



Water & Wastewater

Product Overview

Contents

3

Mueller® Brands

4-7

Valves

7

Valves & Fire Hydrants

8

Machines, Brass, and Pipe Repair

9

Hydro-Guard®

10

Intelligent Water Technology

11

Company History

12

Delivery & Service

Our Mission

“ *To be a trusted provider of branded products and services known for superior quality, reliability and the lowest total cost of ownership that help our customers operate their businesses more efficiently and protect lives and property.*

We manage our business to realize leadership, sales, and value creation over the long term.

”

- **Greg Rogowski**
President, Mueller Co.

Company Overview

Since 1857, the Mueller name has been associated with dependable Water and Gas distribution products around the Globe. With a foundation of solid core values and a clear mission, Mueller Co.'s International Division is the sales and marketing arm outside of North America for nearly all of the company's brands and affiliates. This includes: Mueller®, US Pipe® Valve & Hydrant, Jones®, Hydro-Guard®, Pratt®, Milliken®, Hydro Gate®, Mueller Systems®, and Echologics®.

Mueller Co.'s Flow Control and Fire Protection products are used in the building and maintenance of infrastructure. This includes Water and Gas distribution systems, Water & Wastewater treatment plants, Power Generation facilities, and more.

The International Division serves as an extension of the factories operated by Mueller Co. and its affiliates. Our team is strategically positioned around the world to best serve customers in various time zones, cultures and languages, providing the specialized support required for international business. We employ dozens of industry veterans who thrive on solving problems and developing innovative solutions for our customers.

Core Values

Mueller Co. has a set of Core Values to help us think, act and work together to benefit all of our stakeholders – from our employees who are our most valued assets, to our customers who expect quality products and service.

These Core Values are not an end in themselves. Rather, they form the foundation of our culture, define behaviors required of us all and guide our decision making.

As a company and as individuals, we will:

- Act with integrity – do the right thing
- Treat each other with respect
- Build relationships
- Promote a culture of innovation and continuous improvement
- Deliver exceptional results
- Foster a safe and environmentally responsible culture

Pratt®

With roots dating back to the early 1900's, the Henry Pratt Company designs, develops, manufactures and markets Butterfly, Rectangular, Ball, Nuclear, Industrial, Cone, Sleeve, Air, Knife Gate, and Energy Dissipating Valves as well as Valve Actuators and Control Systems. Our products are used in potable Water, Wastewater, Power, Industrial, and Nuclear markets.

Milliken®

Milliken® Plug, Check, and Butterfly valves and their respective controls and actuators are used primarily in the Water, Wastewater, and industrial markets.

Hydro Gate®

With more than 100 years experience, Hydro Gate Valves have built a long-standing reputation for superior quality water control for a variety of industries. Our manufacturing expertise revolves around making large, heavy-duty Gates that are 100% custom-built to match specific applications.

Jones®

The Jones® brand has been used on quality bronze products since the early 1890's, soon after James Jones emigrated from England and settled in California. Valves were the predominant products of the James Jones Company until 1926, when it built its first Bronze Fire Hydrant at the request of the Fire Chief of Monrovia, California. The Jones Bronze Wet Barrel Fire Hydrant continues to be the preferred brand in most parts of California. The Jones range also includes a substantial range of Ductile Iron Wet Barrel Fire Hydrants, Break-Check Valves and Modular Bury products to complete the Hydrant offering.

Hydro-Guard®

Hydro-Guard systems use modern technologies, including SCADA compatibility, to monitor water quality in distribution piping and automatically initiate flushing to maintain disinfectant residuals as required by the local regulating authority. This system improves customer satisfaction by helping avoid taste and odour issues, while requiring minimal supervision by utility personnel. On average, one Hydro-Guard Automatic Flushing System can save as much as 8 million litres of water and more than US \$7,000 annually compared to traditional Hydrant flushing methods.

