A NOTE FROM THE PRESIDENT

When you need it now – call F.W. Webb first! Our 90+ wholesale locations, extensive inventory and dedicated fleet of trucks extend our capabilities to every corner of the Northeast. Saving you time and money is our goal. We have considerable buying power and resources to meet your material needs at a competitive price. As a family-owned business that empowers its local managers, we pride ourselves in being able to operate nimbly and responsively on your behalf.

Jeff Pope, President
jsp@fwwebb.com

Maine Oil Company Replaces Decades Old Pump

Coldbrook Energy, an oil company, in Hampden, ME was in urgent need of a new vertical sump pump. The one they had was old, rusted and no longer working properly. The pump is a necessary part of their operations to separate oil and water and ensure that oil contaminants are not left in the water.

Since the pump had been built with the facility, Coldbrook Energy didn’t have important information needed to determine the right replacement pump. They called on the F.W. Webb Commercial & Industrial Pumps division for guidance. F.W. Webb Sales Engineer Tarad Nadeau, visited the site to take down dimensions, factor in flow calculations and sketch a solution. A quote was provided the next day and shortly thereafter a new pump from Gusher Pumps was installed.

“The new pump is faster and quieter than what we had before,” said Kevin Fish, Terminal Manager, Cold Brook Energy. “We’ve been working with F.W. Webb for a number of years. Whenever I call on them I know that I can rely on their expertise and quick turnaround.”

The F.W. Webb Commercial & Industrial Pumps division provides high-quality pumps and services to repair and refurbish high purity, commercial and industrial pumps.

For more information about the division see page 14.
In the News

F.W. Webb Division Profile: Alliance Environmental Group

In 2016, F.W. Webb made an unexpected move – the company acquired the Alliance Environmental Group (AEG). This was a surprise to many in the industry because it is not very common for a plumbing, heating, cooling and industrial supply distributor to have an in-house environmental group. However, with a broad range of projects spanning across 15 disciplines, the F.W. Webb leadership team saw that many customers could also benefit from environmental services.

Addressing Environmental Concerns

Today AEG has eight employees, as well as part-time contract employees. Each team member has an engineering and/or science degree, and brings unique expertise to the division. Leading the group is Felix Perriello, an environmental scientist with nearly 30 years of experience in the industry. He holds 50 U.S. and foreign-issued patents, multiple copyrights for statistical risk analysis and a handful of environmental certifications.

Anyone managing a facility, redeveloping a property or seeking federal or state regulatory compliance needs an environmental science group at some point or other. Common services that AEG provides include:

- Air emissions permitting to document air pollution activities
- Compliance audits
- Assessment and testing of hazardous materials, such as asbestos and lead
- Overseeing the assessment and cleanup of environmental contamination
- Waste management
- Chemical reporting for industries such as plastics, petrochemical and pharmaceutical

AEG and NRC

In 2017, AEG entered a strategic partnership with the National Response Corporation (NRC), a global leader in environmental, industrial and emergency response solutions. As part of the agreement, AEG and the NRC work together on emergency spill response services. AEG supervises the cleanup of hazardous materials, while the NRC transports and disposes of the waste.

"With the expertise and global reach of NRC, this partnership has allowed the Alliance Environmental Group to respond quickly and effectively to customers’ environmental emergencies and hazardous spills anywhere in the U.S.,” said Felix Perriello, AEG President, Principal Senior Scientist.
**In the News**

**F.W. Webb Division Profile: Alliance Environmental Group** (continued)

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**Legionella** can cause a pneumonia-like illness when small, airborne droplets of water containing the bacteria are inhaled.

For these projects, AEG offers customers guidance on the best and most cost-effective solution for their operations. “As a consulting agency, the Alliance Environmental Group does not push one particular brand or product that F.W. Webb is selling. We weigh the pros and cons of the different treatment technologies available and recommend the best solution for that facility,” Felix said.

Each month, Felix schedules about three **Legionella** presentations across the Northeast to educate professionals on the topic and highlight AEG’s experience in the area. He has presented to Facility Managers and Infectious Control Professionals at prestigious institutions across the Northeast.

“It’s dismaying to note how many salesmen are out there today selling ineffective technologies,” Felix said. “Healthcare facilities have an important job to take care of the sick. That’s why I’m so committed to educating them on equipment that will keep their facilities and the people in them safe.”

**Looking Ahead**

AEG looks forward to growing with F.W. Webb and reaching more customers across the Northeast. As part of their growth plan, last year they extended their geotechnical engineering capabilities with the addition of a new Vice President of Engineering, Tom Hevner. Tom is a Licensed Site Professional (LSP) and a Registered Professional Engineer in multiple states with over two decades of experience in the design, performance and management of multi-faceted engineering projects.

Learn more about Alliance Environmental Group on page 27.

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**Protecting a Pharma Company’s Daily Operations**

A large pharmaceutical company in New England was preparing for an expansion project and quickly needed to decide on a new technology for their high purity process. Following a RFP (request for proposal), they reached out to the F.W. Webb High Purity Process Components division for customized instrumentation that would serve as an important component of their day-to-day operations.

The High Purity division worked with Anderson Negele, a global instrumentation company, to design a customized solution consisting of pressure gauges and transmitters. Within four weeks, the teams designed and tested a seal housing system that sends an alert to indicate a failure in the primary diaphragm seal. In the event of a failure, potentially harmful bacteria can grow and contaminate the pharmaceuticals. The alert allows the facility’s Operations team to stop processing and assess the seal before any contamination can occur.

The customer appreciated that F.W. Webb acted as a liaison between the engineering firm and manufacturer and provided a working prototype that met their delivery requirements.

For more information about the High Purity Process division see page 29.
New Hire

The Water Works division has added a Gate Valve Specialist to the team. With more than 25 years of experience, Mike McCarthy has held manufacturing, operations and sales roles within the water and wastewater industry. Previously, Mike was Director of North American Operations for Blackhall Engineering LTD out of the UK and General Manager at American R/D, a valve division of McWane.

On the Move

With more than 15 years of experience in the industry, Ray Bessette has been appointed General Manager of F.W. Webb’s Waterbury and New Haven, CT locations. He first joined F.W. Webb in 2012 as a Showroom and Store Manager, and later moved into an Outside Sales position.

Pat Casey is the new General Manager of our Woburn, MA branch. He joined F.W. Webb more than 10 years ago through our Management Training Program and became the Operations Manager of Methuen in 2012. Pat received his Business Administration degree from UMass Dartmouth.

Testing for Failed Steam Traps

The Syracuse, NY F.W. Webb location impressed their customer, a waste management facility, with our steam expertise. Outside Sales Reps, Mark Yonnick and Rob Lax, conducted a steam trap survey for the facility’s boiler combustion air preheat coils. Steam traps are equipment used to remove condensate and non-condensable gases from a heat transfer system. They require regular maintenance to ensure that the steam traps are not reducing the heating system’s energy and cost efficiency by leaking steam or blocking flow.

