Variable lease payments that depend on an index or rate initially measured using the index or rate at the commencement date;
 - Amounts expected to be payable under a Company-provided residual value guarantee; and
 - The exercise price of a Company option to purchase the underlying asset if the Company is reasonably certain to exercise that option.

The ROU asset is initially measured at cost, which comprises the initial amount of the lease liability adjusted for the lease payments made at or before the lease commencement date, plus any initial direct costs incurred less any lease incentives received.

For operating leases, the ROU asset is subsequently measured throughout the lease term at the carrying amount of the lease liability, plus initial direct costs, plus (minus) any prepaid (accrued) lease payments, less the unamortized balance of lease incentives received. Lease expense for operating leases is recognized on a straight-line basis over the reasonably assured lease term based on the total lease payments and is included in cost of goods sold or within selling, general and administrative expenses in the consolidated statements of operations, based on the primary use of the ROU asset.

For finance leases, the Company recognizes the amortization of the ROU asset on a straight-line basis from the lease commencement date to the earlier of the end of the useful life or the end of the lease term unless the lease transfers ownership of the underlying asset to the Company or the Company is reasonably certain to exercise an option to purchase the underlying asset. In those cases, the ROU asset is amortized over the useful life of the underlying asset. Amortization of the ROU asset is recognized in depreciation in the consolidated statements of operations. The interest expense related to finance leases is recognized using the effective interest method and is included within interest expense.

Variable lease payments associated with the Company's leases are recognized in the period when the event, activity, or circumstance in the lease agreement on which those payments are assessed occurs and are included in cost of goods sold or within selling, general and administrative expenses in the consolidated statements of operations, based on the primary use of the ROU asset.

ROU assets for operating and finance leases are assessed for impairment at least quarterly or more frequently if events or changes in circumstances indicate that the carrying amount of an asset or asset group may not be recoverable. The Company uses the long-lived assets impairment guidance in ASC Subtopic 360-10, *Property, Plant, and Equipment-Overall*, to determine whether an ROU asset is impaired, and if so, the amount of the impairment loss to recognize.

The Company monitors for events or changes in circumstances that require a reassessment of one of its leases. When a reassessment results in a remeasurement of a lease liability, a corresponding adjustment is made to the carrying amount of the corresponding ROU asset unless doing so would reduce the carrying amount of the ROU asset to an amount less than zero. In that case, the amount of the adjustment that would result in a negative ROU asset balance is recorded in the consolidated statements of operations.

Income Taxes

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date.

The Company recognizes tax benefits when the item in question meets the more-likely-than-not (greater than 50% likelihood of being sustained upon examination by the taxing authorities) threshold.

Foreign Currency Translation

The functional currency for most of the Company's foreign subsidiaries is their local currency. For non-U.S. subsidiaries that transact in a functional currency other than the U.S. dollar, assets and liabilities are translated at current rates of exchange at the balance sheet date. Income and expense items are translated at the average foreign currency exchange rates for the period. Adjustments resulting from the translation of the financial statements of foreign operations into U.S. dollars are excluded from the determination of net income and are recorded in accumulated other comprehensive income, a separate component of equity. Transaction gains and losses are included in other (income) expense, net in the consolidated statements of operations. For subsidiaries where the functional currency of the assets and liabilities differs from the local currency, non-monetary assets and liabilities are translated at the rate of exchange in effect on the date assets were acquired while monetary assets and liabilities are translated at current rates of exchange as of the balance sheet date. Income and expense items are translated at the average foreign currency rates for the period. Translation adjustments for these subsidiaries are included in other (income) expense, net in the consolidated statements of operations.

Stock-Based Compensation

The Company records compensation expense in the financial statements for share-based awards based on the grant date fair value of those awards for restricted stock awards and deferred stock awards. Stock-based compensation expense for restricted stock awards and deferred stock awards is recognized over the requisite service periods of the awards on a straight-line basis, which is generally commensurate with the vesting term. The performance stock units offered by the Company to employees are amortized to expense over the vesting period, and based on the Company's performance relative to the performance goals, may be adjusted. Changes to the estimated shares expected to vest will result in adjustments to the related share-based compensation expense that will be recorded in the period of change. The Company accounts for forfeitures as they occur, rather than estimate expected forfeitures over the vesting period of the respective grant. The Company does not reclassify the benefits associated with tax deductions in excess of recognized compensation cost from operating activities to financing activities in the consolidated statements of cash flows.

Financial Instruments

In the normal course of business, the Company manages risks associated with commodity prices, foreign exchange rates and interest rates through a variety of strategies, including the use of hedging transactions, executed in accordance with the Company's policies. The Company's hedging transactions include, but are not limited to, the use of various derivative financial and commodity instruments. As a matter of policy, the Company does not use derivative instruments unless there is an underlying exposure. Any change in value of the derivative instruments would be substantially offset by an opposite change in the value of the underlying hedged items. The Company does not use derivative instruments for trading or speculative purposes.

Derivative instruments may be designated and accounted for as either a hedge of a recognized asset or liability (fair value hedge) or a hedge of a forecasted transaction (cash flow hedge). For a fair value hedge, both the effective and ineffective portions of the change in fair value of the derivative instrument, along with an adjustment to the carrying amount of the hedged item for fair value changes attributable to the hedged risk, are recognized in earnings. For a cash flow hedge, changes in the fair value of the derivative instrument that are highly effective are deferred in accumulated other comprehensive income or loss until the underlying hedged item is recognized in earnings. The Company had an interest rate swap and foreign exchange hedges designated as cash flow hedges as of December 31, 2022. Refer to Note 16 for further details.

If a fair value or cash flow hedge were to cease to qualify for hedge accounting or be terminated, it would continue to be carried on the balance sheet at fair value until settled, but hedge accounting would be discontinued prospectively. If a forecasted transaction were no longer probable of occurring, amounts previously deferred in accumulated other comprehensive income would be recognized immediately in earnings. On occasion, the Company may enter into a derivative instrument that does not qualify for hedge accounting because it is entered into to offset changes in the fair value of an underlying transaction which is required to be recognized in earnings (natural hedge). These instruments are reflected in the consolidated balance sheets at fair value with changes in fair value recognized in earnings.

Portions of the Company's outstanding debt are exposed to interest rate risks. The Company monitors its interest rate exposures on an ongoing basis to maximize the overall effectiveness of its interest rates.

Fair Value Measurements

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. An entity is required to maximize the use of observable inputs, where available, and minimize the use of unobservable inputs when measuring fair value.

The Company has certain financial assets and liabilities that are measured at fair value on a recurring basis and certain nonfinancial assets and liabilities that may be measured at fair value on a nonrecurring basis. The fair value disclosures of these assets and liabilities are based on a three-level hierarchy, which is defined as follows:

- Level 1** Quoted prices in active markets for identical assets or liabilities that the entity has the ability to access at the measurement date.
- Level 2** Observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.
- Level 3** Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

Assets and liabilities subject to this hierarchy are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. The Company's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment and considers factors specific to the asset or liability. Refer to Note 16 for further details.

Shipping and Handling

Shipping and handling costs included in selling, general and administrative expense amounted to \$73.4 million, \$69.4 million and \$55.0 million for the years ended December 31, 2022, 2021 and 2020, respectively.

Research and Development

Research and development costs included in selling, general, and administrative expense amounted to \$59.4 million, \$45.6 million and \$42.2 million for the years ended December 31, 2022, 2021 and 2020, respectively.

Revenue Recognition

The Company recognizes revenue under the core principle to depict the transfer of control to the Company's customers in an amount reflecting the consideration to which the Company expects to be entitled. In order to achieve that core principle, the Company applies the following five-step approach: (1) identify the contract with a customer, (2) identify the performance obligations in the contract, (3) determine the transaction price, (4) allocate the transaction price to the performance obligations in the contract, and (5) recognize revenue when a performance obligation is satisfied. When determining the transaction price of each contract, we consider contractual consideration payable by the customer and assess variable consideration that may affect the total transaction price. Variable consideration, consisting of early payment discounts, rebates and other sources of price variability, are included in the estimated transaction price based on both customer-specific information as well as historical experience. The Company regularly reviews its estimates of variable consideration on the transaction price and recognizes changes in estimates on a cumulative catch-up basis as if the most current estimate of the transaction price adjusted for variable consideration had been known as of the inception of the contract.

The Company's revenue for product sales is recognized on a point in time model, at the point control transfers to the customer, which is generally when products are shipped from the Company's manufacturing or distribution facilities or when delivered to the customer's named location. Sales tax, value-added tax, or other taxes collected concurrent with revenue producing activities are excluded from revenue. Freight costs billed to customers for shipping and handling activities are included in revenue with the related cost included in selling, general and administrative expenses. See Note 4 for further disclosures and detail regarding revenue recognition.

Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. The use of estimates in specific accounting policies is described further below as appropriate. Actual results could differ from those estimates.

(3) Restructuring and Other Charges, Net

The Company's Board of Directors approves all major restructuring programs that may involve the discontinuance of significant product lines or the shutdown of significant facilities. From time to time, the Company takes additional restructuring actions, including involuntary terminations that are not part of a major program. The Company accounts for these costs in the period that the liability is incurred. These costs are included in restructuring charges in the Company's consolidated statements of operations.

A summary of the pre-tax cost by restructuring program is as follows:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Restructuring costs:			
2021 France Actions	\$ 5.1	\$ 19.7	\$ —
Other Actions	5.5	(0.4)	9.9
Total restructuring charges	<u>\$ 10.6</u>	<u>\$ 19.3</u>	<u>\$ 9.9</u>

The Company recorded pre-tax restructuring in its business segments as follows:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Americas	\$ 2.2	\$ (0.3)	\$ 6.1
Europe	8.5	19.5	1.3
APMEA	(0.1)	0.1	2.4
Corporate	—	—	0.1
Total	<u>\$ 10.6</u>	<u>\$ 19.3</u>	<u>\$ 9.9</u>

2021 France Restructuring Actions

On June 25, 2021, the Board of Directors approved a restructuring program with respect to the Company's operating facilities in France, within its Europe operating segment. The restructuring program included the shutdown of the Company's manufacturing facility in Méry, France and the consolidation of that facility's operations primarily into the Company's facilities in Virey-le-Grand and Hautvillers, France. As of December 31, 2022, the Company had incurred all pre-tax restructuring charges related to the program, resulting in total program charges of \$24.8 million. The total charges include costs for employee severance, relocation of equipment, clean-up of the facility and certain asset write-downs, and resulted in the elimination of approximately 80 positions at the Méry, France facility. As a result of the facility consolidation, the net headcount reduction in France was approximately 40 positions. Total net after-tax charges for this restructuring program were approximately \$18.4 million (including approximately \$1.5 million in non-cash charges). The Company spent approximately \$0.6 million in capital expenditures to consolidate operations. In the fourth quarter of 2022, the Company received cash proceeds from the sale of the manufacturing facility of approximately \$4.3 million and recognized a pre-tax gain on sale of approximately \$1.8 million. Annual cash savings, net of tax, are estimated to be approximately \$3.0 million, which the Company expects to fully realize by 2023.

The following table summarizes by type, the total incurred pre-tax restructuring costs for the Company's restructuring program related to the 2021 France Actions:

	<u>Severance</u>	<u>Legal and consultancy</u>	<u>Asset write-downs</u> (in millions)	<u>Facility exit and other</u>	<u>Total</u>
Costs incurred — 2021	\$ 16.9	\$ 0.9	\$ 0.9	\$ 1.0	\$ 19.7
Costs incurred — 2022	3.5	0.2	0.8	0.6	5.1
Total restructuring costs	<u>\$ 20.4</u>	<u>\$ 1.1</u>	<u>\$ 1.7</u>	<u>\$ 1.6</u>	<u>\$ 24.8</u>

Details of the restructuring reserve activity for the Company's 2021 France Actions for the year ended December 31, 2022 are as follows:

	<u>Severance</u>	<u>Legal and consultancy</u>	<u>Asset write-downs</u> (in millions)	<u>Facility exit and other</u>	<u>Total</u>
Balance at December 31, 2020	\$ —	\$ —	\$ —	\$ —	\$ —
Net pre-tax restructuring charges	16.9	0.9	0.9	1.0	19.7
Utilization and foreign currency impact	(7.0)	(0.7)	(0.9)	(0.5)	(9.1)
Balance at December 31, 2021	\$ 9.9	\$ 0.2	\$ —	\$ 0.5	\$ 10.6
Net pre-tax restructuring charges	3.5	0.2	0.8	0.6	5.1
Utilization and foreign currency impact	(11.5)	(0.4)	(0.8)	(1.1)	(13.8)
Balance at December 31, 2022	<u>\$ 1.9</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 1.9</u>

Other Actions

The Company periodically initiates other actions which are not part of a major program. Total "Other Actions" pre-tax restructuring charges was expense of \$5.5 million, a credit of \$0.4 million and expense of \$9.9 million for the years ended December 31, 2022, 2021 and 2020, respectively.