Mueller Systems®

Mueller Systems offers a complete line of metering solutions, including both Automated Meter Reading (AMR) and Advanced Metering Infrastructure (AMI) systems that offer onsite hourly consumption data to effectively manage water and energy usage and improve customer disputes. Our systems are flexible and scalable, allowing utilities to upgrade as needs and budgets permit.

Echologics®

Echologics works with Water Utilities around the Globe to efficiently and cost-effectively reduce non-revenue water (NRW), improve water conservation, prioritize capital spending, better understand water infrastructure, and pinpoint leaks on pipes of all sizes and materials. Our core technology accurately detects leaks and assesses the structural condition of water pipes without breaking ground or disrupting service—a capability that is especially helpful as Water Utilities confront the challenges of repairing and replacing their aging water infrastructure.

U.S. Pipe® Valve & Hydrant

U.S. Pipe Valve & Hydrant Fire Hydrants and Gate Valves have been in use in the US and around the World for over 100 years.

Gate & Butterfly Valves



C-500 Metal Seat



C-515 Resilient Seat



F14



F3



F15

Metal & Resilient Seat Gate Valves

The Pratt® Gate Valve range includes both Metal Seat for Wastewater and Resilient Seat for Potable Water applications. Metal Seat Valves meet AWWA C-500, and Resilient Seat Valves are available meeting AWWA C-515 and ISO EN-1074 in Series 3, 14 & 15 face-to-face laying lengths. All Ductile Iron construction, with Fusion Bonded Epoxy Coating (Liquid Epoxy on Metal Seat), Stainless Steel Stems, EPDM Seat for Resilient and Bronze Seat for Metal Seat versions. Other Gate Valve types and configurations are available. Please contact us for details.



XR-70 Triton



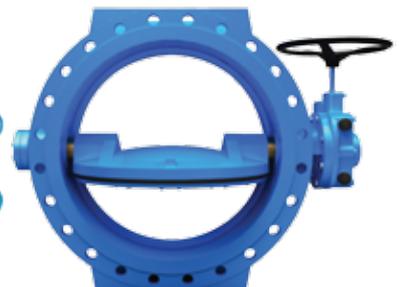
150B



Groundhog®



BF Series Industrial



ISO-DE

Potable Water Butterfly Valves

With the development of the first rubber seated butterfly valve more than 70 years ago, the Pratt® name became the most trusted in the flow control industry, setting the standard for product quality and customer service. Pratt Butterfly Valves are available in a wide range of sizes from DN50/2" to more than DN4000/168". Pratt specialty Valves are also available, further details on request.

Wastewater Plug Valve & Flood Control Gate Valves



Rectangular Port
Plug Valve

Round Port
Plug Valve

Small Bore
Plug Valve

Balancing
Plug Valve

3-Way
Plug Valve

Wastewater Plug Valves

Milliken® & Pratt® Plug Valves are available with various accessories, controls and actuators. These valves are used primarily in the Water, Wastewater and Industrial markets. A market leading, wide selection of Plug Valves is available for most Water, Wastewater and Industrial applications: Eccentric Plug Valves from DN15/1/2" to DN1800/72" with pressure ratings up to 17barg/1725kPa/250psig, and Multiport 3-way Valves from DN80/3" to DN400/16".



Flap Gate



Cast-Iron Penstock Gate



Heavy-Duty Fabricated Slide Gate

Penstock Gate Valves

No matter what type of Penstock Gate your project demands, Hydro Gate® products can be designed and built for your specific application. Our product offering is vast and can suit applications for a wide variety of industries. Choose from Cast or Ductile Iron Slide or Flap Gates, Fabricated Slide or Flap Gates, Rectangular Butterfly Valves, Stop-Logs, Wall Thimbles, Lifts and accessories. From standard configurations to custom designs, Hydro Gate Water control Valves and Actuators meet your specific application.