After using temperature monitoring and ultrasonic techniques, the Syracuse team identified a number of failed traps. Rather than replacing the individual traps they recommended the site use steam manifold stations to save installation time and reduce installed costs. Understanding the benefits, the customer purchased four pre-fabricated manifold stations built with steam traps, PVF and Armstrong International products. Our Engineered Products Group, which is part of the F.W. Webb Process Controls division, fabricated the steam manifold stations and delivered a plug and play solution to the site for easy installation. The customer was so pleased with the end-result, the Engineered Products Group is working on additional manifold stations for the facility.

“F.W. Webb has the knowledge, robust resources and engineering capabilities to support our customer’s steam heating needs from beginning to end," said Daryl Schoellkopf, Energy Systems Sales Manager.

F.W. Webb offers a steam trap and steam energy program to help you lower your system’s inefficiencies. To learn more see page 23 or contact Daryl Schoellkopf at 800-452-1928.
MegaPress XL is an exciting extension of Viega’s revolutionary MegaPress line, available for 2½” to 4” diameter carbon steel pipe. Only MegaPress XL makes installation faster, provides more control at less cost and gives pipelayers the smart, reliable connection they need to stay ahead. Install it quickly with the MegaPress XL PressBooster tool, now in stock.

- Includes Viega Smart Connect® technology to help easily identify unpressed connections
- No fire watch or burn permits necessary
- Approved for more applications than any other carbon steel press fitting system

Contact your local F.W. Webb representative for more information.

“BEST-IN-CLASS METAL GASKET PRODUCT”

F R O S T & S U L L I V A N

2017 NORTH AMERICAN METAL GASKET PRODUCT LEADERSHIP AWARD

Contact your F.W. Webb representative for more information.
INDUSTRIAL HANDWASHING SOLUTIONS

For almost a century, Bradley washfountains have set the standard for industrial handwashing from heavy duty hand and arm washing to light duty touch-free handwashing in a variety of sizes and materials.

Products:
Multiple washfountain models, in various finishes, available to suit your industrial needs:
• Bradstone Classic
• Bradmate Stainless Steel
• Multi Front
• Multi Station
• Sentry Stainless Steel
• Stainless Steel Classic
• Terrazzo
• Terreon Classic
• Terreon Deep Bowl

Features and benefits:
• Sizes to accommodate 3-8 users
• Perfect for busy industrial shops
• Rugged design for heavy duty handwashing
• Various actuation options:
  • Reliable infrared, air metering valve, foot pedal/bar or touchtime control
  • Water flow rates designed to meet sustainability concerns 1.25 through 5 GPM (dependant on size)
• Easy to clean
• Vandal resistant
• Customized to meet specific environmental needs

For more information on these and a multitude of other washroom products, visit the Bradley website at:
www.bradleycorp.com/products

To schedule an on-site visit, please contact Dennis Ford at (603) 759-5809.
BATHROOM ON A BUDGET

Bathroom remodels can be time-consuming and costly, especially when it involves the shower valve. But not with the Speakman Universal Valve Trim. With the ability to retrofit to popular competitor valves - you’ll never need to change out the valves, go behind the wall, or even reroute plumbing. This allows you to save on labor, time and budget on your next project.

Ask about Universal Valve Trims or other Speakman products at your local F.W. Webb

SPEAKMAN

Complete the look with the Neo Collection or other available collections!

Speed-Rail® Aluminum Fittings

Aluminum Alloy 535
- Most corrosion resistant aluminum alloy available
- Fittings have high strength as cast
- Bright, attractive finish for different applications
- Compatible with steel, no galvanic corrosion

The Hollaender Set Screw
- Features proprietary internal/external knurl cup point
- Tremendous resistance to loosening due to vibration
- Full contact of point means greater pull out resistance and less rotational slip

Hollaender
Your Handrail Source.

Contact your local F.W. Webb representative for more information.
YORK® PREDATOR ULTRA HIGH EFFICIENCY ZT SERIES

York Ducted Systems is pleased to announce the launch of a new tier of Ultra-High Efficiency (UHE) Predator units, available from 6.5-12.5 tons, with efficiency levels reaching up to 21.2 IEER. These new units represent a significant increase over existing product and provide a better value in combined efficiency, flexibility and reliability against competitive ultra-high tier units. Product highlights include:

Features and benefits:
• Increased efficiency in the existing Predator cabinets and footprint
• MagnaDry dehumidification available as an option on the base unit
• 3 stages of cooling = meets all requirements of ASHRAE 90.1-2013 & IECC 2015
• Meets or exceeds CEE Advanced Tier efficiency level requirements
• Two independent refrigerant circuits = system redundancy and reliability for customer peace of mind
• Smart Equipment Controls = ease of commissioning, integration and service
• ECM condenser fan motors for reduced energy usage and increased efficiency
• New sine wave coil fin geometry for increased efficiency

For more information, contact your local F.W. Webb location.

SOLER & PALAU EXHAUST FANS AND ACCESSORIES

Soler & Palau (S&P) Ventilation Group, a leading fan manufacturer with over 60 years of experience within the industry, offers a range of high-quality and innovative commercial exhaust fans and accessories supported by unparalleled engineering. From the Belt Drive Utility Vent Set to the Direct Drive Sidewall Propeller Exhaust/Supply Fans, S&P products reduce the cost of installation and deliver years of dependable service with minimal maintenance for a wide variety of buildings and enclosed areas within buildings.

CM
Belt drive utility vent set

SDBD
Direct drive centrifugal downblast roof exhaust fans

SDB
Belt drive centrifugal downblast roof exhaust fans

GED
Direct drive sidewall propeller exhaust/supply fans

EAS
Wall shutters

STXB
Upblast belt drive centrifugal exhaust fans

For more information, contact your local F.W. Webb location.
VERASYS: SMART CONTROL SYSTEM FOR ENHANCED HVAC EQUIPMENT AND ZONING SYSTEM PERFORMANCE

Ensure comfortable and energy-efficient environments, productive workplaces and maximum equipment life cycles with Verasys™, the complete modern building controls system for light commercial buildings.

Verasys provides a plug-and-play system with smart features and options for ease of selling, installing and servicing.

Features:
• Handles up to 32 zones—VAV boxes or Zone dampers
• Simplifies system startup with Verasys Smart Building Hub via Wi-Fi
• Provides remote access through the internet without a BAS supervisory controller
• Offers optional connectivity to a BAS system
• Features built-in trends, system schedules and alarms for the zone coordinator
• Does not use peer-to-peer communication
• Supports Title 24 Load Shed
• Supports Demand Ventilation Control
• Offers easy setup with any laptop, smartphone or tablet with connection to the Smart Building Hub
• Provides an intuitive, user-friendly system and reduces the risk of wiring issues with a combined zone controller and actuator

DAIKIN VRV AURORA 230/460V HEAT RECOVERY SYSTEM

Announcing the new Daikin VRV AURORA™ 230/460V Heat Recovery Systems. They are engineered and optimized for cold climate and heating dominant applications.