Included in "Other Actions" for the year ended December 31, 2022, was \$3.2 million and \$0.9 million of restructuring charges associated with cost saving actions in the Europe and Americas segments, respectively, and related to severance and other costs; and \$1.4 million of facility exit charges were recognized associated with the decommissioning of machinery at one of the Company's facilities in the Americas.

Included in “Other Actions” for the year ended December 31, 2020, were actions taken in the Americas, Europe and APMEA segments and Corporate primarily in response to the COVID-19 pandemic. For the year ended December 31, 2021 total pre-tax charges for the 2020 “Other Actions” were reduced by approximately \$0.8 million due to revised estimates for severance costs, health benefits and outplacement support. This resulted in total program restructuring charges of approximately \$9.7 million.

(4) Revenue Recognition

The Company is a leading supplier of products and solutions that manage and conserve the flow of fluids and energy into, through and out of buildings in the commercial, industrial and residential markets. For nearly 150 years, the Company has designed and produced valve systems that safeguard and regulate water systems, energy efficient heating and hydronic systems, drainage systems and water filtration technology that helps purify and conserve water.

The Company distributes products through four primary distribution channels: wholesale, original equipment manufacturers (OEMs), specialty, and do-it-yourself (DIY). The Company operates in three geographic segments: Americas, Europe, and APMEA. Each of these segments sells similar products, which are comprised of the following principal product categories:

- Residential & commercial flow control and protection products—includes products typically sold into plumbing and hot water applications such as backflow preventers, water pressure regulators, temperature and pressure relief valves, thermostatic mixing valves and leak detection and protection products. Many of our flow control and protection products are now smart and connected warning of leaks and floods with alerts to Business Management Systems (BMS) and/or personal devices giving our customers greater insight into their water management and the ability to shut off the water supply to avoid waste and mitigate damage.
- HVAC & gas products—includes commercial high-efficiency boilers, water heaters and custom heat and hot water solutions, hydronic and electric heating systems for under-floor radiant applications, hydronic pump groups for boiler manufacturers and alternative energy control packages, and flexible stainless steel connectors for natural and liquid propane gas in commercial food service and residential applications. Most of our HVAC products feature advanced controls enabling customers to easily connect to the Building Automation System for better monitoring, control and operation. HVAC is an acronym for heating, ventilation and air conditioning.
- Drainage & water re-use products—includes drainage products and engineered rain water harvesting solutions for commercial, industrial, marine and residential applications, including connected roof drain systems.
- Water quality products—includes point-of-use and point-of-entry water filtration, monitoring, conditioning and scale prevention systems for commercial, marine and residential applications.

The following table disaggregates revenue, which is presented as net sales in the financial statements, for each reportable segment, by distribution channel and principal product category:

Distribution Channel	For the year ended December 31, 2022			
	(in millions)			
	Americas	Europe	APMEA	Consolidated
Wholesale	\$ 790.6	\$ 314.8	\$ 82.5	\$ 1,187.9
OEM	104.3	181.7	7.9	293.9
Specialty	411.1	—	—	411.1
DIY	84.0	2.6	—	86.6
Total	\$ 1,390.0	\$ 499.1	\$ 90.4	\$ 1,979.5

Principal Product Category	For the year ended December 31, 2022			
	(in millions)			
	Americas	Europe	APMEA	Consolidated
Residential & Commercial Flow Control	\$ 792.3	\$ 171.1	\$ 71.4	\$ 1,034.8
HVAC and Gas Products	366.2	234.2	14.8	615.2
Drainage and Water Re-use Products	107.7	89.4	2.9	200.0
Water Quality Products	123.8	4.4	1.3	129.5
Total	\$ 1,390.0	\$ 499.1	\$ 90.4	\$ 1,979.5

Distribution Channel	For the year ended December 31, 2021			
	(in millions)			
	Americas	Europe	APMEA	Consolidated
Wholesale	\$ 694.4	\$ 332.9	\$ 78.8	\$ 1,106.1
OEM	96.5	181.5	5.5	283.5
Specialty	337.7	—	0.3	338.0
DIY	78.6	3.0	—	81.6
Total	<u>\$ 1,207.2</u>	<u>\$ 517.4</u>	<u>\$ 84.6</u>	<u>\$ 1,809.2</u>

Principal Product Category	For the year ended December 31, 2021			
	(in millions)			
	Americas	Europe	APMEA	Consolidated
Residential & Commercial Flow Control	\$ 697.4	\$ 188.0	\$ 67.6	\$ 953.0
HVAC and Gas Products	308.6	237.0	12.9	558.5
Drainage and Water Re-use Products	92.8	87.8	2.8	183.4
Water Quality Products	108.4	4.6	1.3	114.3
Total	<u>\$ 1,207.2</u>	<u>\$ 517.4</u>	<u>\$ 84.6</u>	<u>\$ 1,809.2</u>

The Company generally considers customer purchase orders, which in some cases are governed by master sales agreements, to represent the contract with a customer. The Company's contracts with customers are generally for products only and typically do not include other performance obligations such as professional services, extended warranties, or other material rights. In situations where sales are to a distributor, the Company has concluded that its contracts are with the distributor as the Company holds a contract bearing enforceable rights and obligations only with the distributor. As part of its consideration of the contract, the Company evaluates certain factors including the customer's ability to pay (or credit risk). For each contract, the Company considers the promise to transfer products, each of which is distinct, to be the identified performance obligation. In determining the transaction price, the Company evaluates whether the price is subject to refund or adjustment to determine the net consideration to which the Company expects to be entitled. As the Company's standard payment terms are less than one year, the Company has elected not to assess whether a contract has a significant financing component. The Company allocates the transaction price to each distinct product based on its relative standalone selling price. The product price as specified on the purchase order is considered the standalone selling price as it is an observable input which depicts the price as if sold to a similar customer in similar circumstances. Revenue is recognized when control of the product is transferred to the customer (i.e., when the Company's performance obligation is satisfied), which typically occurs at shipment from the Company's manufacturing site or distribution center, or delivery to the customer's named location. In determining whether control has transferred, the Company considers if there is a present right to payment, physical possession and legal title, along with risks and rewards of ownership having transferred to the customer. In certain circumstances, the Company manufactures customized products without alternative use for its customers. However, as these arrangements do not entitle the Company to a right to payment of cost plus a profit for work completed, the Company has concluded that control transfers at the point in time and not over time.

At times, the Company receives orders for products to be delivered over multiple dates that may extend across reporting periods. The Company invoices for each delivery upon shipment and recognizes revenue for each distinct product delivered, assuming transfer of control has occurred. As scheduled delivery dates are within one year, under the optional exemption as provided for under ASC 606 (*Revenue from Contracts with Customers*), revenues allocated to future shipments of partially completed contracts are not disclosed.

The Company generally provides an assurance warranty that its products will substantially conform to the published specification. The Company's liability is limited to either a credit equal to the purchase price or replacement of the defective part. Returns under warranty have historically been immaterial. The Company does not consider activities related to such warranty, if any, to be a separate performance obligation. For certain of its products, the Company will separately sell extended warranty and service policies to its customers. The Company considers the sale of these as separate performance obligations. These policies typically are for periods ranging from one to three years. Payments received are deferred and recognized over the policy period. For all periods presented, the revenue recognized and the revenue deferred under these policies is not material to the consolidated financial statements.

The timing of revenue recognition, billings and cash collections from the Company's contracts with customers can vary based on the payment terms and conditions in the customer contracts. In limited cases, customers will partially prepay for their goods. In addition, there are constraints which cause variability in the ultimate consideration to be recognized. These constraints typically include early payment discounts, volume rebates, rights of return, cooperative advertising, and market development funds. The Company includes these constraints in the estimated transaction price when there is a basis to reasonably estimate the amount of variable consideration. These estimates are based on historical experience, anticipated future performance and the Company's best judgment at the time. The Company did not recognize any material revenue from obligations satisfied in prior periods. When the timing of the Company's recognition of revenue is different from the timing of payments made by the customer, the Company recognizes a contract liability (customer payment precedes performance). For all periods presented, the recognized contract liabilities and the associated revenue deferred are not material to the consolidated financial statements.

The Company incurs costs to obtain and fulfill a contract; however, the Company has elected to recognize all incremental costs to obtain a contract as an expense when incurred if the amortization period is one year or less. The Company has elected to treat shipping and handling activities performed after the customer has obtained control of the related goods as a fulfillment cost and the related cost is accrued for in conjunction with the recording of revenue for the goods.

(5) Leases

The Company has a variety of categories of lease arrangements, including real estate, automobiles, manufacturing equipment, facility equipment, office equipment and certain service arrangements that are dependent on an identified asset. The Company's real estate leases, which consist primarily of manufacturing facilities, office space and warehouses, represent approximately 92% of the Company's operating lease liabilities and generally have a lease term between 2 and 15 years. The remaining leases primarily consist of automobiles, machinery and equipment used in the manufacturing processes (e.g., forklifts and pallets), general office equipment and certain service arrangements, each with various lease terms. The Company's automobile leases typically have terms ranging from 3 to 5 years. The Company's remaining population of leases have terms ranging from 2 to 15 years. Certain lease arrangements may contain renewal terms ranging from 1 to 5 years. The majority of the Company's real estate, automobile, and equipment leases consist of fixed and variable lease payments. For the Company's real estate leases, variable payments include those for common area maintenance, property taxes, and insurance. For automobile leases, variable payments primarily include maintenance, taxes, and insurance. For equipment leases, variable payments include maintenance and payments based on usage. The Company has elected to account for lease and non-lease components as a single component for all leases. Therefore, all fixed costs within a lease arrangement are included in the fixed lease payments for the single, combined lease component and used to measure the lease liability. Variable lease costs are recognized in the period when the event, activity, or circumstance in the lease agreement occurs.

Some of the Company's lease agreements include Company options to either extend and/or early terminate the lease, the costs of which are included in the Company's lease liability to the extent that such options are reasonably certain of being exercised. Renewal options are generally not included in the lease term for the Company's existing leases because the Company is not reasonably certain to exercise these renewal options. The Company does not generally enter into leases involving the construction or design of the underlying asset, and nearly all of the assets the Company leases are not specialized in nature. The Company's leases generally do not include termination options for either party to the lease or restrictive financial or other covenants. The Company's lease agreements generally do not include residual value guarantees.

Right-of-use asset amounts reported in the consolidated balance sheet by asset category as of December 31, 2022 and 2021 were as follows:

	December 31, 2022 (in millions)	December 31, 2021 (in millions)
Operating Leases (1)		
Real Estate	\$ 40.0	\$ 43.4
Automobile	2.4	2.2
Machinery and equipment	0.9	1.3
Total operating lease ROU Asset	\$ 43.3	\$ 46.9
Finance Leases (2)		
Real Estate	\$ —	\$ —
Automobile	0.1	0.1
Machinery and equipment	10.6	7.3
Less: Accumulated depreciation	(6.1)	(4.2)
Finance Leases, net	\$ 4.6	\$ 3.2

(1) Included on the Company's consolidated balance sheet in other assets (other, net).

(2) Included on the Company's consolidated balance sheet in property, plant and equipment.