Knife Gate & Air Valves



Fig. 53 Resilient Seat



Fig. 63 Polymer Lined



Fig. 65 Urethane Lined



Fig. L77 Lined Resilient Seat



Fig. 77 Stainless Steel Resilient Seat

Resilient Seat Knife Valves

Pratt® resilient seated Knife Gate Valves range in size from DN50/2" to DN600/24", in Ductile Iron or Stainless Steel. These valves are built to our exacting standards.



Fig. 93 Stainless Steel Metal Seat



Fig. L93 Lined Metal Seat



Fig. 82 Slide Gate



Fig. 193 Bonneted Knife Gate

Metal Seat Slide Gate and Bonneted Knife Valves

Pratt® metal seated Knife Gate Valve products range in size from DN50/2" to over DN2400/96". Our dedicated staff has many years of combined experience in building Knife Gate Valves, and provide only the highest quality valves possible. Built with heavy duty body and yoke to prevent bending or twisting under extreme loads, our line of metal seated valves can be manufactured in any 300 series Stainless Steel, Alloy 20, 254 SMO, Hastelloy, Titanium, Monel or Inconel, and also available as Bonneted or Slide Gate Valves.



Series WAR 01



Series WAR 02



Series WAR 03



Series WAV 01



Series WAV 02



Series WAV 03

Air Valves

Pratt AirPro Max® Air and Air/Vacuum Release Valves are designed to vent trapped air that collects at high points in a pipeline. Air Valves continuously release air from systems, preventing formation of air pockets which can cause damaging pressure surges in the system. AirPro Max® Air/Vacuum Valves are high capacity vent and intake Valves for filling a system or to prevent vacuum collapsing a pipe in the event of rapid emptying. Available for both Potable Water and Wastewater systems.

Check Valves and Dry & Wet Barrel Fire Hydrants



RD Series® Flexible Disc
(FlexCheck)



AWWA Series 9001
with Air Cushion



AWWA Series 9001
with Outside Lever & Weight



Series 740A
Double Disk



Series 720A
Compact Wafer-Silent

Check Valves

Pratt® Check Valves are manufactured for multiple Water and Wastewater applications. Pratt Swing Check Valves are available with Lever & Spring, Lever & Weight and Air or Oil Cushion Damping. Pratt Flex Check Valve is manufactured with no rotating or exposed metallic parts, making it suitable for a wide range of applications. Pratt Tilting Disc Check Valves and Wafer Style Check Valves are also available for Industrial applications.