The new VRV AURORA series demonstrates Daikin’s technological leadership by offering the first VRV air-cooled system that delivers efficient heating down to -22°F (-30°C). Engineered with Daikin’s patented vapor-injection compressor technology, the new VRV AURORA series offers 100% of nominal heating capacity at 0°F (-18°C), up to 85% of nominal capacity at -13°F (-25°C) and up to 60% capacity at -22°F (-30°C).

Features and benefits:
• Available in 6, 8, 10-ton single modules and 12, 16, 20-ton multi-module systems
• Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
• Hot gas base pan circuit allows installation without an additional condensing unit base pan heater
• Continuous heating during defrost and oil return
• Added peace of mind with Auto Changeover ability to backup (auxiliary) heat.
• Year-round comfort and energy efficiency delivered by combining VRV and VRT technologies
• Designed and optimized for Total Cost of Construction (TCC) and reduced Life Cycle Cost (LCC)
• Long pipe lengths with up to 295 ft. allowable height difference between outdoor and indoor units, for design flexibility
• Corrosion resistant, 1,000 hours salt spray tested Daikin PE Blue Fin Heat Exchanger
• Standard 10-year limited warranty

Contact your local F.W. Webb sales representative for more information.
ZOOMLOCK FLAME-FREE REFRIGERANT FITTINGS

Labor and time-saving solutions – helping your business do MORE business.

The one-of-a-kind ZoomLock flame-free refrigerant fittings are popular with HVAC/R contractors and technicians who are looking for more flexibility, safety and efficiency. The biggest benefit of improved efficiency is more productivity and increased profile potential.

Features and Benefits:
• Braze-free HVAC/R fittings
• Faster installations
• No fire watch or burn permits required
• No nitrogen purge required
• More profitable projects
WE HAVE YOUR BACK.

REAL PERFORMANCE. REAL ADVANTAGE

We have more than $35 million of Powell Valves in stock, ready for immediate delivery... anywhere on Earth! Powell Valves’ fast, worldwide-response team and our partners deliver — where and when you need it. We are ready for timely global response in critical situations... anywhere on the globe!

Powell Valves provides wide-ranging NextGen-engineered products to the gas and oil, chemical, and water industries with expert knowledge and highly advanced engineered valve systems for critical control and safety applications.

Bronze, Iron, Cast Steel (Bolted Bonnet), Corrosion-Resistant, Cryogenic, Pressure Seals, High-Performance Butterfly, Dual-Plate Check, Forged Steel, Non-Return and many more.
Valves Sizes: 1/8” thru 60” and Pressure: 125# thru 4,500#.
All valves meet strict API standards, including API 624.

Powell Valves’ fast, global-response team and our partners deliver— where and when you need it. Our skilled professionals are ready for timely worldwide response in critical situations.

Contact your F.W. Webb Sales Associate for additional Powell Valves information.

www.PowellValves.com
Pipe, Valves & Fittings
The largest distributor of pipe, valves and fittings in the Northeast with over 90 locations throughout nine states to serve you.

Mike Leander, Director
Industrial Sales
860-922-8594
fwwebb.com

CORE PIPE – PIPING SOLUTIONS THAT FIT

Offering weld fitting and flange solutions for stainless and alloy piping systems through various brands.

PICOR

Weld Fittings: Stainless and alloy
Superior Quality
Domestically produced, Picor weld fittings are known for first-class performance in critical applications. Manufactured in a variety of configurations, Picor offers more than just the standard commodities. Custom fittings can be designed to meet or exceed specific needs in process industries, such as:
Brewery Quality (BQ)
Beverage industry precision tolerances for wall thickness, roundness and finish.

Chem / Pharm
Pharmaceutical and chemical industry requirements for inside surfaces to perfectly match up for precise weld penetration.

Long Tangent / Belled End
Various industries, such as pulp and paper, emergency and tanker trucks, and other applications, requiring special fittings or economical fillet welding techniques.

Marine
Marine industry requirements for specialized fittings in a variety of materials suited for marine applications.

TUBE TEC

Large Diameter Weld Fittings:
Stainless and alloy
Excellent Quality.
Domestically produced, Tube Tec large diameter stainless and alloy weld fittings best serve applications such as wastewater, pulp and paper, bio fuels and grain processing.

TUBE LINE

Pipe Flanges: Stainless and alloy
Exceptional Quality.
Domestically produced, Tube Line stainless and alloy pipe flanges are produced to exceed industry standards. With state-of-the-art machining capabilities, various dimensions or tolerances are easily accommodated. From standard to custom orders, excellence is delivered.

BRITE LINE

Weld Fittings and Flanges: Stainless and alloy
Trusted Quality. Best Value.
Globally produced, Brite Line provides customers a value brand of stainless and alloy weld fittings and flanges. These products are manufactured to Core Pipe standards using joint venture facilities or approved global partners. In the competitive global marketplace, Brite Line gives customers the confidence of knowing quality is never compromised.

Weldbend now introduces Low Temperature, A420 WPL-6 Fittings
Now you can get all of your domestic carbon steel fittings, including High-Yield and Low Temperature, from one source.

Contact your F.W. Webb representative for more information.
**NEW PRODUCTS!**

**M18™ FUEL QUIK-LOK STRING TRIMMER ATTACHMENT**
2825-21, 2825-20T

- POWERSTATE™ Brushless Motor: Purposely built for the M18 FUEL™ power head to deliver the capability to power five Quick-Lok attachments
- M18 FUEL™ technology allows unit to maintain speed in demanding string trimmer applications without bogging down
- Full throttle in under one second
- Up to one hour per charge
- Easy load trimmer head

**M18™ FUEL 10" POLE SAW KIT WITH QUIK-LOK**
2825-21PS

- Full throttle in under one second
- M18™ REDLITHIUM™ HD 9.0 battery delivers up to 150 cuts per charge in 3" hardwoods
- QUIK-LOK™ attachment compatible
- 10" Oregon bar and chain
- Automatic oiler with translucent reservoir

**USB RECHARGEABLE PIVOTING FLOOD LIGHT**
2114-21

- Best-in-Class 550 lumens of TRUEVIEW™ high definition output
- Over 11 hours of runtime
- Magnetic base for hands-free use and clip and carry with built-in carabiner
- Tool and LED limited lifetime warranty

**USB RECHARGEABLE PIVOTING FLASHLIGHT**
2113-21

- 500 lumens of TRUEVIEW™ high definition output
- Up to 10 hours of runtime
- 110° pivoting head for directing the beam
- Magnetic base for hands-free use
- Tool and LED limited lifetime warranty

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**Pharmaceutical Steam Quality**

*The right steam makes a difference*

Whether you need plant, clean or pure steam for your manufacturing process, Spirax Sarco has you covered.

