



**VALVE &  
HYDRANT**

# UL/FM FIRE PROTECTION PRODUCTS

Setting the Standard



**MUELLER**



**VALVE &  
HYDRANT**



POWER



INDUSTRIAL



OIL & GAS



CHEMICAL

## COMPANY OVERVIEW

We are a leader in high-quality commercial and institutional fire protection products, offering a broad range of carefully designed, durable, reliable and easily maintained fire protection products compliant to UL/FM requirements. Plus, all U.S. Pipe Valve & Hydrant products are backed by the company's expert technical support, superior service, and ready parts availability. U.S. Pipe Valve & Hydrant UL/FM fire protection products set the standard for performance and reliability year after year. U.S. Pipe Valve & Hydrant products are available through Authorized Stocking Distributors in all parts of the United States, and are sold around the world through qualified distributors and representatives. U.S. Pipe Valve & Hydrant flow control and fire protection products are used in the building and maintenance of infrastructure. This includes Power, Institutional, Oil & Gas, Chemical and more.



## CORE VALUES

We have 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

# FIRE HYDRANTS

U.S. Pipe Valve & Hydrant Fire Hydrants are known throughout the fire protection industry for superior flow characteristics, dependability, ease of repair, and aftermarket support. Metropolitan®/M-94 and Sentinel® hydrants are manufactured in our ISO 9001 facility in Albertville, Alabama, USA and are backed by a 10-year limited warranty on materials and workmanship.



SENTINEL 250™ FIRE HYDRANT



M-94/METROPOLITAN FIRE HYDRANT



MUELLER CENTURION® MONITOR STYLE FIRE HYDRANT

## SENTINEL 250 AND M-94/METROPOLITAN HYDRANT FEATURES

- Ductile iron bonnet features no bolts to disassemble
- Anti-friction bearing made of tough, wear-resistant polymer for easy operation
- Sealed lubricant reservoir is a closed system, where all-temperature grease coats the stem threads, thrust collar, an anti-friction bearing
- Large, smooth radius hose and pumper openings on upper barrel reduce friction loss and promote full flow; threaded-in hose and pumper nozzles are field-replaceable
- Two-piece standpipe coupling design uses two bolts to connect upper and lower standpipes
- Reversible compression-type main valve closes under pressure for tight seal; provides a convenient replacement (Sentinel hydrant only)
- Meets or exceeds all applicable parts of AWWA C502 & C550, UL246 and FM1510
- 10-year limited warranty
- Inlet connections: Flanged, Mechanical Joint, D-150 Mechanical Joint, and Slip-On
- Pressure rating: Up to 250psig/17barg

## MUELLER CENTURION® MONITOR STYLE HYDRANT FEATURES

- Eliminates possible leak path with separate monitor nozzle attachment
- Full flow 4-way openings: 4" monitor elbow, one 4½" pumper nozzle and two 2½" hose nozzle
- Integral monitor mounting allows easier monitor nozzle hook-up

# GATE VALVES & CHECK VALVES

U.S. Pipe Valve & Hydrant Resilient Wedge Gate Valves feature a forged bronze stem and thrust collar (through 16") for superior strength, an elastomer-encapsulated ductile iron wedge and engineered polymer guides to stabilize the wedge and prevent binding. Connection options include: mechanical joint (MJ), flanged (FL), slip-on (SL), grooved (GR), radial compression (RAD), and threaded (THD). Styles: NRS, PIV, and OS&Y.

U.S. Pipe Valve & Hydrant UL-listed and FM-approved check valves are gravity operated, swing check design. These check valves are rugged in construction and simple in design.