The maturity of the Company's operating and finance lease liabilities as of December 31, 2022 was as follows:

	December 31, 2022	
	Operating Leases (in millions)	Finance Leases (in millions)
2023	\$ 10.4	\$ 3.0
2024	8.4	1.2
2025	7.3	0.4
2026	4.7	0.1
2027	4.3	—
Thereafter	19.7	—
Total undiscounted minimum lease payments	\$ 54.8	\$ 4.7
Less imputed interest	7.8	0.1
Total lease liabilities	\$ 47.0	\$ 4.6
Included in the consolidated balance sheet		
Current lease liabilities (included in accrued expenses and other liabilities)	8.9	3.2
Non-Current lease liabilities (included in other non-current liabilities)	38.1	1.4
Total lease liabilities	\$ 47.0	\$ 4.6

The total lease cost consisted of the following amounts:

	Year Ended December 31, 2022 (in millions)	Year Ended December 31, 2021 (in millions)
Operating lease cost	\$ 11.1	\$ 11.7
Amortization of finance lease right-of-use assets	2.2	1.5
Interest on finance lease liabilities	0.1	0.1
Short-term lease cost	0.4	0.1
Sublease (income)	(0.2)	(0.2)
Variable lease cost	3.2	2.8
Total lease cost	\$ 16.8	\$ 16.0

The following information represents supplemental disclosure for the statement of cash flows related to operating and finance leases:

	December 31, 2022 (in millions)	December 31, 2021 (in millions)
Operating cash flows from operating leases	\$ 11.1	\$ 11.3
Operating cash flows from finance leases	0.1	0.1
Financing cash flows from finance leases	2.4	1.4
Total cash paid for amounts included in the measurement of lease liabilities	13.6	12.8
Finance lease liabilities arising from obtaining right-of-use assets	3.6	0.4
Operating lease liabilities arising from obtaining right-of-use assets	6.8	4.9

The following summarizes additional information related to operating and finance leases:

	December 31, 2022	December 31, 2021
Weighted-average remaining lease term - finance leases	1.9 years	3.0 years
Weighted-average remaining lease term - operating leases	7.9 years	8.5 years
Weighted-average discount rate - finance leases	1.9 %	3.2 %
Weighted-average discount rate - operating leases	3.4 %	3.5 %

(6) Goodwill & Intangibles

Goodwill

The Company performs its annual goodwill impairment testing for each reporting unit as of fiscal October month-end or earlier if there is a triggering event or circumstance that indicates an impairment loss may have occurred. As of the October 23, 2022 testing date, the Company had \$581.2 million of goodwill on its balance sheet. In 2022, the Company had seven reporting units. One of these reporting units, Water Quality, had no goodwill. The Company performed a qualitative analysis for each of the six remaining reporting units, which include Blücher, US Drains, Fluid Solutions-Europe, Fluid Solutions-Americas, Heating and Hot Water Solutions (HHWS) and APMEA. As a result of the qualitative analyses, the Company determined that the fair values of the reporting units were more likely than not greater than the carrying amounts. In 2022 and 2021, the Company did not need to proceed beyond the qualitative analysis, and no goodwill impairments were recorded.

In the fourth quarter of 2021, the Company completed an acquisition within the Americas segment resulting in \$8.4 million of goodwill. The acquisition is not considered material to the Company's consolidated financial statements. The changes in the carrying amount of goodwill by geographic segment were as follows:

	Gross Balance			Accumulated Impairment Losses			Foreign Currency Translation	Net Goodwill
	Balance January 1, 2022	Acquired During the Period	Balance December 31, 2022	Balance January 1, 2022	Impairment Loss During the Period	Balance December 31, 2022	January 1, 2022 - December 31, 2022	December 31, 2022
	(in millions)							
Americas	\$ 490.9	\$ —	\$ 490.9	\$ (24.5)	\$ —	\$ (24.5)	\$ (0.6)	\$ 465.8
Europe	242.9	—	242.9	(129.7)	—	(129.7)	(6.2)	107.0
APMEA	34.0	—	34.0	(12.9)	—	(12.9)	(1.5)	19.6
Total	\$ 767.8	\$ —	\$ 767.8	\$ (167.1)	\$ —	\$ (167.1)	\$ (8.3)	\$ 592.4

	Gross Balance			Accumulated Impairment Losses			Foreign Currency Translation	Net Goodwill
	Balance January 1, 2021	Acquired During the Period	Balance December 31, 2021	Balance January 1, 2021	Impairment Loss During the Period	Balance December 31, 2021	January 1, 2021 - December 31, 2021	December 31, 2021
					(in millions)			
Americas	\$ 482.5	\$ 8.4	\$ 490.9	\$ (24.5)	\$ —	\$ (24.5)	\$ —	\$ 466.4
Europe	252.1	—	252.1	(129.7)	—	(129.7)	(9.2)	113.2
APMEA	34.9	—	34.9	(12.9)	—	(12.9)	(0.9)	21.1
Total	<u>\$ 769.5</u>	<u>\$ 8.4</u>	<u>\$ 777.9</u>	<u>\$ (167.1)</u>	<u>\$ —</u>	<u>\$ (167.1)</u>	<u>\$ (10.1)</u>	<u>\$ 600.7</u>

Long-Lived Assets

Indefinite-lived intangibles are tested for impairment at least annually or more frequently if events or circumstances, such as a change in business conditions, indicate that it is “more likely than not” that an intangible asset might be impaired. The Company performs its annual indefinite-lived intangibles impairment assessment in the fourth quarter of each year. In 2022 and 2021, the Company performed a qualitative assessment for all tradenames. Based on the results of the assessments, the Company did not recognize an impairment on any indefinite-lived intangibles in 2022 or 2021.

Intangible assets with estimable lives and other long-lived assets are reviewed for impairment at least quarterly or more frequently if events or changes in circumstances indicate that the carrying amount of an asset or asset group may not be recoverable. Recoverability of intangible assets with estimable lives and other long-lived assets is measured by a comparison of the carrying amount of an asset or asset group to future net undiscounted pre-tax cash flows expected to be generated by the asset or asset group. If these comparisons indicate that an asset is not recoverable, the impairment loss recognized is the amount by which the carrying amount of the asset or asset group exceeds the related estimated fair value. Estimated fair value is based on either discounted future pre-tax operating cash flows or appraised values, depending on the nature of the asset. The Company determines the discount rate for this analysis based on the weighted average cost of capital using the market and guideline public companies for the related businesses and does not allocate interest charges to the asset or asset group being measured. Judgment is required to estimate future operating cash flows. In 2022, the Company recognized a \$1.3 million impairment charge for an amortizable technology asset. In 2020, the Company recognized a \$1.0 million impairment charge for a long-lived asset and \$0.4 million impairment charge for an amortizable technology asset. All impairments were recognized within the Americas segment and due to changes in market expectations indicated the carrying amount of these assets were no longer recoverable. In 2021, there were no indications of the carrying amounts of intangible assets with estimable lives not being recoverable.

Intangible assets include the following:

	December 31, 2022			December 31, 2021		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
			(in millions)			
Patents	\$ 5.0	\$ (5.0)	\$ —	\$ 16.1	\$ (16.1)	\$ —
Customer relationships	175.1	(118.6)	56.5	237.5	(173.1)	64.4
Technology	53.2	(40.5)	12.7	58.6	(40.7)	17.9
Trade names	19.8	(10.8)	9.0	26.8	(16.9)	9.9
Other	1.1	(0.6)	0.5	4.3	(3.8)	0.5
Total amortizable intangibles	254.2	(175.5)	78.7	343.3	(250.6)	92.7
Indefinite-lived intangible assets	35.0	—	35.0	35.9	—	35.9
	<u>\$ 289.2</u>	<u>\$ (175.5)</u>	<u>\$ 113.7</u>	<u>\$ 379.2</u>	<u>\$ (250.6)</u>	<u>\$ 128.6</u>

Aggregate amortization expense for amortized intangible assets for 2022, 2021 and 2020 was \$12.1 million, \$13.7 million and \$15.2 million, respectively. Additionally, future amortization expense on amortizable intangible assets is expected to be \$12.2 million for 2023, \$12.0 million for 2024, \$10.5 million for 2025, \$9.6 million for 2026 and \$8.4 million for 2027. Amortization expense is provided on a straight-line basis over the estimated useful lives of the intangible assets. The weighted-average remaining life of total amortizable intangible assets is 7.9 years. Customer relationships, technology, trade names and other amortizable intangibles have weighted-average remaining lives of 8.0 years, 4.4 years, 11.3 years and 18.9 years, respectively. Indefinite-lived intangible assets include trade names and trademarks. In 2022, we removed fully amortized intangible assets from both gross carrying amount and accumulated amortization, with no effect to net carrying amount, in the amounts of \$11.1 million for patents, \$61.9 million for customer relationships, \$4.2 million for technology, \$6.8 million for trade names and \$3.2 million for other.

(7) Inventories, net

Inventories consist of the following:

	December 31,	
	2022	2021
	(in millions)	
Raw materials	\$ 138.0	\$ 119.4
Work-in-process	21.0	20.4
Finished goods	216.6	230.9
	<u>\$ 375.6</u>	<u>\$ 370.7</u>

Raw materials, work-in-process and finished goods are net of valuation reserves of \$43.6 million and \$36.7 million as of December 31, 2022 and 2021, respectively. Finished goods of \$18.2 million and \$10.6 million as of December 31, 2022 and 2021, respectively, were consigned.

(8) Property, Plant and Equipment

Property, plant and equipment consist of the following:

	December 31,	
	2022	2021
	(in millions)	
Land	\$ 11.1	\$ 12.6
Buildings and improvements	183.5	190.6
Machinery and equipment	387.4	394.5
Construction in progress	13.6	11.1
Property, plant and equipment, at cost	595.6	608.8
Accumulated depreciation	(398.8)	(408.1)
Property, plant, and equipment, net	<u>\$ 196.8</u>	<u>\$ 200.7</u>

(9) Income Taxes

The significant components of the Company's deferred income tax liabilities and assets are as follows:

	December 31,	
	2022	2021
	(in millions)	
Deferred income tax liabilities:		
Excess tax over book depreciation	\$ 21.3	\$ 21.5
Intangibles	26.3	29.0
Goodwill	26.6	25.1
Foreign earnings	0.6	2.2
Operating lease ROU assets	7.9	8.6
Other	5.7	3.2
Total deferred tax liabilities	88.4	89.6
Deferred income tax assets:		
Accrued expenses	9.6	10.7
Product liability	5.8	5.9
Operating lease liabilities	8.3	8.9
Stock based compensation	6.1	6.2
Foreign tax credits	13.6	13.8
Net operating loss carry forward	6.6	6.6
Capital loss carry forward	1.7	1.7
Inventory reserves	10.3	9.4
Intangibles	14.0	-
Capitalized R&D	14.7	-
Other	9.6	9.6
Total deferred tax assets	100.3	72.8
Less: valuation allowance	(20.3)	(20.2)
Net deferred tax assets	80.0	52.6
Net deferred tax liabilities	\$ (8.4)	\$ (37.0)

The provision for income taxes is based on the following pre-tax income:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Domestic	\$ 204.3	\$ 139.6	\$ 96.8
Foreign	103.3	94.5	70.2
	<u>\$ 307.6</u>	<u>\$ 234.1</u>	<u>\$ 167.0</u>

The provision for income taxes consists of the following:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Current tax expense:			
Federal	\$ 51.0	\$ 32.0	\$ 13.4
Foreign	23.2	30.3	25.3
State	11.5	14.4	6.9
	85.7	76.7	45.6
Deferred tax expense (benefit):			
Federal	(12.1)	(4.8)	14.8
Foreign	(13.7)	(2.4)	(6.7)
State	(3.8)	(1.1)	(1.0)
	(29.6)	(8.3)	7.1
Provision for income taxes	<u>\$ 56.1</u>	<u>\$ 68.4</u>	<u>\$ 52.7</u>

Actual income taxes reported are different than what would have been computed by applying the federal statutory tax rate to income before income taxes. The reasons for these differences are as follows:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Computed expected federal income expense	\$ 64.6	\$ 49.2	\$ 35.0
State income taxes, net of federal tax benefit	6.8	6.6	4.6
Foreign tax rate differential	3.5	4.3	2.7
Restructuring of manufacturing supply chain operations	(16.1)	29.3	—
Valuation allowance	0.4	(22.1)	12.9
GILTI HTE	—	—	(2.1)
Unrecognized tax benefits, net	(1.0)	2.0	(0.3)
Other, net	(2.1)	(0.9)	(0.1)
	<u>\$ 56.1</u>	<u>\$ 68.4</u>	<u>\$ 52.7</u>

In 2020, final tax regulations were released with respect to the GILTI (Global Intangible Low-Taxed Income) tax regime. These regulations permit an exclusion from GILTI for items of foreign income subject to a high effective tax rate, referred to as the GILTI High Tax Exclusion (HTE). Under the new regulations, the Company was allowed to review its GILTI income for the 2018 and 2019 tax years. The Company elected the exclusion for both the 2018 and 2019 tax years resulting in a total tax benefit of \$2.1 million which was recorded in 2020.