**Our full range of high purity products:**
- Reduces risk of product contamination.
- Maximizes efficient distribution and control of process steam.
- Ensures safety and keeps you in compliance with regulations.

Our products are designed and manufactured to the highest standards to support your process needs. We can partner with you to ensure you have the right quality and amount of steam for your process.

*Contact your local F.W. Webb representative today to learn more.*
Griswold Pump Introduces Continuous Pump Monitoring with SafeGuard™

SafeGuard™ is an industrial pump predictive maintenance solution that provides proactive pump health alerts via continuous cloud connectivity. Through wireless access and remote observation, this system tracks the health of both the pump and motor, automatically generating an issue alert with clear, actionable guidance to easily resolve the root cause of the issue.

With SafeGuard you can plan for:
- Strategic downtime planning
- Remote pump health notifications
- Actionable guidance to resolve issues

What does SafeGuard Monitor?

Tri-Axial Vibration
- An equipment’s vibration signature provides extensive details about its health and is used to identify bearing failure, mis-alignment, cavitation, pipe strain and much more.

Temperature
- Elevated temperature is an indication of bearing failure, inadequate bearing lubrication, and other causes. Studying the temperature trend can detect thermal fault signatures and gain additional insight.

Electromagnetic
- Allows the sensors to monitor the true RPM and diagnose electrical faults to not only monitor the health of the motor, but also enhance the vibration analysis accuracy.

Software Capabilities
- Overall Pump Health: Quickly identify health of all pumps through a color-coded dashboard
- Pump Details: Easily document and access pump specifications, installation and operational details
- Machine Health Trends: Trend analysis shows pump health over time and is categorized on scale
- Actionable Repair Instructions: Failure mode activation and helpful guidance displayed upon detection of failure
- Service and Repair Tracker: Document and track all repairs in a convenient location
- Report: Generated when equipment health changes; customizable to include basic or complete data

Software Capabilities

Motor
- Motor Soft Foot
- Stator Eccentricity
- Rotor Eccentricity
- Loose Stator Windings
- Loose Rotor Bars
- Cracked Rotor Bars
- Loose Connections
- Worn/Eccentric Motor Sheave

Pump
- Impeller Imbalance
- Pump Soft Foot
- Shaft Eccentricity
- Vane Pass Frequency
- Bearing Lubrication Issues
- Bearing Wear
- Cavitation
- Pipe Strain

Unit
- Coupling Misalignment
- Baseplate (Foundation) Looseness
- Electrical Faults
- Electricity Discharge through Bearing

Contact the Commercial & Industrial Pump division of F.W. Webb for more details about SafeGuard™ and Griswold Pumps.
The RP 240 is 15% smaller and 10% lighter than its predecessor, making it an ideal solution for pressing copper, stainless steel, black steel and PEX in hard to reach areas. Its lightweight, compact design also helps minimize fatigue and maximize productivity.

The RP 240 comes standard with a 12V battery that provides over 140 crimps per charge—three times the competition. It weighs 7.4 pounds, with battery and jaws, and at 13” is 15% smaller in length than the prior model. The tool easily connects to RIDGID Link, providing users data on crimps, service history and more. It is compatible with all prior RIDGID® compact series jaws and attachments.

The RP 241 is 25% smaller and 10% lighter than its predecessor, making it an ideal solution for pressing copper, stainless steel, black steel and PEX in hard to reach areas. Its lightweight, compact design also helps minimize fatigue and maximize productivity.

The RP 241 comes standard with a 12V battery that provides over 140 crimps per charge—three times the competition. It weighs 7.4 lbs., with battery and jaws, and at 15.8” is 12% shorter in length than the prior model. The tool easily connects to RIDGID Link, providing users data on crimps, service history and more. It is compatible with all prior RIDGID® compact series jaws and attachments.
Saving Customers Time and Costs

The F.W. Webb Fire Protection & Fabrication division recently completed a project at the Peerless Clothing Warehouse in St. Albans, VT with contractor, Firetech Sprinkler Corp. The 90,000 square foot facility consisted of five levels of rack storage and required 450,000 square feet of sprinkler protection.

Pre-bid and post award, Outside Sales Representative Tim Christie, NICET LEVEL III, F.W. Webb Fire Protection & Fabrication division, met with Firetech to review the layout and provide value engineering and consultation.

The proposed sprinkler head layout in the original bid documents outlined standard 21’-0” lengths of pipe. Since this would have required considerable labor in the field to sort out the thousands of pieces of pipe, Tim recommended a more cost-effective approach.

He worked with a pipe mill to custom order lengths of 20’ pipe that the Fire Protection team could fabricate in our Canton, MA facility. In addition to saving Firetech time and costs, the custom piping fabrication also offered flexibility during the construction phase. “The way the pipe was cut made it easy for the contractor to move from one area to another, especially since the construction schedule changed a few times,” Tim said.

Supplying over 10 miles of fabricated pipe and thousands of products, Fire Protection made multiple deliveries from Canton to the jobsite throughout the project. Additionally, the team packaged the materials and sprinkler heads together to minimize handling and optimize buying power for Firetech.

“F.W. Webb was a true partner on this project. They advised us during the design phase so that we could maximize head spacing, minimize pipe cuts and standardize pieces in order to make fabrication and installation as efficient as possible. The Peerless project was certainly a model for how suppliers and contractors can work together in a mutually beneficial way.”

— Debbie Winters, Owner, Firetech Sprinkler Corp.
Lead-Free Brass Solenoid Valves

Applications:
ASCO lead-free brass solenoid valves are ideal for applications seeking compliance with the Federal Safe Drinking Water Act (SDWA) regulations such as commercial dishwashers, water purification (reverse osmosis) equipment, and general plumbing uses. The valves facilitate equipment design by eliminating the need to perform the wetted surface area lead content calculation specified by the SDWA.

Features and Benefits
Ultra-reliable lead-free brass constructions are available on ASCO's most popular lines of general service solenoid valves such as the 210 Series and 262/362 Series.

- Pipe sizes of 1/8 inch to 1 inch
- NBR and EPDM elastomer options
- Coil electrical connection options: conduit (NEMA 4X), DIN coil, open-frame spade
- Hot water constructions

ASCO is the only company offering lead-free brass valves with a zero psi minimum pressure differential option. Five psi minimum pressure differential models also are available.

Contact your F.W. Webb representative for more information.
INTRODUCING THE NEXT GENERATION OF DIGITAL HOT WATER TEMPERATURE CONTROL

THE BRAIN® THAT LETS YOU HANDLE IT ALL FROM YOUR SMARTPHONE OR TABLET USING SAGE® MOBILE

Armstrong brought hot water temperature control into the digital age with The Brain®. Ten years later, our history of cutting-edge innovation continues. Smarter, easier and more connected than ever, this is The Brain® that puts control right in the palm of your hand. Compliance with a Standard of Care has never been simpler.