350 PSI POST INDICATOR RESILIENT WEDGE GATE VALVE (PIV) (P-USP1)



OS&Y RESILIENT WEDGE GATE VALVE (R-USP1)



SWING CHECK VALVE

## GATE VALVE FEATURES

- 100% encapsulated wedge with extended wedge guides
- Polymer guide cap bearings on wedge guides resist wear and provide easy operation
- Smooth, oversized, unobstructed flow way provides superior flow characteristics; reduces pumping costs
- Mueller Pro-Gard® fusion bonded epoxy coating
- Bi-directional flow
- 10-year limited warranty
- Pressure ratings: A-USP1/P-USP1/R-USP1 (4" - 12" - DN100 - DN300) = 350psig/24barg; R-USP1 (14" - 16"/DN350 - DN400) = 250 psig/17barg; R-USP1 (18" - 24") = 175 psig
- UL Listed (2" - 24"/DN50 - DN600); FM Approved (2" - 16"/DN50 - DN400)

## CHECK VALVE FEATURES

- Removal of all parts through the top of the valve, without removing the valve from the line
- Directional arrow leaves no doubt of flow direction
- Check valves bossed on both sides of the body for connecting bypasses and are bossed at the bottom under inlet end to allow drain valve attachment; tapping is optional
- Check valves available with either rubber or bronze disc facings
- Pressure ratings: 2½" - 12"/DN65 - DN300 = 200psig/12barg

# INDICATOR POSTS

U.S. Pipe Valve & Hydrant Indicator Posts are used in fire protection systems and perform several functions. The Indicator Post provides a means to operate a buried or otherwise inaccessible valve. Also, the Indicator Post readily and clearly indicates whether the valve is open or shut.



WALL-TYPE INDICATOR POST  
(U-20814 4" - 16")



ADJUSTABLE INDICATOR POST  
(U20806 4" - 14", U20807 16" - 24")

## INDICATOR POST FEATURES

- Easy to see targets indicates whether the valve is open or closed
- Designed to withstand up to 900 lb-ft/1220Nm of operating torque
- Unique operating wrench design makes indicator post tamper-proof
- Designed to operate 4"/DN100 through 24"/DN600 post indicator valves, requiring 14 to 75 turns, respectively, to open
- For trench depths from 1' - 4"/400mm to over 17feet/5000mm.
- All styles have a cast boss on the upper barrel tapped with 1/2 NPT to allow for optional supervisory switch installation
- UL Listed (4" - 24"/DN100 - DN600); FM Approved (4" - 14"/DN100 - DN350)

# AUTOMATIC CONTROL VALVES

## MUELLER AUTOMATIC CONTROL VALVES

We design and manufacture Automatic Control Valves for the Global Water Industry. Since 1957, our Pilot operated Diaphragm Control Valves have been installed on every Continent around the World. Whether it is Water Loss Management in Southeast Asia, Water conservation in the Middle East and Africa, Urban Distribution System demands in North America and Europe or Fire Protection Pressure Control Management in Australasia or Latin America, we provide Water Management solutions to Governments, Utility Companies and Fire Protection and Waterworks Contractors around the World.

### 1 AISI STAINLESS STEEL COMPONENTS

Our AISI 316 stainless steel spring and stem are corrosion resistant. The AISI 316 stainless steel seat ring is guaranteed for the life of the valve.

### 2 REMOVABLE STEM CAP

The removable, separate stem cap reduces bent stems, which reduces inspection and assembly time.

### 3 STAINLESS STEEL EXTERNAL FASTENERS

Stainless steel external fasteners prevent corrosion, reducing maintenance.

### 4 SMALLER, LIGHTER COVER

Smaller, lighter cover improves worker safety and reduces maintenance.

### 5 REMOVABLE BONNET

Bonnet removes easily thanks to locating-pin technology.

### 6 ANTI-VIBRATION FASTENERS

Stainless steel anti-vibration fasteners create a dependable maintenance-free seat.

### 7 EXTRA THREADED TAPS

Extra threaded taps on main valve allow for easy re-orientation of pilot system.

### 8 OVERSIZED WRENCH FLAT

Accessible oversized wrench flat means easy disassembly of inner valve.