Mueller® Super Centurion®
Dry Barrel



Mueller® Monitor Style
Dry Barrel



Jones® Wet Barrel



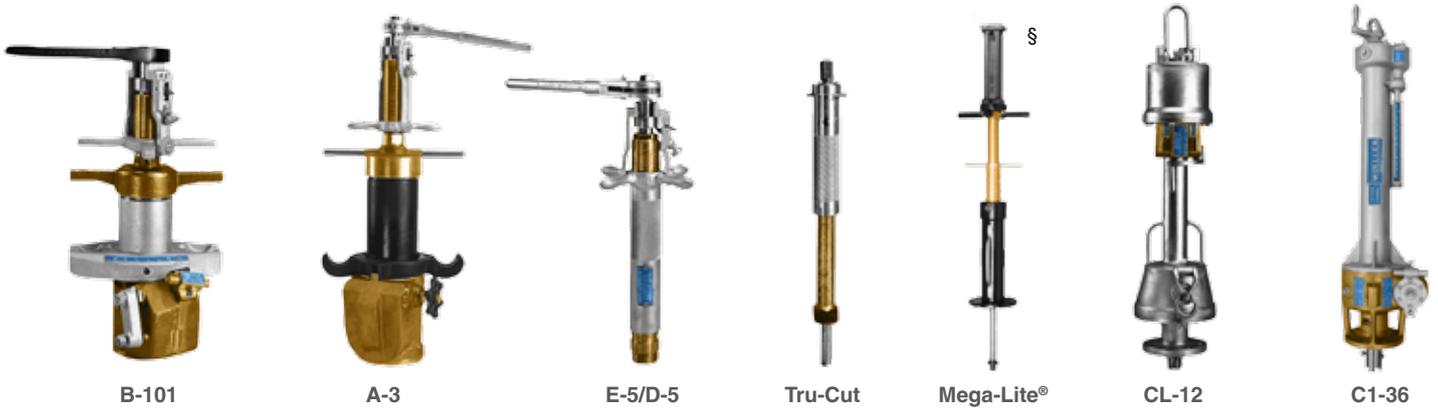
Jones® Monitor Style
Wet Barrel

Dry and Wet Barrel Fire Hydrants

Mueller® Dry Barrel Fire Hydrants include: Super Centurion 250 and 350 Fire Hydrants (to 24barg/2400kPa/350psig); Super Centurion Monitor Fire Hydrants (17barg/1725kPa/250psig), and Modern Centurion Fire Hydrants (17barg/1725kPa/250psig). Mueller Fire Hydrants are known throughout the World for superior flow characteristics, dependability, ease of repair, and aftermarket support. They feature a unique Stainless Steel Safety Stem coupling that breaks cleanly during traffic impact to minimize hydrant damage and allow quick and cost-effective repair. Spin-in, flush, and post-type Hydrants and accessories are also available.

With over 100 years of experience, Jones® Bronze and Ductile Iron Wet Barrel Hydrants feature high product quality, design, engineering, and customer service. Ideal for non-freezing climates, our Wet Barrel Hydrants are reliable, easy to use and aesthetically pleasing.

Machines & Tools, Brass, and Pipe Repair Products



Machines & Tools

Mueller Co. manufactures both small and large Drilling Machines for use on dry or pressurized pipe of all types. Small Drilling Machines can drill holes DN15/1/2" to DN80/3" and are available in hand and power operated models, with Drills and Shell Cutters matched to pipe type. Drilling & Tapping Machines are used to tap Water service lines with virtually any type and size of pipe. Products feature rugged design, with proven precision and dependability for superior everyday performance. Both dry install and underpressure application models are offered. Machines range from DN15/1/2" to DN50/2" Corporation Valve insertion. Options available for Air, Hydraulic or Electric power operation.



Service Brass

Mueller Co. manufactures one of the broadest product ranges of Service Brass for Water service connections to Distribution mains, Service lines and Water Meters. The product range consists of Brass Service Pipe Fittings, Corporation Stops, Curb Valves, Meter Valves and Meter Setters. Products feature durable, Low-Lead Brass construction, with a wide variety of available connection options, including the Mueller 110® and Grip compression, Insta-Tite®, Copper Flare, and Pack Joint. Typical sizes range from 3/4"/DN20 to 2"/DN50. All products are manufactured and tested in accordance with AWWA/ANSI C800. Components in contact with potable water also comply with the US Federal Safe Drinking Water Act.



Ductile Iron Service Saddles (Single Strap: 17barg/250psig; Double Strap: 34barg/500psig)

Stainless Steel Repair Clamps (20barg/300psig)

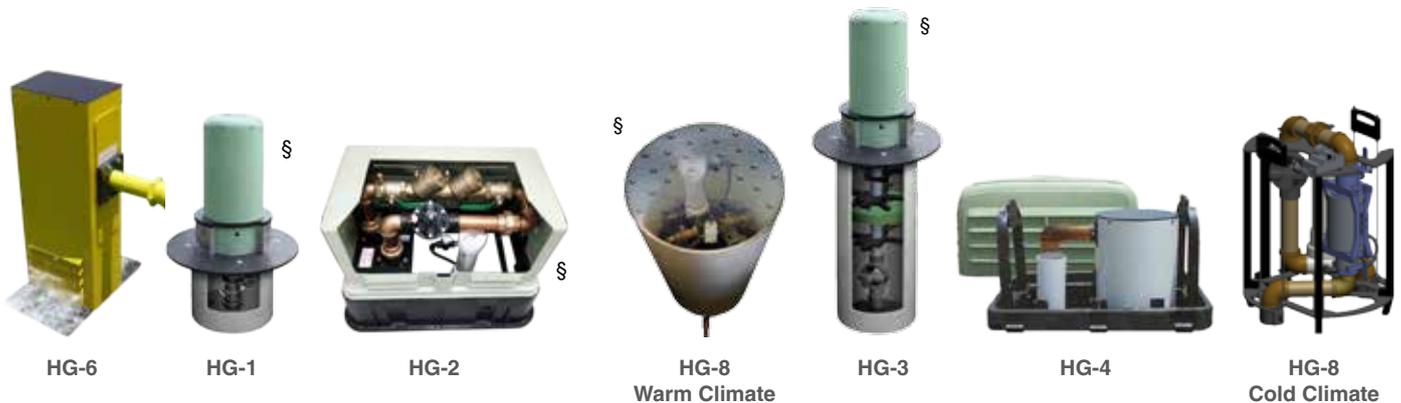
Pipe-Saver® Clamps (24barg/350psig)