Experience the world’s most advanced digital hot water temperature control for yourself. Play our interactive game for a demonstration and get more information on The Brain® DRV25 at ArmstrongDoesItAgain.com

Please contact your local F.W. Webb representative for more information.
ARE YOUR GAUGES NSF-61-372 COMPLIANT?

Winters’ PCT-LF (Contractor), PEM-LF (Economy), PET-LF (Test) and PFQ-LF (Liquid Filled) lead free gauges are all NSF-61-372 CERTIFIED.

NSF certification ensures that you are getting instrumentation safe to use to monitor drinking water.

Contact F.W. Webb for more information.

Call 401-463-3741
Industrial PVF Specialties

Offering high-quality industrial hose products from the most trusted manufacturers in the industry, expert service and skilled fabrication of custom hose assemblies.

F.W. Webb is now the full distributor of Continental hose products.

RESISTOFLEX® PLASTIC-LINED LARGE DIAMETER PIPE AND FITTINGS

**Key Features**
- Mechanically bonded seamless liners
- Excellent chemical and abrasion resistance
- Liner thickness ranging from 0.125” – 0.450”
- 14” - 48” pipe lengths up to 20 ft
- Large diameter vessel lining up to 161”
- 6 Single piece complex shapes

**Applications**
- Seawater for Cooling
- Waste Water Collection and Treatment
- Brackish Water
- Condenser Water Recirculation
- River or Well Water
- De-mineralized Water
- Oily Water / Drain Lines
- Brine
- FGD Slurry Pipelines and Lime Injection
- Acids (Sulfuric, Hydrochloric, Nitric, Phosphoric)
- SO2 Scrubber Columns
- H2S Stripper
- Ultrapure Systems

**Standards**
- ASME B31.1 and B31.3
- ASME B16.5 and B16.47
- ASME B16.9
- ASTM F1545-15a

**Liner Materials**
- Polypropylene (225°F)
- ETFE (300°F)
- HDPE (180°F)
The benefits of ozone have been known for a long time. It is a safe and organic way of cleaning and sanitizing your equipment, eliminating the need for storing and using harsh chemical sanitizers. Ozone’s effectiveness derives from its ability to break down cellular walls in bacteria and viruses, killing them outright. When properly used, it eliminates the need for sanitizer and even reverts back to simple oxygen, leaving no residue.

The C1 is a simple cart-based ozone generating unit for getting to all those hard to reach places that need sanitizing or odor control throughout your facility. This compact well-balanced unit has a low center of gravity for easy use and storage. Keeping with the ease-of-use theme, the C1 is push-button operated with full system monitoring indicators and a microprocessor for self-diagnostics. The C1’s critical parts are sealed for safe operation around water and are built around a welded stainless steel tubing frame and stainless water safe exterior.

If your facility needs a mobile and easy way to clean and sanitize, Strahman’s C1 mobile unit is the preferred choice. Part number for specifying: OZC1

Applications:
- Surface sanitation
- Vegetable rinsing
- Wineries
- Breweries
- Cideries
- Bottling equipment
- Airborne decontamination (ozone gassing)
- Gassing stored barrels
- Micro-oxy usage

Benefits:
- Microbe reduction
- Odor control
- Water safe operation
- No harmful byproducts
- FDA & USDA approved (for food contact)
- No chemical storage (sanitizing on demand)
- Made in the USA
- Environmentally friendly
- Gasses ozone or oxygen (for varied applications) Gassing stored barrels
- Micro-oxy usage

Compressed air is one of the most critical and expensive utilities in any manufacturing facility. Often times though, the maintenance and monitoring of this crucial system is overlooked. When the system is given attention, the focus is on the compressor room. The piping system - where most problems exist - is often ignored.

Copper and Steel compressed air piping tends to corrode overtime, reducing the flow of air. The corrosion strangles air supply, causing your machines to lose air pressure, ultimately causing defects and rework to finished goods.

To detect issues in the piping, you need to monitor Pressure, Humidity, Flow, Temperature and Power. This can be done via analog gauges or wireless sensor technology. For more information, visit the Parket Transair Learning Center.

The F.W. Webb Industrial PVF Specialties division is the exclusive stocking distributor of Parker Transair® aluminum pipe systems in New England, upstate/central New York and New Jersey.

CBC-Lok tube fittings are fully interchangeable with Swagelok® and Parker A-Lok®.

Tylok’s product line includes:
- Tube fittings
- Tube adapters
- General purpose valves
- Ball valves
- Plug valves
- Needle valves
- Quick connects
- Pipe fittings
- Hose products

Unit includes cart, hose and nozzle.
NEW! FIBERGLASS PIPING PRODUCTS

With many applications in the power, oil and gas, water, and industrial markets, F.W. Webb is pleased to announce its exclusive regional agreement with Future Pipe Industries (FPI) to provide Glass Reinforced Polyester Piping and Tanks, High Pressure Piping, Glass Reinforced Epoxy and Offshore fiberglass piping products.

FIBERGLASS PIPING PRODUCTS

MARKETS SERVED

Water
- Water Treatment Lines
- Water Distribution Networks
- District Heating Networks
- Sewage Networks
- Drainage Networks
- Irrigation Networks
- Municipal and Commercial Water Wells
- Water Flood Lines

Oil and Gas
- Refinery Utility Piping
- Fire Water Lines/Fire Fighting Networks
- Salt Water Injection Lines
- CO₂ Recovery
- Brine Disposal
- Chemical Piping Systems

Industrial
- Industrial Plant Piping
- Cooling Water
- Mining Operations
- Petrochemical Facilities
- Sea Water Systems
- Heavy Duty Chemical Piping
- Ballast Piping
- Seawater Cooling Systems

Future Pipe Industries provides a complete, turnkey package. They offer everything from engineering services to manufacturing/fabrication services, project management and field services.

For further information about this exceptionally versatile product line, please contact Joe Jauss, Market Manager for Power & Utilities.
F.W. Webb's Four-Phase Steam Program

A comprehensive program designed to improve your steam system’s cost and energy efficiency.

On average, 10-11 percent of the installed steam traps at your facility may have failed, allowing live steam to escape into the condensate return system. Failed traps waste fuel, reduce energy efficiency and increase production costs.

F.W. Webb offers a steam trap and steam energy program to help you lower your system's inefficiencies. Partnering with our priority manufacturers, we use the latest technology within our four-phased approach to identify steam loss trends and potential savings.

Phase 1: Education

On-site steam system seminar.

Tailored to meet your company’s specific needs, this interactive seminar offers group discussions that can help solve steam and condensate problems related to your process. After our seminars, your employees will be better equipped to understand and troubleshoot steam trap and system problems.

Phase 2: Field Survey

Complete survey of your installed trap population.