In 2021, the Company restructured its Mexican manufacturing supply chain operations, which resulted in \$29.3 million in additional tax expense, and was offset by a \$22.1 million release of the valuation allowance on foreign tax credits, for a net tax of \$7.2 million. The additional tax expense was primarily related to the prepayment of future royalties from the new structure, which resulted in current foreign source income. The foreign tax credit benefit significantly offset the additional tax expense resulting from the new supply chain structure. In 2022, to further align the new supply chain structure with developments, the Company modified the restructuring of its Mexican manufacturing supply chain operations which resulted in the recognition of a \$16.1 million deferred tax asset which will be amortized over 10 years.

At December 31, 2022, the Company had foreign and domestic net operating loss carry forwards of \$27.6 million and \$1.1 million, respectively, for income tax purposes before considering valuation allowances; \$23.2 million of the foreign losses can be carried forward indefinitely, \$4.4 million of the foreign losses expire in 2029, and \$0.3 million of the domestic losses expire between 2035 and 2040 and \$0.8 million of the domestic losses can be carried forward indefinitely. The net operating losses consist of \$23.2 million related to Austrian operations, \$4.4 million related to Switzerland operations and \$1.1 million related to United States operations.

At December 31, 2022, the Company had a U.S. capital loss carry forward of \$1.7 million before considering valuation allowances that will expire in 2025.

At December 31, 2022 and December 31, 2021, the Company had foreign tax credit carry forwards of \$13.6 million and \$13.8 million, respectively, for income tax purposes before considering valuation allowances. The foreign tax credit carryforwards expire between 2027 and 2031.

At December 31, 2022 and December 31, 2021, the Company had valuation allowances of \$20.3 million and \$20.2 million, respectively. At December 31, 2022, \$12.8 million related to foreign tax credits, \$5.8 million related to Austrian net operating losses, and \$1.7 million related to the domestic capital loss carry forward. At December 31, 2021, \$12.4 million related to foreign tax credits, \$6.1 million related to Austrian net operating losses, and \$1.7 million related to the domestic capital loss carry forward. Management believes that the ability of the Company to use such foreign tax credits and losses within the applicable carry forward period does not rise to the level of the more likely than not threshold. The Company does not have a valuation allowance on other deferred tax assets, as management believes that it is more likely than not that the Company will recover the net deferred tax assets. Management believes it is more likely than not that the future reversals of the deferred tax liabilities, together with forecasted income, will be sufficient to fully recover the deferred tax assets.

Subsequent to recording the Toll Tax as part of the Tax Cuts and Jobs Act of 2017, after December 2017, the Company considers all of its foreign earnings to be permanently reinvested outside of the U.S. and has no plans to repatriate these foreign earnings to the U.S.

Unrecognized Tax Benefits

As of December 31, 2022, the Company had gross unrecognized tax benefits of approximately \$7.2 million, approximately \$4.5 million of which, if recognized, would affect the effective tax rate. The difference between the amount of unrecognized tax benefits and the amount that would affect the effective tax rate consists of allowable correlative adjustments that are available for certain jurisdictions.

A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

	(in millions)
Balance at January 1, 2022	\$ 8.5
Increases related to prior year tax positions	1.9
Increases related to current year tax positions	0.2
Decreases due to lapse in statutes	(3.1)
Currency movement	(0.3)
Balance at December 31, 2022	<u>\$ 7.2</u>

The Company estimates that it is reasonably possible that the balance of unrecognized tax benefits as of December 31, 2022 may decrease by \$0.4 million to \$0.8 million in the next twelve months, as a result of lapses in statutes of limitations and settlements and \$0.2 million to \$0.4 million of which, if recognized, would affect the effective tax rate.

The Company conducts business in a variety of locations throughout the world resulting in tax filings in numerous domestic and foreign jurisdictions. The Company is subject to tax examinations regularly as part of the normal course of business. The Company's major jurisdictions are the U.S., France, Germany, Italy and Canada. The statute of limitations in the U.S. is subject to tax examination for 2019 and later; France, Germany, Italy and Canada are subject to tax examination for 2016 and later. All other jurisdictions, with few exceptions, are no longer subject to tax examinations in state, local or international jurisdictions for tax years before 2015.

The Company accounts for interest and penalties related to uncertain tax positions as a component of income tax expense.

(10) Accrued Expenses and Other Liabilities

Accrued expenses and other liabilities consist of the following:

	December 31,	
	2022	2021
	(in millions)	
Commissions and sales incentives payable	\$ 56.0	\$ 57.1
Product liability	22.4	22.2
Shipping / freight payable	6.4	16.9
Other	73.1	77.4
Income taxes payable	16.7	13.3
	<u>\$ 174.6</u>	<u>\$ 186.9</u>

(11) Financing Arrangements

The Company's debt consists of the following:

	December 31,	
	2022	2021
	(in millions)	
Line of Credit due March 2026	\$ 150.0	145.0
Less debt issuance costs (deduction from debt liability)	(2.4)	(3.1)
Total long-term debt	<u>\$ 147.6</u>	<u>\$ 141.9</u>

Principal payments during each of the next five years are due as follows (in millions): 2023: \$0; 2024: \$0; 2025: \$0; 2026: \$150.0; 2027: \$0.

On March 30, 2021, the Company entered into the Second Amended and Restated Credit Agreement with JPMorgan Chase Bank, N.A., as administrative agent (the Credit Agreement). The Credit Agreement amended the Company's borrowings under the Amended and Restated Credit Agreement entered into on April 24, 2020 (the "Prior Credit Agreement"), to extend the maturity date of the \$800 million senior unsecured revolving credit facility from February 12, 2022 to March 30, 2026 (the Revolving Credit Facility). Among other changes from the Prior Credit Agreement, the Credit Agreement increased the Company's maximum consolidated leverage ratio (including both the base ratio and the ratio permitted during temporary step-ups following certain acquisitions), adjusted certain fees to reflect market conditions and reduced the 1.00% floor on the adjusted London interbank offered rate (LIBOR) rate to 0.00%. On August 2, 2022, the Company entered into Amendment No. 1 to the Credit Agreement (as so amended, the Amended Credit Agreement) to replace LIBOR as a reference rate for borrowings with the term secured overnight financing rate (Term SOFR), and to provide for a fixed adjustment of 10 basis points added to Term SOFR (Term Benchmark) for all Term SOFR borrowings, subject to a 0.00% floor. The Company elected the optional expedient under Accounting Standards Update ("ASC") No. 2020-04, *Reference Rate Reform* (Topic 848), in connection with amending its credit agreement to replace the reference rate from LIBOR to Term Benchmark to consider the amendment as a continuation of the existing contract without having to perform an assessment that would otherwise be required under U.S. GAAP.

The Revolving Credit Facility also includes sublimits of \$100 million for letters of credit and \$15 million for swing line loans. As of December 31, 2022, the Company had drawn down \$150.0 million on this line of credit and had \$12.1 million in letters of credit outstanding, which resulted in \$637.9 million of unused and available credit under the Revolving Credit Facility. Borrowings outstanding under the Revolving Credit Facility bear interest at a fluctuating rate per annum equal to an applicable percentage defined as (i) in the case of Term Benchmark loans, the Term Benchmark rate plus an applicable percentage, ranging from 1.075% to 1.325%, determined by reference to our consolidated leverage ratio, or (ii) in the case of alternate base rate loans and swing line loans, interest (which at all times will not be less than 1.00%) at the greatest of (a) the Prime Rate in effect on such day, (b) the FRBNY Rate in effect on such day plus 0.50% and (c) the Term Benchmark rate plus 1.00% for a one month interest period. The weighted average interest rate on debt outstanding under the Revolving Credit Facility as of December 31, 2022 was 5.35%. The weighted average interest rate on debt outstanding inclusive of the interest rate swap discussed in Note 16 of the Notes to Consolidated Financial Statements and interest rates under the Revolving Credit Facility as of December 31, 2022 was 3.23%. In addition to paying interest under the Amended Credit Agreement, the Company is also required to pay certain fees in connection with the Revolving Credit Facility, including, but not limited to, an unused facility fee and letter of credit fees. The Amended Credit Agreement matures on March 30, 2026, subject to extension under certain circumstances and subject to the terms of the Amended Credit Agreement. The Company may repay loans outstanding under the Amended Credit Agreement from time to time without premium or penalty, other than customary breakage costs, if any, and subject to the terms of the Amended Credit Agreement. As of December 31, 2022, the Company was compliance with all covenants related to the Amended Credit Agreement.

The Amended Credit Agreement impose various restrictions on the Company and its subsidiaries, including restrictions pertaining to: (i) the incurrence of additional indebtedness, (ii) limitations on liens, (iii) making distributions, dividends and other payments, (iv) mergers, consolidations and acquisitions, (v) dispositions of assets, (vi) certain consolidated leverage ratios and consolidated interest coverage ratios, (vii) transactions with affiliates, (viii) changes to governing documents, and (ix) changes in control.

The Company maintains letters of credit that guarantee its performance or payment to third parties in accordance with specified terms and conditions. Amounts outstanding were \$12.1 million as of December 31, 2022 and \$14.0 million as of December 31, 2021. The Company's letters of credit are primarily associated with insurance coverage. The Company's letters of credit generally expire within one year of issuance. These instruments may exist or expire without being drawn down. Therefore, they do not necessarily represent future cash flow obligations.

(12) Earnings per Share and Stock Repurchase Program

The Class A common stock and Class B common stock have equal dividend and liquidation rights. Each share of the Company's Class A common stock is entitled to one vote on all matters submitted to stockholders and each share of Class B common stock is entitled to ten votes on all such matters. Shares of Class B common stock are convertible into shares of Class A common stock on a one-to-one basis at the option of the holder. As of December 31, 2022, the

Company had reserved a total of 1,998,439 shares of Class A common stock for issuance under its stock-based compensation plans and 5,958,290 shares for conversion of Class B common stock to Class A common stock.

Basic net income per common share is calculated by dividing net income by the weighted average number of common shares outstanding. The calculation of diluted net income per share assumes the conversion of all dilutive securities.

Net income and the number of shares used to compute net income per share, basic and assuming full dilution, are reconciled below:

	Year Ended December 31,								
	2022			2021			2020		
	Net	Per		Net	Per		Net	Per	
	Income	Share		Income	Share		Income	Share	
		Amount			Amount			Amount	
	(Amounts in millions, except per share information)								
Basic EPS	\$ 251.5	33.5	\$ 7.51	\$ 165.7	33.8	\$ 4.90	\$ 114.3	33.9	\$ 3.37
Dilutive securities, principally common stock options	—	0.1	(0.03)	—	0.1	(0.02)	—	0.1	(0.01)
Diluted EPS	<u>\$ 251.5</u>	<u>33.6</u>	<u>\$ 7.48</u>	<u>\$ 165.7</u>	<u>33.9</u>	<u>\$ 4.88</u>	<u>\$ 114.3</u>	<u>34.0</u>	<u>\$ 3.36</u>

On February 6, 2019, the Company's Board of Directors authorized the repurchase of up to \$150 million of the Company's Class A common stock, to be purchased from time to time on the open market or in privately negotiated transactions. For the stock repurchase program, the Company enters into Rule 10b5-1 plans, which permit shares to be repurchased when the Company might otherwise be precluded from doing so under insider trading laws. The repurchase program may be suspended or discontinued at any time, subject to the terms of the Rule 10b5-1 plans the Company entered into with respect to the repurchase program. As of December 31, 2022, there was approximately \$28.0 million remaining authorized for share repurchases under the \$150 million program.

For the years ended December 31, 2022 2021 and 2020, the Company repurchased 493,733 shares for \$69.4 million, 109,998 shares for \$16.0 million and 331,531 shares for \$28.9 million, respectively.