Stainless Steel Tapping Sleeves (17barg/250psig)

Pipe Repair Products

Mueller® Pipe Repair Products are the right choice for emergency repair of Water main or Service Line breaks and leaks. For making line connection, Mueller Co. offers service saddles in Bronze, Ductile Iron, and Stainless Steel. Mueller all-Stainless Steel Pipe Repair Clamps are an ideal solution for emergency repair of Water main or Service Line breaks and leaks. Mueller Co. offers Finger-Lug or Ductile Iron Lug styles. Sizes DN15/1/2" to DN900/36" and larger. Tapping products include Tapping Sleeves and Crosses in Ductile and Cast Iron and Stainless Steel. Most Tapping Sleeves and Crosses cover a Pipe size range up to DN600/24".

Hydro-Guard® Automated Flushing Systems, Sample Stations & Remote Pressure Monitoring



Automatic Flushing Systems

The Hydro-Guard product line revolutionized the Water Distribution industry in 1998 with the introduction of automatic, programmable flushing systems. Designed to allow public and private Water distribution Utilities to maintain more consistency in the level of chlorine residual in water distribution lines, especially at the dead-end, the Hydro-Guard® automatic flushing system utilizes a time-based schedule to flush when water usage is traditionally lower or when the residual level is at its lowest.

Temporary (Portable)

Hydro-Guard HG-6 automatic flushing system takes automatic and programmable flushing capabilities anywhere in the water distribution system where a fire hydrant is available. It's portable and adjustable so it can be connected to the hose nozzle of any brand of fire hydrant. It is the perfect solution for temporary or emergency flushing needs.