With a number of trained technicians on staff, F.W. Webb has an experienced team available to survey your steam traps, unit heaters and condensate pumps with minimal downtime. Utilizing state-of-the-art equipment, we test each trap to determine its' operating condition and use a mobile app to automatically upload the data into a secure online database. Along with steam trap condition, we determine if they are properly piped and identify any other system deficiencies.

Phase 3: Reporting

An online dashboard and downloadable report delivers real-time data.

Once the trap survey is complete, the online dashboard provides an overview of your steam trap system performance, the status of your hot water systems, steam costs for the past year, steam loss data and any equipment in need of attention.

The data is then compiled into a Steam Trap Executive Summary, a comprehensive report that highlights how your facility can maximize equipment reliability and efficiency. It includes detailed analysis on monetary loss, fuel use, repair costs, payback periods and CO2 emissions – allowing you to make more informed and proactive decisions when it comes to your steam system.

Phase 4: Implementation

F.W. Webb offers maintenance programs tailored to your site.

We use the reports to identify and recommend steam system improvements. These can include access to real-time data via your smartphone, tablet or computer, online monitoring of targeted steam traps and regularly scheduled steam trap repairs. Whichever approach you decide, we are readily available to assist you.
Future Pipe Industries (FPI) is a leader in engineered, performance-based fiberglass pipes. With a comprehensive product portfolio of fiberglass pipe systems, FPI has a solid reputation for designing, manufacturing and installing bespoke pipe solutions for leading companies in the fields of oil & gas, water, industrial and marine. Established in 1984 in Dubai UAE, FPI has rapidly grown to become a global leader in anti-corrosive fiberglass pipe system design and manufacturing.

FPI facilities are state of the art. With advanced manufacturing, testing and process control systems, FPI operates 53 production lines and serves more than 400 customers worldwide in the oil & gas, water, industrial and marine sectors.

As the leading global integrated solution provider in the large diameter anti-corrosive fiberglass pipe market, FPI has gained a solid reputation in offering quality and reliable bespoke fiberglass pipe solutions, from design and engineering, manufacturing and in house testing to installation and onsite training and supervision.

### Oil & Gas
Economic development and social progress are dependent on energy. In a constantly evolving world and with an increasing demand for energy, Future Pipe Industries supports energy optimization, efficiency and sustainability. Fiberglass is non-corrosive making it a material of choice, connecting vital resources to consumers. Future Pipe Industries exclusively developed product range, which can withstand pressure of up to 3,500 psi and temperature up to 121OC (250°F). It includes Wavistrong™, Wavistrong™ FR, Red Box®, Yellow Box®, Fiberbond® and Flexstrong®.

### Water
Water is the essential component of all life. Future Pipe Industries delivers sustainable water solutions which connect life to its source. They cover all elements of the water cycle, including urban, agricultural and waste water applications, as well as sewer and water transmission plants. Their product range for the water sector includes Fiberstrong, Wavistrong and Wavistrong H2OTM.

### Industrial
Complementing the boom in the oil and gas sector is an increased demand for major industrial developments. Developers, petrochemical corporations, power plant, mill and mine owners need pipe solutions for applications including dredging, mining (slurries), sugar refineries, resin plants, cooling water systems, pulp and paper production and process automation piping. Future Pipe Industries products such as Fiberstrong, Wavistrong, Fibermar™, Wavistrong FR and Fiberbond are extensively used in the industrial sector, for a wide range of applications.

### Marine
The Marine industry has long provided our world with a major form of transportation. Water transportation is economically and environmentally an efficient way to travel or transport merchandise; around 90% of world trade is carried by the international shipping industry.

Future Pipe Industries products such as Wavistrong and Fibermar with excellent corrosion resistant properties mean their pipe systems will last for the life of a ship. Their Fiberbond and Wavistrong products are also used in a range of offshore applications.
Thermoplastic Piping

Premium thermoplastic piping products that provide ease of installation and cost efficiencies for deionized water, acid waste and chemical resistance applications.

F.W. Webb is Exclusive Distributor of Future Pipe Fiberglass Line (continued)

Solutions

Product Applications
All Future Pipe Industries products are manufactured in accordance with stringent customer specifications and according to the most demanding international standards. Using the latest technology, FPI offers the largest diameter and most versatile range of fiberglass pipe products in the market today. With diameters ranging from 25mm (1”) up to 4,000mm (160”) with an ability to withstand pressures of up to 3,500 PSI depending on their size, FPI's fiberglass-composite corrosion-free pipe systems can transport virtually any medium or compound available in the market including water, acids, alkalis, oxidants and all hydrocarbons in liquid and gas forms, both sweet and sour.

The FPI product range is the most tested product in the industry, this assures customers of their long term performance. In FPI's state-of-the-art testing facilities they continue to qualify and expand their product range into higher pressure and higher temperature resistant pipes.

Commitment to Excellence
The Future Pipe Industries Group’s leadership in dedication to quality is a commitment to ensure customer satisfaction and to propose pipe systems that comply with the various existing international standards with proven performance certified by independent international authorities and organizations.

International Standards
The Future Pipe Industries Group manufacturing process, products and testing methods follow the strict requirements of the following recognized international bodies:
- ASME NM (American Society of Mechanical Engineers - Non Metallic)
- AWWA (American Water Works Association)
- ASTM (American Society for Testing and Material)
- ANSI (American National Standard Institute)
- API (American Petroleum Institute)
- BSI (British Standard Institute)
- Shell DEP (Shell Design and Engineering Practice)
- DIN (Deutsches Institut für Normung)
- ISO (International Organization for Standardization)

Delivering Water and Energy to the world, in the most efficient and sustainable way.

For more information contact us at 800-343-7555 or email plastics@fwwebb.com.
TOP ENTRY BALL VALVE

Critical Service Valves
• Sizes 1/2” to 12”
• Temperature: -50°F to 1,000°F
• ANSI Pressure Class 150, 300, 600
• Vacuum to 29” Hg
• 23 seating materials, four different configurations
• High-strength encapsulated metal seat holders
• 12 body materials
• 11 ball and stem materials
• 27 end configurations and pressure classes
• Standard bonnets, extended bonnets and fugitive emission bonnets – all interchangeable
• B16.34 Compliant

APOLLO® FLANGED BALL VALVES

High Performance Flanged Valves
87A/88A Series
Apollo flanged ball valves are available in CF8M Stainless Steel, WCB Carbon Steel and CN7M A20 alloy.
A351 CF8M – 87A Series
A216 WCB – 88A Series
A351 CN7M – 87A-400 Series
– 87A-500 Series

Apollo flanged valves are available in 150# flanged and 300# flanged floating designs. They are also available in standard and full-port configurations.