(13) Stock-Based Compensation

As of December 31, 2022, the Company maintains one stock incentive plan, the Third Amended and Restated 2004 Stock Incentive Plan (the 2004 Stock Incentive Plan). At December 31, 2022, 955,686 shares of Class A common stock were authorized for future grants of new equity awards under this plan. The Company currently grants shares of deferred stock awards to key employees and stock awards to non-employee members of the Company's Board of Directors under the 2004 Stock Incentive Plan. The Company also previously granted shares of restricted stock to key employees. Stock awards to non-employee members of the Company's Board of Directors vest immediately. Employees' restricted stock awards and deferred stock awards typically vest over a three-year period at the rate of one-third per year. The restricted stock awards are outstanding upon grant whereas the deferred stock awards are outstanding upon vesting. The restricted stock awards and deferred stock awards are amortized to expense on a straight-line basis over the vesting period.

The Company also grants performance stock units to key employees under the 2004 Stock Incentive Plan. Performance stock units cliff vest at the end of a performance period set by the Compensation Committee of the Board of Directors at the time of grant, which is currently three years. Upon vesting, the number of shares of the Company's Class A common stock awarded to each performance stock unit recipient will be determined based on the Company's performance relative to certain performance goals set at the time the performance stock units were granted. The recipient of a performance stock unit award may earn from zero shares to twice the number of target shares awarded to such recipient. The performance stock units are amortized to expense over the vesting period, and based on the Company's performance relative to the performance goals, may be adjusted. Changes to the estimated shares expected to vest will result in adjustments to the related share-based compensation expense that will be recorded in the period of change. If the performance goals are not met, no awards are earned and previously recognized compensation expense is reversed. The Company granted performance stock units in 2022, 2021 and 2020. The performance goals for the performance stock units are based on the compound annual growth rate of the Company's revenue over the three-year performance period and the Company's return on invested capital (ROIC) for the third year of the performance period.

Beginning in 2019, the Company included “retirement vesting” provisions in the agreements for its deferred stock awards and performance stock units. These provisions provide that an employee who retires from the Company after attaining age 55 and 10 years of service and who meets certain other requirements, including non-competition and non-solicitation requirements, would be allowed to continue to vest in his or her deferred stock awards for the duration of the vesting periods and would be entitled to receive a pro rata portion of his or her performance stock units based on the period of service elapsed during the performance period. Beginning in 2022, a provision was added that requires the employee remain employed through the last working day of the grant year in addition to the other provisions.

In 2015, the Company stopped granting stock options as part of its annual equity awards to employees. Previously under the 2004 Stock Incentive Plan, key employees were granted nonqualified stock options to purchase the Company’s Class A common stock. Minimal options remain outstanding, all of which are vested and expire ten years from the date of grant. Options granted under the plan may have exercise prices of not less than 100% of the fair market value of the Class A common stock on the date of grant. The Company’s practice was to grant all options at fair market value on the grant date. Upon exercise of options, the Company issues shares of Class A common stock.

The Company also has a Management Stock Purchase Plan that allows for the granting of restricted stock units (RSUs) to key employees. On an annual basis, key employees may elect to receive a portion of their annual incentive compensation in RSUs instead of cash. Participating employees may use up to 50% of their annual incentive bonus to purchase RSUs for a purchase price equal to 80% of the fair market value of the Company’s Class A common stock as of the date of grant. RSUs vest either annually over a three-year period from the grant date or upon the third anniversary of the grant date. Receipt of the shares underlying RSUs is deferred for a minimum of three years, or such greater number of years as is chosen by the employee, from the date of grant. An aggregate of 2,000,000 shares of Class A common stock may be issued under the Management Stock Purchase Plan. At December 31, 2022, 705,188 shares of Class A common stock were authorized for future grants under the Company’s Management Stock Purchase Plan.

2004 Stock Incentive Plan

The following is a summary of unvested restricted stock and deferred stock awards activity and related information:

	Year Ended December 31,					
	2022		2021		2020	
	Shares	Weighted Average Grant Date Fair Value	Shares	Weighted Average Grant Date Fair Value	Shares	Weighted Average Grant Date Fair Value
				(Shares in thousands)		
Unvested at beginning of year	138	\$ 97.43	166	\$ 77.97	196	\$ 76.56
Granted	64	143.86	61	128.32	92	75.77
Vested	(78)	94.33	(84)	81.70	(100)	74.84
Cancelled/Forfeitures	(3)	120.31	(5)	93.98	(22)	75.73
Unvested at end of year	<u>121</u>	<u>\$ 121.39</u>	<u>138</u>	<u>\$ 97.43</u>	<u>166</u>	<u>\$ 77.97</u>

The total fair value of shares vested during 2022, 2021 and 2020 was \$11.1 million, \$10.5 million and \$8.1 million, respectively. At December 31, 2022, total unrecognized compensation cost related to unvested restricted stock and deferred stock awards was approximately \$7.5 million with a total weighted average remaining term of 1.22 years. For 2022, 2021 and 2020, the Company recognized compensation costs of \$7.7 million, \$7.6 million and \$7.7 million, respectively.

The aggregate intrinsic value of restricted stock and deferred shares granted and outstanding approximated \$17.6 million representing the total pre-tax intrinsic value based on the Company’s closing Class A common stock price of \$146.23 as of December 31, 2022.

The following is a summary of unvested performance stock award activity and related information:

	Year Ended December 31,					
	2022		2021		2020	
	Weighted Average Grant Date		Weighted Average Grant Date		Weighted Average Grant Date	
	Shares	Fair Value	Shares	Fair Value	Shares	Fair Value
	(Shares in thousands)					
Unvested at beginning of year	178	\$ 88.32	208	\$ 78.06	238	\$ 73.84
Granted	108	102.98	61	113.37	94	70.65
Vested	(136)	78.82	(85)	81.50	(97)	60.45
Cancelled/Forfeitures	(4)	110.43	(6)	83.53	(27)	78.59
Unvested at end of year	146	\$ 107.29	178	\$ 88.32	208	\$ 78.06

The granted and vested shares activity include any adjustments required based on performance goal attainment on vesting. The total fair value of shares vested during 2022, 2021 and 2020 was \$20.4 million, \$10.8 million and \$10.0 million, respectively. At December 31, 2022, total unrecognized compensation cost related to unvested performance stock awards was approximately \$9.8 million with a total weighted average remaining term of 1.47 years. For 2022, 2021 and 2020, the Company recognized compensation costs of \$9.8 million, \$14.6 million and \$4.3 million, respectively.

The aggregate intrinsic value of performance shares granted and outstanding approximated \$21.3 million representing the total pre-tax intrinsic value based on the Company's closing Class A common stock price of \$146.23 as of December 31, 2022.

The following is a summary of stock option activity and related information:

	Year Ended December 31,							
	2022			2021			2020	
	Options	Weighted	Weighted	Options	Weighted	Weighted	Options	Weighted
		Average	Average		Average	Average		
		Exercise	Intrinsic		Exercise	Intrinsic		
Price	Value	Price	Value	Price				
(Options in thousands)								
Outstanding at beginning of year	4	\$ 52.92		5	\$ 52.40		10	\$ 53.65
Cancelled/Forfeitures	—	—		—	—		—	—
Exercised	(3)	51.36		(1)	51.04		(5)	55.03
Outstanding at end of year	1	\$ 57.47	\$ 88.76	4	\$ 52.92	\$ 141.25	5	\$ 52.40
Exercisable at end of year	1	\$ 57.47	\$ 88.76	4	\$ 52.92	\$ 141.25	5	\$ 52.40

For 2022, 2021 and 2020, the Company did not recognize any compensation costs for options. As of December 31, 2022, there was no unrecognized compensation cost related to unvested options. As of December 31, 2022, the aggregate intrinsic value of exercisable options was approximately \$0.1 million, representing the total pre-tax intrinsic value, based on the Company's closing Class A common stock price of \$146.23 as of December 31, 2022, which would have been received by the option holders had all option holders exercised their options as of that date. The total intrinsic value of options exercised for 2022, 2021 and 2020 was approximately \$0.3 million, \$0.2 million and \$0.3 million, respectively.

The following table summarizes information about options outstanding at December 31, 2022:

Range of Exercise Prices	Options Outstanding			Options Exercisable	
	Number Outstanding	Weighted Average Remaining Contractual	Weighted Average Exercise	Number Exercisable	Weighted Average Exercise
		Life (years)	Price		Price
	(Options in thousands)				
\$57.47–\$57.47	1	0.86	\$ 57.47	1	\$ 57.47

Management Stock Purchase Plan

Total unrecognized compensation cost related to unvested RSUs was approximately \$1.4 million at December 31, 2022 with a total weighted average remaining term of 1.58 years. The Company recognized compensation cost of \$0.9 million for 2022, \$0.7 million for 2021, and \$0.7 million in 2020. Dividends declared for RSUs that are paid to individuals but remain unpaid and accrued at December 31, 2022 totaled approximately \$0.1 million.

A summary of the Company's RSU activity and related information is shown in the following table:

	Year Ended December 31,						
	2022			2021		2020	
	Weighted Average Purchase Price	Weighted Average Intrinsic Value		Weighted Average Purchase Price		Weighted Average Purchase Price	
	RSUs			RSUs		RSUs	
	(RSUs in thousands)						
Outstanding at beginning of year	85	\$ 75.34		95	\$ 64.54	110	
Granted	29	115.14		25	97.98	28	
Settled	(35)	64.15		(34)	61.38	(40)	
Cancelled/Forfeitures	(2)	92.09		(1)	77.03	(3)	
Outstanding at end of year	77	\$ 94.78	\$ 51.45	85	\$ 75.34	95	
Vested at end of year	24	\$ 77.69	\$ 68.54	31	\$ 65.29	32	

As of December 31, 2022, the aggregate intrinsic values of outstanding and vested RSUs were approximately \$4.0 million and \$1.6 million, respectively, representing the total pre-tax intrinsic value, based on the Company's closing Class A common stock price of \$146.23 as of December 31, 2022, which would have been received by the RSUs holders had all RSUs settled as of that date. The total intrinsic value of RSUs settled for 2022, 2021 and 2020 was approximately \$2.7 million, \$2.1 million and \$2.3 million, respectively. Upon settlement of RSUs, the Company issues shares of Class A common stock.

The following table summarizes information about RSUs outstanding at December 31, 2022:

Range of Purchase Prices	RSUs Outstanding		RSUs Vested	
	Number Outstanding	Weighted Average Purchase Price	Number Vested	Weighted Average Purchase Price
	(RSUs in thousands)			
\$49.92-\$63.77	1	\$ 63.77	1	\$ 63.77
\$69.76-\$97.28	47	83.19	23	78.30
\$97.29-\$115.14	29	115.14	—	—
	77	\$ 94.78	24	\$ 77.69

The fair value of each share issued under the Management Stock Purchase Plan is estimated on the date of grant, using the Black-Scholes-Merton Model, based on the following weighted average assumptions:

	2022	2021
Expected life (years)	3.0	3.0
Expected stock price volatility	33.7 %	32.7 %
Expected dividend yield	0.80 %	0.75 %
Risk-free interest rate	2.0 %	0.3 %

The risk-free interest rate is based upon the U.S. Treasury yield curve at the time of grant for the respective expected life of the RSUs. The expected life (estimated period of time outstanding) of RSUs and volatility were calculated using historical data. The expected dividend yield of stock is the Company's best estimate of the expected future dividend yield.

The above assumptions were used to determine the weighted average grant-date fair value of RSUs granted of \$47.26, \$37.49 and \$22.36 during 2022, 2021 and 2020, respectively.

At December 31, 2022, the Company had total unrecognized compensation costs related to unvested stock-based compensation arrangements of approximately \$18.7 million and a total weighted average remaining term of 1.38 years. For 2022, 2021 and 2020, the Company recognized compensation costs related to stock-based programs of \$18.4 million, \$22.9 million, and \$12.7 million, respectively. For 2022, 2021 and 2020, stock compensation expense of \$1.3 million, \$1.4 million and \$0.9 million, respectively, was recorded in cost of goods sold and \$17.1 million, \$21.5 million and \$11.8 million, respectively, was recorded in selling, general and administrative expenses. For 2022, 2021 and 2020, the Company recorded \$2.8 million, \$3.7 million and \$2.1 million, respectively, of tax benefit for its other stock-based plans. For 2022, 2021 and 2020, the recognition of total stock-based compensation expense impacted both basic and diluted net income per common share by \$0.43, \$0.53 and \$0.30, respectively.