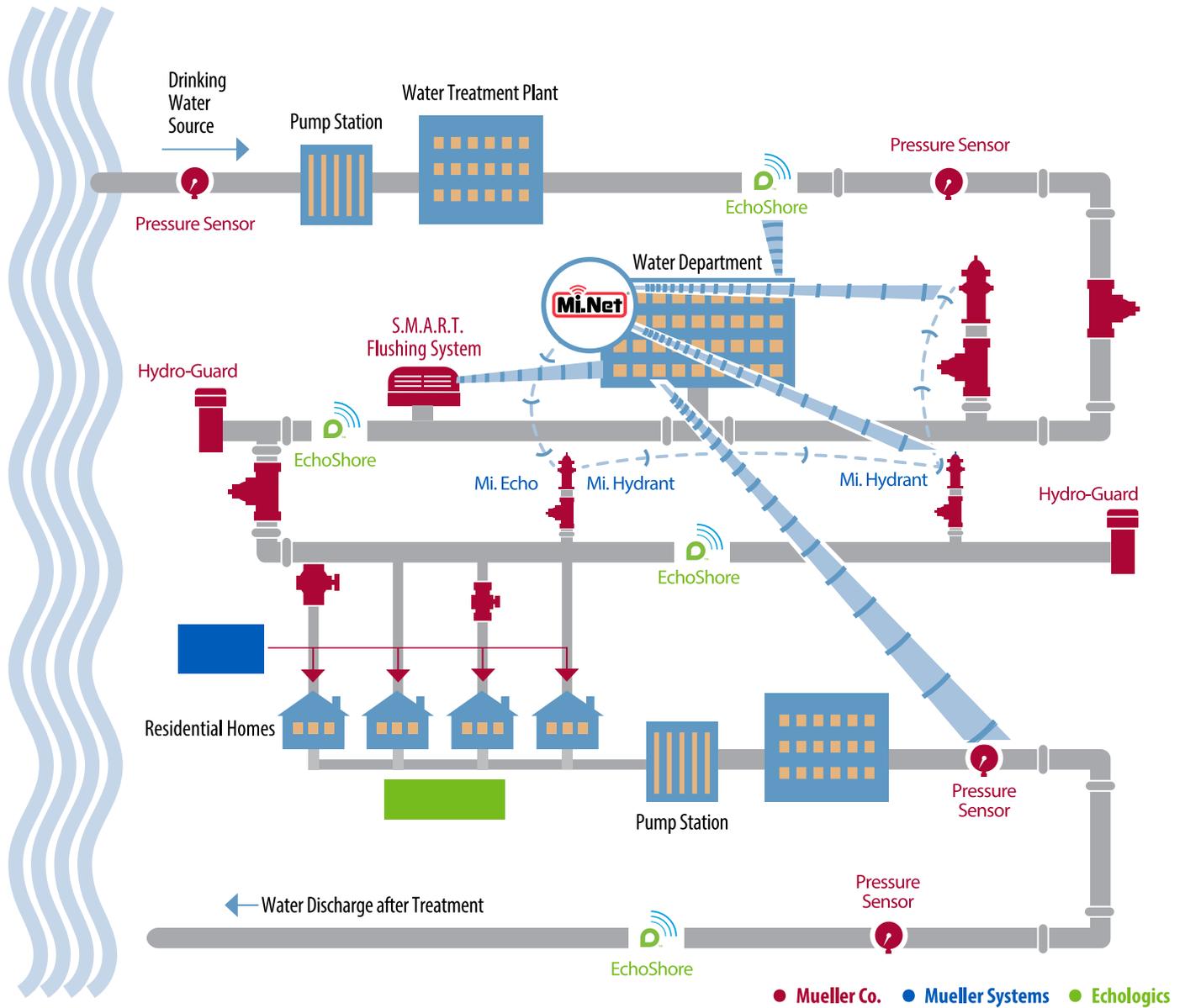
Permanent

Hydro-Guard permanent flushing systems fully automate the process for flushing water distribution lines. The units can be designed to operate reliably in warm, moderately cold, and cold climates. Designed for use with an integrated multi-event programmer, Hydro-Guard systems can flush a water line multiple times per day, seven days per week, with flush durations ranging from one minute to four hours per program. Water can be discharged atmospherically or direct into a pond or storm sewer.



Remote Pressure Monitoring System

The Remote Pressure Monitoring System from Mueller Co. is a user friendly and cost-effective technology to continuously and remotely monitor pressure at any point within a potable water distribution system. The technology involves threading a sensor onto a corporation valve to transmit pressure readings. The pressure sensor, reports at user-defined intervals via cellular service and a Mueller-hosted secure web server.



This diagram is for illustrative purposes only

For more information visit www.intelligentwatertechnology.com

What is Intelligent Water Technology?

Intelligent Water Technology is our full line of innovative solutions, products and services that actively diagnose, monitor and control the delivery of safe, clean drinking Water to consumers and businesses while ensuring Water Utilities optimize their investments. It's about delivering information for smart decisions concerning your Water infrastructure now and into the next century. It's providing data that helps operators reduces non-revenue Water and optimize infrastructure investments from main to meter.