### 9 ROLLING DIAPHRAM DESIGN\*

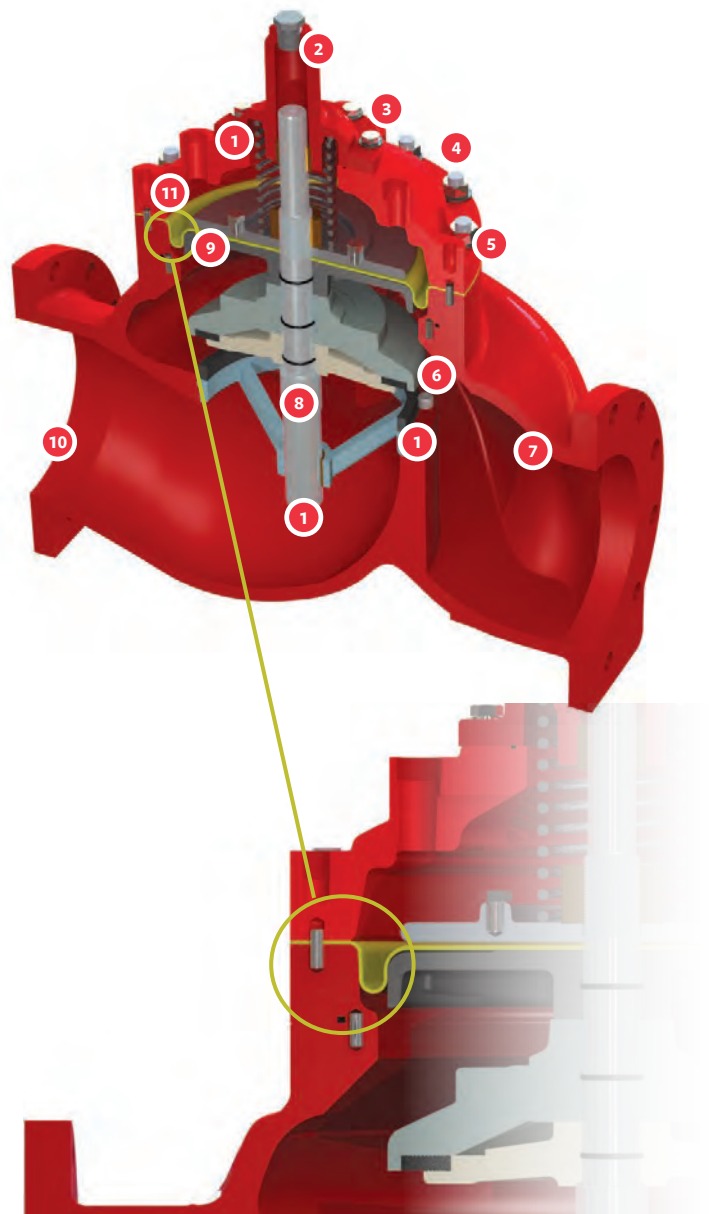
Exclusive rolling diaphragm design offers unequalled low flow stability.

### 10 FUSION EPOXY COATING

Coated inside and outside for improved flow and resistance.

### 11 EPDM/BUNA-N ELASTOMER DIAPHRAM

EPDM/Buna-N elastomer diaphragm is chlorine and chlormine resistant.



\*Not available in all size/model combinations. Consult with us.

# AUTOMATIC CONTROL VALVES

## MUELLER AUTOMATIC CONTROL VALVES

With the 2017 acquisition of Singer Valve, Automatic Control Valves for the Global Water and Fire Protections Industries are now part of the product offering. Since 1957, our Pilot operated Diaphragm Control Valves have been installed on every Continent around the World. Whether it is Water Loss Management in Southeast Asia, Water conservation in the Middle East and Africa, Urban Distribution System demands in North America and Europe or Fire Protection Pressure Control Management in Australasia or Latin America, we provide Water Management solutions to Governments, Utility Companies and Waterworks Contractors around the World.