(14) Employee Benefit Plans

The Company's domestic employees are eligible to participate in the Company's 401(k) savings plan. Since January 1, 2012, the Company has provided a base contribution of 2% of an employee's salary, regardless of whether the employee participates in the plan. Further, the Company matches the contribution of up to 100% of the first 4% of an employee's contribution. The Company's match contributions for the years ended December 31, 2022, 2021 and 2020, were \$7.6 million, \$6.6 million and \$6.7 million, respectively. Charges for Europe pension plans approximated \$4.3 million, \$4.6 million and \$3.4 million for the years ended December 31, 2022, 2021 and 2020, respectively. These costs relate to plans administered by certain European subsidiaries, with benefits calculated according to government requirements and paid out to employees upon retirement or change of employment.

(15) Contingencies and Environmental Remediation

Accrual and Disclosure Policy

The Company is a defendant in numerous legal matters arising from its ordinary course of operations, including those involving product liability, environmental matters, and commercial disputes.

The Company reviews its lawsuits and other legal proceedings on an ongoing basis and follows appropriate accounting guidance when making accrual and disclosure decisions. The Company establishes accruals for matters when the Company assesses that it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated. The Company does not establish accruals for such matters when the Company does not believe both that it is probable that a loss has been incurred and that the amount of the loss can be reasonably estimated. The Company's assessment of whether a loss is probable is based on its assessment of the ultimate outcome of the matter following all appeals.

Under the FASB-issued ASC 450 "Contingencies", an event is "reasonably possible" if "the chance of the future event or events occurring is more than remote but less than likely" and an event is "remote" if "the chance of the future event or events occurring is slight". Thus, references to the upper end of the range of reasonably possible loss for cases in which the Company is able to estimate a range of reasonably possible loss mean the upper end of the range of loss for cases for which the Company believes the risk of loss is more than slight.

There may continue to be exposure to loss in excess of any amount accrued. When it is possible to estimate the reasonably possible loss or range of loss above the amount accrued for the matters disclosed, that estimate is aggregated and disclosed. The Company records legal costs associated with its legal contingencies as incurred, except for legal costs associated with product liability claims which are included in the actuarial estimates used in determining the product liability accrual.

As of December 31, 2022, the Company estimates that the aggregate amount of reasonably possible loss in excess of the amount accrued for its legal contingencies is approximately \$3.4 million pre-tax. With respect to the estimate of reasonably possible loss, management has estimated the upper end of the range of reasonably possible loss based on (i) the amount of money damages claimed, where applicable, (ii) the allegations and factual development to date, (iii) available defenses based on the allegations, and/or (iv) other potentially liable parties. This estimate is based upon currently available information and is subject to significant judgment and a variety of assumptions and known and unknown uncertainties. The matters underlying the estimate will change from time to time, and actual results may vary significantly from the current estimate. In the event of an unfavorable outcome in one or more of the matters, the ultimate liability may be in excess of amounts currently accrued, if any, and may be material to the Company's operating

results or cash flows for a particular quarterly or annual period, depending in part upon the operating results of such period. However, based on information currently known to it, management believes that the ultimate outcome of all matters, as they are resolved over time, is not likely to have a material adverse effect on the financial condition of the Company.

Product Liability

The Company is subject to a variety of potential liabilities in connection with product liability cases. For our most significant volume of liability matters, the Company maintains a high self-insured retention limit within its product liability and general liability coverage, which the Company believes to be generally in accordance with industry practices. For product liability cases in the U.S., management establishes its product liability accrual, which includes estimated legal costs associated with accrued claims. For its most significant volume of liability matters, the Company utilizes third-party actuarial valuations which incorporate historical trend factors, including, but not limited to, claim frequency and loss severity, and the Company's specific claims experience derived from loss reports provided by third-party claims administrators. The product liability accrual is established after considering any applicable insurance coverage. The product liability accrual represents the estimated ultimate losses for all reported and incurred but not reported claims. Changes in the nature of product liability claims or the actual settlement amounts could affect the adequacy of the estimates and require changes to the provisions. Because the liability is an estimate, the ultimate liability may be more or less than reported.

Environmental Remediation

The Company has been named as a potentially responsible party with respect to a limited number of identified contaminated sites. The levels of contamination vary significantly from site to site as do the related levels of remediation efforts. Environmental liabilities are recorded based on the most probable cost, if known, or on the estimated minimum cost of remediation. Accruals are not discounted to their present value, unless the amount and timing of expenditures are fixed and reliably determinable. The Company accrues estimated environmental liabilities based on assumptions, which are subject to a number of factors and uncertainties. Circumstances that can affect the reliability and precision of these estimates include identification of additional sites, environmental regulations, level of clean-up required, technologies available, number and financial condition of other contributors to remediation and the time period over which remediation may occur. The Company recognizes changes in estimates as new remediation requirements are defined or as new information becomes available.

Chemetco, Inc. Superfund Site, Hartford, Illinois

In August 2017, Watts Regulator Co. (a wholly-owned subsidiary of the Company) received a "Notice of Environmental Liability" from the Chemetco Site Group ("Group") alleging that it is a potentially responsible party for the Chemetco, Inc. Superfund Site in Hartford, Illinois (the "Site") because it arranged for the disposal or treatment of hazardous substances that were contained in materials sent to the Site and that resulted in the release or threat of release of hazardous substances at the Site. The letter offered Watts Regulator Co. the opportunity to join the Group and participate in the Remedial Investigation and Feasibility Study ("RI/FS") for a portion of the Site. Watts Regulator Co. joined the Group in September 2017 and was added in March 2018 as a signatory to the Administrative Settlement Agreement and Order on Consent with the United States Environmental Protection Agency ("USEPA") and the Illinois Environmental Protection Agency ("IEPA") governing completion of the RI/FS. The Remedial Investigation ("RI") report has been completed for the first portion of the site. For that same portion of the site, the draft Feasibility Study ("FS") report was submitted to USEPA and IEPA for review and comment in September 2021. USEPA and IEPA, respectively, have now issued comments on the draft FS, with additional EPA comments to follow. There is not yet a date for submission of a revised draft responding to those comments. Comments and final approval from the EPA are required to complete the FS process. Based on information currently known to it, management believes that Watts Regulator Co.'s share of the costs of the RI/FS is not likely to have a material adverse effect on the financial condition of the Company, or have a material adverse effect on the Company's operating results for any particular period. The Company is unable to estimate a range of reasonably possible loss for the above matter in which damages have not been specified because: (i) the FS process for the first portion of the Site has not been completed, and the RI/FS process for the remainder of the Site has not yet been initiated, to determine what remediation plans will be implemented and the costs of such plans; (ii) the total amount of material sent to the Site, and the total number of potentially responsible parties who may or may not agree to fund or perform any remediation, have not been determined; (iii) the share contribution for potentially responsible parties to any

remediation has not been determined; and (iv) the number of years required to implement a remediation plan acceptable to USEPA and IEPA is uncertain.

Asbestos Litigation

The Company is defending approximately 550 lawsuits in different jurisdictions, alleging injury or death as a result of exposure to asbestos. The complaints in these cases typically name a large number of defendants and do not identify any particular Company products as a source of asbestos exposure. To date, discovery has failed to yield evidence of substantial exposure to any Company products and no judgments have been entered against the Company.

Other Litigation

Other lawsuits and proceedings or claims, arising from the ordinary course of operations, are also pending or threatened against the Company.

(16) Financial Instruments

Fair Value

The carrying amounts of cash and cash equivalents, trade receivables and trade payable approximate fair value because of the short maturity of these financial instruments. The fair value of the Company's variable rate debt under the New Revolving Credit Facility approximates its carrying value.

Financial Instruments

The Company measures certain financial assets and liabilities at fair value on a recurring basis, including deferred compensation plan assets and related liabilities, contingent consideration and derivatives. The fair values of these certain financial assets and liabilities were determined using the following inputs at December 31, 2022 and December 31, 2021:

	Fair Value Measurement at December 31, 2022 Using:			
	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
		(in millions)		
Assets				
Plan asset for deferred compensation(1)	\$ 1.9	\$ 1.9	\$ —	\$ —
Interest rate swap(2)	\$ 9.3	\$ —	\$ 9.3	\$ —
Designated foreign currency hedges(4)	\$ 0.2	\$ —	\$ 0.2	\$ —
Total assets	\$ 11.4	\$ 1.9	\$ 9.5	\$ —
Liabilities				
Plan liability for deferred compensation(3)	\$ 1.9	\$ 1.9	\$ —	\$ —
Contingent consideration(6)	\$ 2.5	\$ —	\$ —	\$ 2.5
Total liabilities	\$ 4.4	\$ 1.9	\$ —	\$ 2.5

Fair Value Measurements at December 31, 2021 Using:				
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
	Total			
(in millions)				
Assets				
Plan asset for deferred compensation(1)	\$ 2.6	\$ 2.6	\$ —	\$ —
Interest rate swap(1)	\$ 1.4	\$ —	\$ 1.4	\$ —
Total assets	\$ 4.0	\$ 2.6	\$ 1.4	\$ —
Liabilities				
Interest rate swap(5)	\$ 0.6	\$ —	\$ 0.6	\$ —
Plan liability for deferred compensation(3)	\$ 2.6	\$ 2.6	\$ —	\$ —
Contingent consideration(6)	\$ 6.3	\$ —	\$ —	\$ 6.3
Total liabilities	\$ 9.5	\$ 2.6	\$ 0.6	\$ 6.3

- (1) Included on the Company's consolidated balance sheet in other assets (other, net).
- (2) As of December 31, 2022, \$3.5 million classified in prepaid expenses and other current assets on the Company's consolidated balance sheet and \$5.8 million classified in other assets (other, net).
- (3) Included on the Company's consolidated balance sheet in accrued compensation and benefits.
- (4) Included on the Company's consolidated balance sheet in prepaid expenses and other current assets.
- (5) Included on the Company's consolidated balance sheet in accrued expenses and other liabilities.
- (6) As of December 31, 2022, contingent consideration of \$2.5 million related to an immaterial acquisition was classified in other noncurrent liabilities on the Company's consolidated balance sheet. As of December 31, 2021, contingent consideration of \$6.3 million related to two immaterial acquisitions, of which \$3.8 million was classified in accrued expenses and other liabilities and \$2.5 million was classified in other noncurrent liabilities on the Company's consolidated balance sheet.

In connection with the immaterial acquisition of Australian Valve Group Pty Ltd (AVG), completed during the third quarter of 2020, and Sentinel Hydrosolutions, LLC (Sentinel), completed during the fourth quarter of 2021, contingent liabilities of \$2.8 million and \$2.5 million, respectively, were recognized as the estimates of the acquisition date fair values of the contingent consideration. During the third quarter of 2022 and second quarter of 2021, the AVG contingent liability was reduced by \$0.7 million and increased by \$0.8 million, respectively, due to adjusted probability of achieving lower or higher performance metrics, and foreign exchange translations. The AVG contingent liability was settled in the fourth quarter of 2022 for \$2.5 million. These liabilities were classified as Level 3 under the fair value hierarchy as they were based on the probability of achievement of future performance metrics as of the respective dates of acquisition, which were not observable in the market. Failure to meet the performance metrics would reduce this liability to zero, while complete achievement would increase the liability to a maximum contingent consideration.

Cash equivalents consist of instruments with remaining maturities of three months or less at the date of purchase and consist primarily of money market funds, for which the carrying amount is a reasonable estimate of fair value.

The Company uses financial instruments from time to time to enhance its ability to manage risk, including foreign currency and commodity pricing exposures, which exist as part of its ongoing business operations. The use of derivatives exposes the Company to counterparty credit risk for nonperformance and to market risk related to changes in currency exchange rates and commodity prices. The Company manages its exposure to counterparty credit risk through diversification of counterparties. The Company's counterparties in derivative transactions are substantial commercial banks with significant experience using such derivative instruments. The impact of market risk on the fair value and cash flows of the Company's derivative instruments is monitored and the Company restricts the use of derivative financial instruments to hedging activities. The Company does not enter into contracts for trading purposes nor does the Company enter into any contracts for speculative purposes. The use of derivative instruments is approved by senior management under written guidelines.