Mueller SYSTEMS[®] Intelligent Water Technology is residential, fire line and commercial meters, AMR / AMI systems, remote disconnect metering (RDM), and related products from Mueller Systems. It's the Mi.Echo[®] system, the Mi.Hydrant Collector, and the Mi.Net[®] system. It's our ability to provide Utilities with the infrastructure technology needed to optimize operations and ensure the sustainability of our Water resources. By building on our expertise in Water management, we help Water and Electric utilities better manage their operations and energy resources.

echologics[®] Intelligent Water Technology is our ability to accurately detect leaks and assesses the structural condition of Water pipes without breaking ground or disrupting service. It's EchoShore[®] and ePulse[®] technology. It's the Echologics team who measure how quickly acoustic signals are transmitted along a section of pipe to help Water Utilities decide where and when to repair and/or replace their aging Water infrastructure.

Mueller Co.

Reliable Connections™

1857

Hieronymus Mueller arrives in Decatur, IL and opens a business

1872

Water/Gas main Tapping Machine patent is issued; threaded Corporation Valves introduced

1900

Patent was issued for Water/Gas main Service Clamp

1926

First rubber seated Butterfly Valves are introduced

1959

O-ring sealed Oriseal® Water Valves became available

1969

Mueller 110® compression connection is patented

1989

Albertville, AL Plant produced 1 millionth Fire Hydrant and declared Hydrant "Capital of the World"

1993

Chattanooga, TN and Albertville, AL plants certified ISO 9001

1996

Henry Pratt Company and James Jones Company became Mueller Co. subsidiaries

2002

Hydrant-Defender® security device introduced

2003

Mueller acquired Milliken Valve®

2004

Mega-Lite® Drilling Machine introduced

2006

Mueller Water Products, Inc., the parent company of Mueller Co. became a publicly traded company.

2010

Hersey Meters changed name to Mueller Systems Corporate Headquarters for Mueller Co. is relocated from Decatur, IL to Chattanooga, TN

2011

Echologics® advanced leak detection and Hydro-Guard® automatic flushing systems became part of Mueller Co.

2012

Mueller Technology Center opened in Chattanooga, TN

2013

QR tags added to Fire Hydrants

2014

Mueller acquired Lined Valve Company, adding Knife Gate Valves to its product line.

2014

Mueller introduces the 350psi Super Centurion® Fire Hydrant and Resilient Wedge Gate Valve. Remote Pressure Monitoring System is introduced.

2016

Mueller Co. opens Middle East sales office



Delivery & Service

The capacity to deliver the widest array of products and stand behind those products to assure your satisfaction is our strength. The success of Mueller Co. is dependent upon the success of those who are involved, both inside and outside our company. Therefore, we feel our future is wholly dependent on long-term relationships with our employees, customers and suppliers. This is why we strive to be proactive and responsive to their needs, always looking for a “better way”. It’s an approach that has set us apart since 1857 and will ensure our mutual achievement and prosperity in the future.

Mueller Co. distributors inventory extensive stocks, helping to assure ready availability. Mueller Co. sales representatives, strategically located around the world, are always ready to provide application and installation assistance and help with any special issues.



- Mueller Sales and Customer Service
- ▲ Mueller Operations
- ▲ Affiliate Operations

Follow Us:



For more information about Mueller Co. or to view Mueller Co.'s full line of water products, please visit www.mueller-international.com or call +1 432 490 9555 or your local number as listed below.



International Division
6125 Preservation Drive, Suite 200
Chattanooga, TN37416, USA
www.mueller-international.com
International@muellercompany.com

Customer Service: +1 432 490 9555
UK Office: +44 1438 487410
Singapore Office: +65 6816 3088
Dubai Office: +971 4 214 6640

Copyright © 2016 Mueller Co., LLC. All Rights Reserved.

The trademarks, logos and service marks displayed in this document herein are the property of Mueller Co., LLC, its affiliates or other third parties. Products above marked with a section symbol (§) are subject to patents or patent applications. For details, visit www.mwppat.com. These products are intended for use in potable water applications. Please contact your Mueller Sales or Customer Service Representative concerning any other application(s).

Form 12979 - Rev 12/16