GROOVED ENDS



ELECTRONICALLY OPERATED  
DELUGE VALVE



PNEUMATICALLY OPERATED REMOTE  
CONTROL DELUGE VALVE



ELECTRO/PNEUMATICALLY  
OPERATED DELUGE VALVE



FLOW ALTITUDE CONTROL VALVE



PRESSURE REDUCING VALVE



UL/FM PRESSURE RELIEF VALVE



PRESSURE RELIEF VALVE



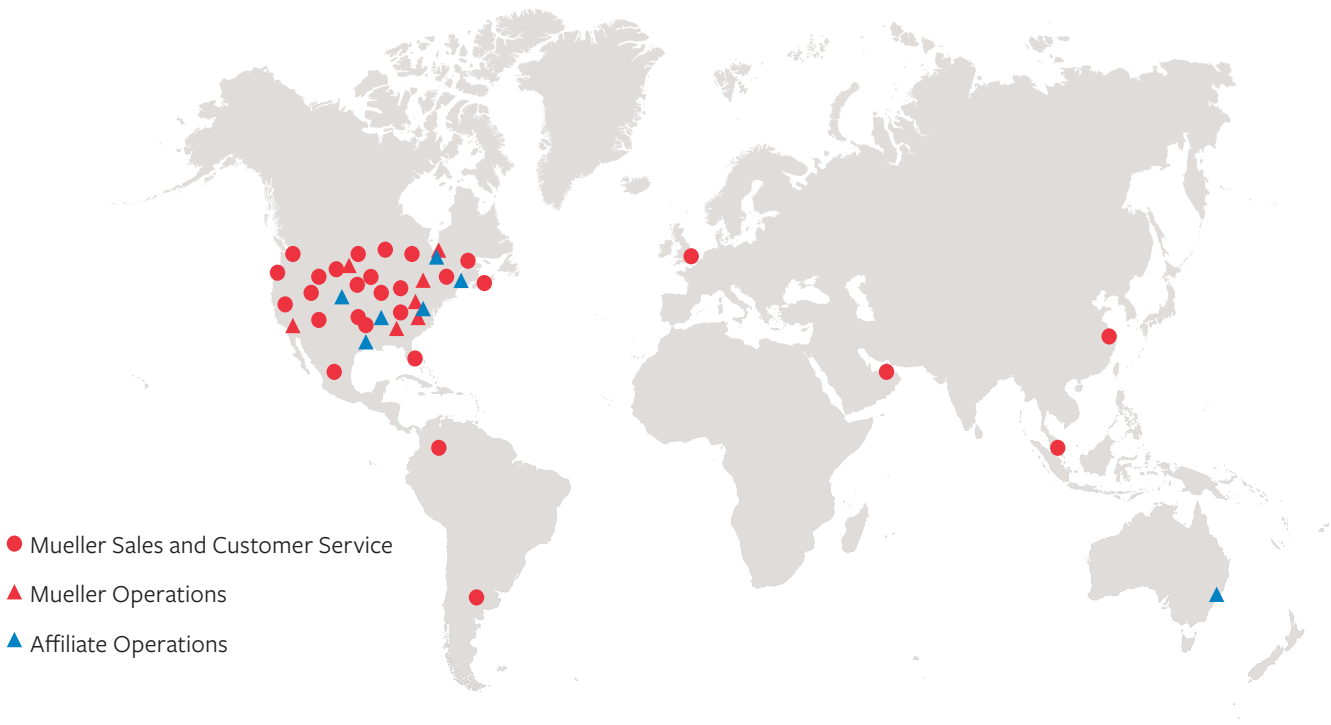
PRESSURE CONTROL VALVE

## OUR PRODUCTS

Mueller manufactures U.S. Pipe Valve & Hydrant Fire Hydrants and Gate Valves, as well as a variety of other Water distribution and Fire protection products. Our Valves and Hydrants are manufactured in the United States at plants specifically designed to make only these products. These plants are ISO 9001 certified, your assurance they operate under the highest quality standards.

## OUR PEOPLE

The International Division serves as an extension of the factories operated by Mueller 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. We look forward to working with you.



**For more information about us, or to view our full line of products, please visit [www.mueller-international.com](http://www.mueller-international.com) or call International Customer Service at:**

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