Interest Rate Swaps

On March 30, 2021, the Company entered into the Credit Agreement which extended the maturity date of the \$800 million senior unsecured revolving credit facility from February 12, 2022 to March 30, 2026. On August 2, 2022, the Company entered into Amendment No. 1 to the Credit Agreement to replace the LIBOR as a reference rate for borrowings with Term SOFR and to provide for a fixed adjustment of 10 basis points added to Term SOFR for all Term SOFR borrowings, subject to a 0.00% floor. Borrowings outstanding under the Revolving Credit Facility bear interest at a fluctuating rate per annum as further detailed in Note 11.

In order to manage the Company's exposure to changes in cash flows attributable to fluctuations in interest payments related to the Company's floating rate debt, the Company entered into an interest rate swap on March 30, 2021. Under the interest rate swap agreement, the Company received the one-month USD-LIBOR subject to a 0.00% floor and paid a fixed rate of 1.02975% on a notional amount of \$100.0 million. On August 2, 2022, the Company amended the interest rate swap to replace LIBOR as a reference rate for borrowings with Term SOFR. Under the amended interest rate swap agreement, the Company receives the one-month Term SOFR subject to a -0.1% floor and pays a fixed rate of 0.942% on a notional amount of \$100.0 million. The swap matures on March 30, 2026. The Company elected the optional expedient in connection with amending its interest rate swap to replace the reference rate from LIBOR to Term SOFR to consider the amendment as a continuation of the existing contract without having to perform an assessment that would otherwise be required under U.S. GAAP. The Company formally documents the hedge relationships at hedge inception to ensure that its interest rate swaps qualify for hedge accounting. On a quarterly basis, the Company assesses whether the interest rate swap is highly effective in offsetting changes in the cash flow of the hedged item. The Company does not hold or issue interest rate swaps for trading purposes. The swaps are designated as cash flow hedges. For the years ended December 31, 2022 and 2021, a net gain of \$6.3 million and \$0.7 million, respectively, was recorded in Accumulated Other Comprehensive Loss to recognize the effective portion of the fair value of the interest rate swap that qualifies as a cash flow hedge.

Designated Foreign Currency Hedges

The Company's foreign subsidiaries transact most business, including certain intercompany transactions, in foreign currencies. Such transactions are principally purchases or sales of materials. The Company has exposure to a number of foreign currencies, including the Canadian dollar, the euro, and the Chinese yuan. The Company uses a layering methodology, whereby at the end of each quarter, the Company enters into forward exchange contracts hedging Canadian dollar to U.S. dollar, which hedge up to 85% of the forecasted intercompany purchase transactions between one of the Company's Canadian subsidiaries and the Company's U.S. operating subsidiaries for the next twelve months. The Company uses a similar layering methodology when entering into forward exchange contracts hedging U.S. dollar to the Chinese yuan, which hedge up to 60% of the forecasted intercompany sales transactions between one of the Company's Chinese subsidiaries and one of the Company's U.S. operating subsidiaries for the next twelve months. As of December 31, 2022, all designated foreign exchange hedge contracts were cash flow hedges under ASC 815, *Derivatives and Hedging*. The Company records the effective portion of the designated foreign currency hedge contracts in other comprehensive income until inventory turns and is sold to a third-party. Once the third-party transaction associated with the hedged forecasted transaction occurs, the effective portion of any related gain or loss on the designated foreign currency hedge is reclassified into earnings within cost of goods sold. In the event the notional amount of the derivatives exceeds the forecasted intercompany purchases for a given month, the excess hedge position will be attributed to the following month's forecasted purchases. However, if the following month's forecasted purchases cannot absorb the excess hedge position from the current month, the effective portion of the hedge recorded in other comprehensive income will be reclassified to earnings.

The notional amounts outstanding as of December 31, 2022 for the Canadian dollar to U.S. dollar contracts and the U.S. dollar to the Chinese yuan were \$8.8 million and \$0.9 million, respectively. The fair value of the Company's designated foreign hedge contracts outstanding as of December 31, 2022 was an asset of \$0.2 million. As of December 31, 2022, the amount expected to be reclassified into cost of goods sold from other comprehensive income in the next twelve months is a gain of \$0.2 million.

(17) Segment Information

The Company operates in three geographic segments: Americas, Europe, and APMEA. Each of these segments sells similar products and has separate financial results that are reviewed by the Company's chief operating decision-maker.

Each segment earns revenue and income almost exclusively from the sale of the Company's products. The Company sells its products into various end markets around the world with sales by region based upon location of the entity recording the sale. See Note 4 for further detail on sales by region of the product categories. All intercompany sales transactions have been eliminated. The accounting policies for each segment are the same as those described in Note 2 of the Notes to Consolidated Financial Statements.

The following is a summary of the Company's significant accounts and balances by segment, reconciled to its consolidated totals:

	Year Ended December 31,		
	2022	2021	2020
	(in millions)		
Net sales			
Americas	\$ 1,390.0	\$ 1,207.2	\$ 1,025.7
Europe	499.1	517.4	424.9
APMEA	90.4	84.6	58.0
Consolidated net sales	<u>\$ 1,979.5</u>	<u>\$ 1,809.2</u>	<u>\$ 1,508.6</u>
Operating income (loss)			
Americas	\$ 283.9	\$ 211.0	\$ 166.3
Europe	66.7	63.6	50.2
APMEA	14.0	14.4	3.5
Subtotal reportable segments	364.6	289.0	220.0
Corporate(*)	(49.6)	(49.4)	(38.9)
Consolidated operating income	315.0	239.6	181.1
Interest income	(0.6)	—	(0.2)
Interest expense	7.0	6.3	13.3
Other (income) expense, net	1.0	(0.8)	1.0
Income before income taxes	<u>\$ 307.6</u>	<u>\$ 234.1</u>	<u>\$ 167.0</u>
Capital expenditures			
Americas	\$ 16.2	\$ 17.6	\$ 31.2
Europe	11.2	8.5	11.4
APMEA	0.7	0.6	1.2
Consolidated capital expenditures	<u>\$ 28.1</u>	<u>\$ 26.7</u>	<u>\$ 43.8</u>
Depreciation and amortization			
Americas	\$ 27.4	\$ 29.8	\$ 29.7
Europe	10.3	12.6	14.3
APMEA	2.0	2.7	2.5
Consolidated depreciation and amortization	<u>\$ 39.7</u>	<u>\$ 45.1</u>	<u>\$ 46.5</u>
Identifiable assets (at end of period)			
Americas	\$ 1,222.8	\$ 1,133.5	\$ 1,075.1
Europe	583.5	584.8	537.2
APMEA	124.6	137.3	125.9
Consolidated identifiable assets	<u>\$ 1,930.9</u>	<u>\$ 1,855.6</u>	<u>\$ 1,738.2</u>
Property, plant and equipment, net (at end of period)			
Americas	\$ 124.1	\$ 121.3	\$ 122.9
Europe	68.4	74.5	83.8
APMEA	4.3	4.9	5.6
Consolidated property, plant and equipment, net	<u>\$ 196.8</u>	<u>\$ 200.7</u>	<u>\$ 212.3</u>

* Corporate expenses are primarily for administrative compensation expense, compliance costs, professional fees, including corporate-related legal and audit expenses, shareholder services and benefit administration costs.

The following includes U.S. net sales and U.S. property, plant and equipment of the Company's Americas segment:

	December 31,		
	2022	2021	2020
	(in millions)		
U.S. net sales	\$ 1,301.2	\$ 1,123.9	\$ 956.5
U.S. property, plant and equipment, net (at end of year)	\$ 119.0	\$ 116.2	\$ 118.9

The following includes intersegment sales for Americas, Europe and APMEA:

	December 31,		
	2022	2021	2020
	(in millions)		
Intersegment Sales			
Americas	\$ 11.1	\$ 9.3	\$ 8.7
Europe	24.7	29.1	18.9
APMEA	71.4	120.5	71.4
Intersegment sales	\$ 107.2	\$ 158.9	\$ 99.0

(18) Accumulated Other Comprehensive Loss

Accumulated other comprehensive loss consists of the following:

	Foreign Currency Translation	Cash Flow Hedges (1)	Accumulated Other Comprehensive Loss
		(in millions)	
Balance December 31, 2020	\$ (99.9)	\$ (0.1)	\$ (100.0)
Change in period	(28.0)	0.7	(27.3)
Balance December 31, 2021	\$ (127.9)	\$ 0.6	\$ (127.3)
Change in period	(29.1)	6.5	(22.6)
Balance December 31, 2022	\$ (157.0)	\$ 7.1	\$ (149.9)

(1) Cash flow hedges include interest rate swaps and designated foreign currency hedges. See Note 16 for further details.

(19) Subsequent Events

On February 6, 2023, the Company declared a quarterly dividend of thirty cents (\$0.30) per share on each outstanding share of Class A common stock and Class B common stock payable on March 15, 2023 to stockholders of record on March 1, 2023.

Watts Water Technologies, Inc. and Subsidiaries
Schedule II—Valuation and Qualifying Accounts
(Amounts in millions)

	Balance At Beginning of Period	Additions Charged To Expense	Foreign Exchange/Acquisitions Impact	Deductions	Balance At End of Period
Year Ended December 31, 2020					
Accounts Receivable Reserve Allowances	\$ 14.3	\$ 1.1	0.9	(5.2)	\$ 11.1
Reserve for excess and obsolete inventories	\$ 25.0	\$ 13.3	1.4	(6.3)	\$ 33.4
Year Ended December 31, 2021					
Accounts Receivable Reserve Allowances	\$ 11.1	\$ 3.4	(0.2)	(4.0)	\$ 10.3
Reserve for excess and obsolete inventories	\$ 33.4	\$ 8.7	(0.9)	(8.2)	\$ 33.0
Year Ended December 31, 2022					
Accounts Receivable Reserve Allowances	\$ 10.3	\$ 5.2	(0.3)	(4.5)	\$ 10.7
Reserve for excess and obsolete inventories	\$ 33.0	\$ 17.5	(0.9)	(10.1)	\$ 39.5

EXHIBIT INDEX

Exhibit No.	Description
3.1	Restated Certificate of Incorporation, as amended. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2019 (File No. 001- 11499).
3.2	Amended and Restated By-Laws. Incorporated by reference to the Registrant's Current Report on Form 8-K dated November 1, 2021 (File No. 001-11499).
4†	Description of the Registrant's Class A Common Stock.
9.1	The Amended and Restated George B. Horne Voting Trust Agreement—1997 dated as of September 14, 1999. Incorporated by reference to the Registrant's Annual Report on Form 10-K for year ended June 30, 1999 (File No. 001-11499).
10.1*	Supplemental Compensation Agreement effective as of September 1, 1996 between the Registrant and Timothy P. Horne. Incorporated by reference to the Registrant's Annual Report on Form 10-K for year ended June 30, 1996 (File No. 001-11499).
10.2*	Amendment No. 1, dated July 25, 2000, to Supplemental Compensation Agreement effective as of September 1, 1996 between the Registrant and Timothy P. Horne. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for quarter ended September 30, 2000 (File No. 001- 11499).
10.3*	Amendment No. 2, dated October 23, 2002, to Supplemental Compensation Agreement effective as of September 1, 1996 between the Registrant and Timothy P. Horne. Incorporated by reference to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2002 (File No. 001- 11499).
10.4*	Amendment No. 3, dated August 18, 2015, to Supplemental Compensation Agreement effective as of September 1, 1996 between the Registrant and Timothy P. Horne. Incorporated by reference to the Registrant's Current Report on Form 8-K dated August 18, 2015 (File No. 001- 11499).
10.5	Amended and Restated Stock Restriction Agreement dated October 30, 1991. Incorporated by reference to the Registrant's Current Report on Form 8-K dated November 14, 1991 (File No. 001-11499).
10.6	Amendment, dated August 26, 1997, to Amended and Restated Stock Restriction Agreement dated October 30, 1991. Incorporated by reference to the Registrant's Annual Report on Form 10-K for year ended June 30, 1997 (File No. 001-11499).
10.7	Registration Rights Agreement dated July 25, 1986. Incorporated by reference to the Registrant's Form S-1 (No. 33-6515) as part of the Second Amendment to such Form S-1 dated August 21, 1986.
10.8*†	Form of Indemnification Agreement between the Registrant and certain directors and officers of the Registrant.
10.9*	Watts Water Technologies, Inc. Executive Officer Incentive Bonus Plan. Incorporated by reference to the Registrant's Current Report on Form 8-K dated February 6, 2019 (File No. 001-11499).
10.10*	Non-Employee Director Compensation Arrangements. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 27, 2022 (File No. 001-11499).
10.11*	Watts Water Technologies, Inc. Management Stock Purchase Plan Amended and Restated as of November 1, 2021. Incorporated by reference to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2021 (File No. 001-11499).
10.12*	Watts Water Technologies, Inc. Third Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Current Report on Form 8-K dated May 11, 2022 (File No. 001-11499).
10.13*	Form of Restricted Stock Award Agreement for Employees under the Watts Water Technologies, Inc. Second Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended July 1, 2018 (File No. 001-11499).
10.14*	Form of Deferred Stock Award Agreement under the Watts Water Technologies, Inc. Third Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 26, 2022 (File No. 001-11499).