<table>
<thead>
<tr>
<th></th>
<th>Flange Rating</th>
<th>Standard Port</th>
<th>Full Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Steel</td>
<td>150#, 300#</td>
<td>88A-100, 88A-700</td>
<td>88A-200, 88A-900</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>150#, 300#</td>
<td>87A-100, 87A-700</td>
<td>87A-200, 87A-900</td>
</tr>
<tr>
<td>Alloy 20</td>
<td>150#</td>
<td>87A-400</td>
<td>87A-500</td>
</tr>
</tbody>
</table>

Also available with trim options:
• 316SS ball and stem
• NiCu ball and stem
• Hastelloy ball and stem

87A, 88A Extended Bonnet

Works Best in Insulated Applications
Unique Apollo® 4” stationary bonnet extensions are your perfect choice for valves in insulated service. Better than a stem extension, this gasketed, pressure-containing bonnet bolts directly to the ISO 5211 mounting pad. Because the extension is stationary, the valve can operate as designed — without tearing away insulation. The packing is moved above the insulation for ease of maintenance. A four-point ISO 5211 mounting pad is also included as the standard locking feature. Available factory-installed or in kit form for retrofitting.
• B16.34 Compliant

APOLLOXPRESS™

Choose the Cast Bronze Valve from Apollo® that Installs Securely in Seconds

Features:
• Compatible with most crimping tool systems
• 250°F maximum operating temperature
• Max operating rating: 250 psig
• Ridgid® Press Tool compatible
• Adjustable stem packing
• For water or air service
• Blow-out proof stem
• Sizes 1/2” – 2”

Apollo Series 77W ApolloXpress ball valves provide a solid joint between pipe and valve in just seconds with no additional fittings, no solder, no flame. The 77W features foolproof Leak Before Press™ technology. ApolloXpress valves meet MSS SP-110 standards and are ANSI/NSF 61 approved. ApolloXpress valves are available in leaded and lead-free (LF).

Press by hose, cap and chain design is available.

77V, 77WLF forged brass versions also available.

APOLLO® CLASS 600 BALL VALVES

83B Carbon Steel and 86B Stainless Steel

Fully rated in every size: 3/8”, 1/2”, 3/4” 1”, 1-1/4”, 1-1/2” and 2”.

Also available in nickel and alloy bodies. Gland plate adjustable without removing actuator.

• Three-piece full port enclosed stainless steel bolts
• Swing-out center section
• Pressure-balanced solid ball
• Anti-blowout bottom entry stem design
• Anti-static ground ball and stem
• Lockable in open or closed position
• Fully machined ISO 5211 mounting
• Cast bosses for bleed and drain ports

• Vacuum service to 29” of Hg
• Meets NACE MR0175 (2000 edition)
• Steam rated to 250 SWP
• Adjustable multi-piece “V” style packing
• Unfilled FDA compliant, enhanced PTFE seats are standard
• B16.34 Compliant
Ecological Permit Services

Alliance Environmental Group (AEG), an F.W. Webb Company, provides turnkey ecological assessment, field implementation and management, as well as design and construction services. AEG manages a wide array of ecological projects. From wetlands mitigation, restoration and permitting to comprehensive habitat investigation, analysis and rehabilitation.

We recognize that activities performed in wetlands and ecologically sensitive habitats require sound planning and care during the investigation, design and monitoring phases. AEG emphasizes natural recovery, invasive species control and erosion control by designing and implementing innovative solutions that reduce costs without compromising environmental integrity.

Ecological Permit Services:
- Wetlands delineation
- Rehabilitation, mitigation and restoration approaches
- Federal, state and local permits
- Erosion and sediment control plans
Cambridgeport

Curbs • Adapters • Vibration Isolation • Wind & Seismic • Sloped Designs
Economizers • Concentrics • Coil/Hail Guards • Equipment Supports • Burglar Bars
Service Platforms • Catwalks • Field Measurements • Custom Designs
CURBADAPTER.COM

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1.877.tri.flex

Contact your F.W. Webb representative for more information.
**AGW LIFE SCIENCES SERIES GUIDED WAVE RADAR**

The AGW Guided Wave Radar uses the TDR (Time Domain Reflectometry) principle. The instrument sends low power nanosecond wide pulses along an electronically conductive rod with a known propagation speed (the speed of light). When a pulse reaches the surface of the medium that has a higher dielectric than the air/vapor in which it is traveling, the pulse is reflected. The reflected pulse is detected as an electrical voltage signal and processed by the electronics. The level measurement is directly proportional to the time of flight of the pulse.

The measured level is converted into 4-20 mA current and HART signals which is displayed on the LCD display. The level data measuring values can be calculated into volume.

**Application / intended use:**
- Continuous level monitoring in vessels up to 10 ft (3 m) in height
- Level measurement in virtually all media in the Life Sciences industry
- Level measurement of foaming media
- Minimum product dielectric of dK2, suitable to all water based media including WFI

**Application examples:**
- Bioreactor level monitoring
- WFI storage and production level monitoring
- CIP tank level monitorings

**Special features / advantages:**
- 2-Wire sensor with 4...20mA and Hart 5.0 output
- Factory bent probes available to accommodate unique tank geometries
- Programming and set-up including strapping table can be configured via Anderson-Negele E-Scope software
- Transmitter head removable without breaking sterile boundary allowing dry calibration with optional dry-verification kit.
- Fixed 316L electropolished probe standard
- Material and calibration certificates included in standard scope of supply
- Optional PC Hart modem available for use with Anderson-Negele E-Scope software

**Hygienic design / process connection:**
- Designed in compliance with ASME BPE 2016
- Product contact materials are 316L and USP class VI PEEK
- Options for common tri-clamp sizes
- Housing made of stainless steel (protection class NEMA 4X)
- Continuous process up to 290 F (143 C)

**Options / accessories:**
- USB Hart modem with BlueTooth
- Pre-assembled cable for M12 plug
- Dry bench calibration kit

---

### Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rod length</strong></td>
<td>Product contacting 120 in max. 36 in max after bend</td>
</tr>
<tr>
<td><strong>Deadband</strong></td>
<td>length beyond process connection 10 in max</td>
</tr>
<tr>
<td><strong>Process connection</strong></td>
<td>Tri-Clamp 1&quot;, 1½&quot;, 2&quot;, 2½&quot;, 3&quot;</td>
</tr>
<tr>
<td><strong>Process pressure</strong></td>
<td>230 psi (16 bar) max.</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>Connecting head 304 SS Polycarbonate</td>
</tr>
<tr>
<td></td>
<td>Plastic cap/viewing window 304 SS</td>
</tr>
<tr>
<td></td>
<td>Threaded connector USP class VI PEEK</td>
</tr>
<tr>
<td></td>
<td>Insulating part</td>
</tr>
<tr>
<td></td>
<td>Process connection and rod 316L SS, Ra&lt;20 microinch with EP</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>Process 14...284 °F (-10...140 °C)</td>
</tr>
<tr>
<td></td>
<td>CIP/SIP cleaning 290 °F (143 °C) max 120 minutes</td>
</tr>
<tr>
<td><strong>Repeatability</strong></td>
<td>+/- .08&quot; (2mm)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>+/- .15&quot; (3.8mm)</td>
</tr>
<tr>
<td><strong>Linearity</strong></td>
<td>&lt; 1.0 % of the upper range value (= rod length)</td>
</tr>
<tr>
<td><strong>Temperature drift</strong></td>
<td>At 25 °C</td>
</tr>
<tr>
<td></td>
<td>± 0.1 %</td>
</tr>
<tr>
<td><strong>Response time</strong></td>
<td>&lt; 500 ms</td>
</tr>
<tr>
<td><strong>Electrical connection</strong></td>
<td>Supply 18...36 V DC</td>
</tr>
<tr>
<td></td>
<td>Protection class NEMA 4X</td>
</tr>
<tr>
<td></td>
<td>Output signal Analog 4...20 mA galvanically separated from housing</td>
</tr>
<tr>
<td></td>
<td>2-wire loop 0...750 Ω</td>
</tr>
</tbody>
</table>