Exhibit No.	Description
10.15*	Form of 2020 Performance Stock Unit Award Agreement under the Watts Water Technologies, Inc. Second Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 29, 2020 (File No. 001-11499)
10.16*	Form of 2021 Performance Stock Unit Award Agreement under the Watts Water Technologies, Inc. Second Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 28, 2021 (File No. 001-11499)
10.17*	Form of 2022 Performance Stock Unit Award Agreement under the Watts Water Technologies, Inc. Second Amended and Restated 2004 Stock Incentive Plan. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 27, 2022 (File No. 001-11499)
10.18*†	Watts Water Technologies, Inc. Executive Severance Plan, as amended and restated as of February 8, 2018.
10.19	Second Amended and Restated Credit Agreement, dated as of March 30, 2021, by and among the Registrant, the Subsidiary Borrowers party thereto, the Lenders party thereto, JP Morgan Chase Bank, N.A., as Administrative Agent, Bank of America N.A., Keybank National Association, Wells Fargo Bank, National Association, and T.D. Bank, N.A., as Co-Syndication Agents, and PNC Bank, National Association, U.S. Bank National Association, HSBC Bank USA, National Association and HSBC Bank Canada, as Co-Documentation Agents. Incorporated by reference to the Registrant's Current Report on Form 8-K dated March 30, 2021 (File No. 001-11499).
10.20	Second Amended and Restated Guaranty, dated as of March 30, 2021, by the Registrant and the Subsidiaries of the Registrant set forth therein, in favor of JPMorgan Chase Bank N.A. and the other lenders referred to therein. Incorporated by reference to the Registrant's Current Report on Form 8-K dated March 30, 2021 (File No. 001-11499).
10.21	Amendment No. 1, dated August 2, 2022, to Second Amended and Restated Credit Agreement, dated March 30, 2021, by and among the Registrant, the Subsidiary Borrowers party thereto, the Lenders party thereto, JP Morgan Chase Bank, N.A., as Administrative Agent, Bank of America N.A., Keybank National Association, Wells Fargo Bank, National Association, and T.D. Bank, N.A., as Co-Syndication Agents, and PNC Bank, National Association, U.S. Bank National Association, HSBC Bank USA, National Association and HSBC Bank Canada, as Co-Documentation Agents. Incorporated by reference to the Registrant's Quarterly Report on Form 10-Q for the quarter ended September 25, 2022 (File No. 001-11499).
10.22	Transition and Retention Agreement dated as of March 23, 2022 between Watts Water Technologies, Inc. and Munish Nanda. Incorporated by reference to the Registrant's Current Report on Form 8-K dated March 23, 2022 (File No. 001-11499).
21†	Subsidiaries
23†	Consent of KPMG LLP, Independent Registered Public Accounting Firm
31.1†	Certification of Principal Executive Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended
31.2†	Certification of Principal Financial Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended
32.1††	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350
32.2††	Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350
101.INS†	Inline XBRL Instance Document.
101.SCH†	Inline XBRL Taxonomy Extension Schema Document.
101.CAL†	Inline XBRL Taxonomy Extension Calculation Linkbase Document.
101.DEF†	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB†	Inline XBRL Taxonomy Extension Label Linkbase Document.
101.PRE†	Inline XBRL Taxonomy Extension Presentation Linkbase Document.
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

* Management contract or compensatory plan or arrangement.

† Filed herewith.

†† Furnished herewith.

Attached as Exhibit 101 to this report are the following formatted in Inline XBRL (Extensible Business Reporting Language): (i) Consolidated Statements of Operations for the Years Ended December 31, 2022, 2021 and 2020, (ii) Consolidated Statements of Comprehensive Income for the Years Ended December 31, 2022, 2021 and 2020, (iii) Consolidated Balance Sheets at December 31, 2022 and December 31, 2021, (iv) Consolidated Statements of Stockholders' Equity for the Years Ended December 31, 2022, 2021 and 2020, (v) Consolidated Statements of Cash Flows for the Years Ended December 31, 2022, 2021 and 2020, and (vi) Notes to Consolidated Financial Statements.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) 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.

WATTS WATER TECHNOLOGIES, INC.

By: /s/ ROBERT J. PAGANO, JR.

Robert J. Pagano, Jr.
Chief Executive Officer and President

DATED: February 21, 2023

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ ROBERT J. PAGANO, JR.</u> Robert J. Pagano, Jr.	Chief Executive Officer, President, Chairperson of the Board and Director (Principal Executive Officer)	February 21, 2023
<u>/s/ SHASHANK PATEL</u> Shashank Patel	Chief Financial Officer (Principal Financial Officer)	February 21, 2023
<u>/s/ VIRGINIA A. HALLORAN</u> Virginia A. Halloran	Chief Accounting Officer (Principal Accounting Officer)	February 21, 2023
<u>/s/ CHRISTOPHER L. CONWAY</u> Christopher L. Conway	Director	February 14, 2023
<u>/s/ MICHAEL J. DUBOSE</u> Michael J. Dubose	Director	February 14, 2023
<u>/s/ DAVID A. DUNBAR</u> David A. Dunbar	Director	February 13, 2023
<u>/s/ LOUISE K. GOESER</u> Louise K. Goeser	Director	February 13, 2023
<u>/s/ W. CRAIG KISSEL</u> W. Craig Kissel	Lead Independent Director	February 13, 2023
<u>/s/ JOSEPH T. NOONAN</u> Joseph T. Noonan	Director	February 13, 2023
<u>/s/ MERILEE RAINES</u> Merilee Raines	Director	February 13, 2023
<u>/s/ JOSEPH W. REITMEIER</u> Joseph W. Reitmeier	Director	February 16, 2023

WATTS WATER TECHNOLOGIES, INC. AND SUBSIDIARIES
RECONCILIATION OF GAAP "AS REPORTED" TO THE "ADJUSTED" NON-GAAP
EXCLUDING THE EFFECT OF ADJUSTMENTS FOR SPECIAL ITEMS
(Amounts in millions, except per share information)
(Unaudited)

CONSOLIDATED RESULTS

	Year Ended				
	December 31, 2022	December 31, 2021	December 31, 2020	December 31, 2019	December 31, 2018
Net sales	\$ 1,979.5	\$ 1,809.2	\$ 1,508.6	\$ 1,600.5	\$ 1,564.9
Operating income - as reported	\$ 315.0	\$ 239.6	\$ 181.1	\$ 197.1	\$ 188.4
<i>Operating margin %</i>	<i>15.9%</i>	<i>13.2%</i>	<i>12.0%</i>	<i>12.3%</i>	<i>12.0%</i>
Adjustments for special items:					
Restructuring	10.6	19.3	9.9	4.3	3.4
Gain on sale of asset	(1.8)	-	-	-	-
Long-lived asset impairment charges	-	-	1.4	-	-
Loss on disposal	-	-	0.6	-	-
Professional Fees / transformation	-	-	-	3.1	-
Acquisition related costs	-	-	1.3	0.9	-
Footprint optimization	-	-	1.1	0.8	-
Earnout adjustment	-	-	(1.5)	-	-
Total adjustments for special items	<u>\$ 8.8</u>	<u>\$ 19.3</u>	<u>\$ 12.8</u>	<u>\$ 9.1</u>	<u>\$ 3.4</u>
Operating income - as adjusted	\$ 323.8	\$ 258.9	\$ 193.9	\$ 206.2	\$ 191.8
<i>Adjusted operating margin %</i>	<i>16.4%</i>	<i>14.3%</i>	<i>12.9%</i>	<i>12.9%</i>	<i>12.3%</i>
Net income - as reported	\$ 251.5	\$ 165.7	\$ 114.3	\$ 131.5	\$ 128.0
Adjustments for special items - tax effected:					
Restructuring	7.9	14.1	7.4	3.2	2.5
Gain on sale of asset	(1.4)	-	-	-	-
Long-lived asset impairment charges	-	-	1.0	-	-
Net gain on disposal	-	-	(0.7)	-	-
Professional Fees / transformation	-	-	-	3.1	-
Acquisition related costs	-	-	1.0	0.7	-
Footprint optimization	-	-	0.8	0.6	-
Earnout adjustment	-	-	(1.5)	-	-
Other tax items	(18.2)	7.2	9.7	-	1.5
The 2017 Tax Act	-	-	-	-	(3.7)
Total adjustments for special items - tax effected	<u>\$ (11.7)</u>	<u>\$ 21.3</u>	<u>\$ 17.7</u>	<u>\$ 7.6</u>	<u>\$ 0.3</u>
Net income - as adjusted	\$ 239.8	\$ 187.0	\$ 132.0	\$ 139.1	\$ 128.3
Diluted earnings per share - as reported	\$ 7.48	\$ 4.88	\$ 3.36	\$ 3.85	\$ 3.73
Adjustments for special items	(0.35)	0.64	0.52	0.22	0.01
Diluted earnings per share - as adjusted	<u>\$ 7.13</u>	<u>\$ 5.52</u>	<u>\$ 3.88</u>	<u>\$ 4.07</u>	<u>\$ 3.74</u>

Global Leadership Team



Robert J. Pagano, Jr.
Chief Executive Officer, President, and Chairperson of the Board of Directors



Monica Barry
Chief Human Resources Officer



James F. Dagley
President, Heating and Hot Water Solutions



Andre Dhawan
Chief Operating Officer



Kenneth R. Lepage
General Counsel, Chief Sustainability Officer, and Secretary



Elie A. Melhem
President, Asia-Pacific, the Middle East, and Africa



Shashank Patel
Chief Financial Officer



Ram Ramakrishnan
Executive Vice President, Strategy and Business Development

Board of Directors



Christopher L. Conway
Chairperson of the Compensation Committee



Michael J. DuBose
Director



David A. Dunbar
Director



Louise K. Goesser
Director



W. Craig Kissel
Lead Independent Director and Chairperson of the Governance and Sustainability Committee



Joseph T. Noonan
Director



Robert J. Pagano, Jr.
Chairperson of the Board of Directors



Merilee Raines
Chairperson of the Audit Committee



Joseph W. Reitmeier
Director

Corporate Information

Executive Offices 815 Chestnut Street North Andover, MA 01845-6098 Tel: (978) 688-1811

Registrar and Transfer Agent Broadridge Corporate Issuer Solutions, Inc.
P.O. Box 1342 Brentwood, NY 11717 Tel: (877) 830-4936

Auditors KPMG LLP Two Financial Center 60 South Street Boston, MA 02111

Stock Listing New York Stock Exchange Ticker Symbol: WTS

For more information on Watts Water Technologies, visit our investor website by scanning the QR code or visiting Watts.com/Investors



This Annual Report contains “forward-looking” statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements that relate to prospective events or developments are forward-looking statements. Also, words such as “intend,” “believe,” “anticipate,” “plan,” “expect,” and similar expressions identify forward-looking statements. We cannot assure investors that our assumptions and expectations will prove to have been correct. There are a number of factors that could cause our actual results to differ materially from those indicated or implied by forward-looking statements. These factors include, but are not limited to, those set forth in the section titled “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2022, included in this Annual Report. Except as required by law, we undertake no intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.



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