Call your F.W. Webb representative today for more information.
New Partnership with PowerSeal Pipeline Products

Through this new partnership, the F.W. Webb Water Works division will now have the ability to support customers across the Northeast on emergency repair products that require specialty engineering fabrication, such as building large diameter transition couplings, dismantling joints and wrap arounds. We will also stock PowerSeal tapping sleeves, transition couplings, saddles, repair clamps and couplings.

PowerSeal Pipeline Products Corporation was formed in 1985, when assets of the Special Products Division of the Clow Corporation were purchased by Edward J. Powers, a Vice President and 25 year employee of Clow.

Headquartered in Wichita Falls, Texas, the company offers high-quality pipeline accessories and tools primarily used by fluid and gas distribution construction industries for the repair, maintenance and new construction of potable water and sanitary sewer lines, agricultural irrigation lines, natural gas distribution lines and low-pressure oil gathering lines.

Like F.W. Webb, PowerSeal is a family owned and operated company built on a foundation which stresses strong customer relationships, exemplary custom service and top-notch quality.

Contact your local F.W. Webb Water Works branch for more information.
AXION® eyePOD®

A faucet-mounted, thermostatically-controlled eyewash that provides facilities with AXION Medically Superior Response® eyewash capabilities in an attractive, low profile, cost efficient design.

- INVERTED, LAMINAR FLOW WASH STREAMS
- BUILT-IN SAFETY
- ANSI COMPLIANT
- EASY INSTALLATION

For more information, contact Dean Plouffe 800.344.9322 • dean@fwwebb.com

NEW!

PUMP STICK™

CORDLESS POWER WATER PUMP

- Compatible with different battery brands
- Secure, magnetic hose connection
- Aluminum body for durability
- Multiple screen/filter options
- Quick change motor
- Pumps up to 15 gallons per minute

For more information, contact your F.W. Webb representative.

http://videos.reedmfgco.com/PSPump
ARMSTRONG DIGITAL RECIRCULATION VALVE: THE BRAIN® MODEL DRV25

DRV25 Digital Recirculation Valve (DRV) designed specifically to be the primary water temperature controller in a continuously pumped circulating hot water system.

Digital technology provides enhanced water temperature control accuracy which resists zero system demand “Temperature Creep” without the use of a manual throttling valve or a temperature activated pump shut-off device (aquastat). Also capable of zoned system control with or without recirculation.

Completely integral digital valve with no need for external or ancillary components such as actuators, sensors or controllers.

Operational specifications:
- Ready to go out of the box or field adjustable via Bluetooth connectivity with the SAGE® mobile app
- +/−2°F DRV water temperature control at peak, moderate or zero fixture demand on hot water system designed for continuous recirculation
- 2°F minimum recirculating water temperature differential
- Programmable set point range of 81-158°F (27-70°C) capable of BAS or SAGE® mobile app for monitoring and adjustment
- Programmable thermal disinfection range of 158-185°F (70-85°C)
- Automatic safe closure of hot water inlet in response to: inlet supply failure, 110V power failure or programmable high temperature error
- Automatic safe closure of hot water inlet powered by a replaceable lithium battery monitored for low-level alerting

Technical specifications:
- 100-240V AC
- Polymer electronics enclosure
- Stainless steel valve construction
- Lead Free compliant
- Maximum inlet HW supply temperature 185°F (85°C)
- Minimum system draw off - 0 GPM
- Minimum direct draw off - 2 GPM (7.6 LPM)
- Conforms to ASSE 1017, CSA B125.3-11, UL E357437 and CE
- Operational water pressure of 10-200 psig (.7-13.3 barg)
- Bluetooth (BLE) enabled for direct communication with the DRV25 via the SAGE mobile app status dashboard and programming.
- Shipping weight 6.8 lbs (3.1 kg)

Connectivity:
- RS485 Serial Port – Integral MODBUS RTU for direct connectivity to BAS. Seamless integration with SAGE (BS) connectivity options.
- SAGE mobile app allows for Bluetooth (BLE) communications with the DRV25, and SAGE® to Cloud communications if optional mobile connectivity subscription is activated.
- Mobile Connectivity features smart hot water system dashboard monitoring, secure remote programming, multi-location view, temperature and system diagnostic alerts, with unlimited digital documentation and automated report generation.
KROHNE LEVEL MEASUREMENT

Transmitters, switches, indicators and accessories for level measurement

- For continuous level and interface measurement or point level detection
- Contact or non-contact measurement of liquids, pastes, granulates, powders, solids, bulk goods etc.
- For standard or demanding applications with advanced requirements, hazardous areas and Functional Safety (SIL)

Level transmitters:
For continuous level and interface measurement – contact and non-contact
- Various technologies: FMCW radar, TDR guided radar, ultrasonic, displacer, potentiometric, hydrostatic pressure
- For process and storage applications with liquids and solids
- Meet the requirements of various industries

Level switches:
For point level detection and interface measurement
- Vibration forks and capacitance level switches
- For use in liquids and solids
- Suitable for extreme pressure and temperature conditions, hazardous and hygienic applications or safety integrity systems (SIS)

Level indicators:
For continuous level measurement without power supply
- Magnetic bypass float level gauges
- With optional FMCW radar or TDR guided radar level transmitters
- For a wide range of liquid applications

Level accessories:
For level transmitters and level switches
- Level signal conditioners and surge protectors
- Digital panel indicators
- On-site service and verification tools

Contact an F.W. Webb Process Controls division team member with your questions.

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- Factory-trained technicians
- Safety valve shop and field repair and testing
- Free transport of valves with F.W. Webb trucking

- Masoneilan Authorized Repair Center
- Documentation of valve info with ValveKeep
- Digital Positioner upgrades and training
- Valve Automation upgrades and retrofits

Contact an F.W. Webb Process Controls division team member in New England with your questions.
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REVIVE YOUR SYSTEM WITH AMERICAN VALVE
4000 SERIES BALL VALVES

Contact F.W. Webb Product Manager Gary Rose for more information. 800-795-6390 • hose@fwwebb.com

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