



# Mueller® 300™ Ball Valves

Industry-leading 300psi low lead ball valves

**Mueller Co.**

Reliable Connections™

# Mueller® 300™ Ball Valves

Your assurance of quality, dependable ball valves

## The ball valve designed for 300 psig working pressure

Before designing this comprehensive line of ball valves, we looked at the needs of the marketplace. We studied existing designs to see how well those needs were being met. And, most importantly, we asked valve users across the country what they wanted in a ball valve.

The result is the Mueller® 300™ Ball Valve, a comprehensive line of valves with distinct features which set them apart from the competition.

Mueller ball valves are available in corporation, curb, service, in-line meter and angle meter styles, with a full selection of connection options, including Mueller 110® Compression Connections.

## Consider these special advantages of Mueller ball valves:

- 300 psig working pressure—the highest in the industry, far exceeding AWWA standards; 300 psig working pressure allows your system to grow and handle increased pressures.
- Longevity—designed for strength and durability, especially at the critical ball-to-stem connection.
- Blow-out-proof stem—prevents stem ejection and assures reliability.
- True bi-directional flow capability in all styles.
- Quarter-turn check is located under the valve cap. Location and strength of material around the check help prevent breakage or leaks should over-torquing occur.
- The enlarged cap on curb valves is easy to locate and turn in the curb box or pit. The cap's sloping shoulders shed dirt to aid operating wrench engagement.

## Mueller stands for quality and service

Our priority is manufacturing quality, dependable, competitively priced products—products that install properly, perform as expected and are easy to maintain.

Every ball valve we make is tested before shipment to verify performance. Our nationwide network of distributors has a thorough knowledge of the waterworks industry.

Add a network of Mueller field sales and customer service representatives, and you are assured that assistance is always available should you need it.



## Corporation Ball Valves

Mueller® corporation ball valves offer reliable service, and are available with either CC or iron pipe thread inlets specially matched to Mueller drilling and tapping tools to assure leak-tight installation. Corporation ball valves are easy to install and require no adjustment for easy turning.

### Sizes

- Sizes: 3/4", 1", 1-1/2", 2".

### Connection combinations:

- Inlets: CC, IP.
- Outlets: Mueller 110® Compression Connections for either CTS tubing or IPS pipe, copper flare, pack joint (CTS, PEP, PVC), Mueller Grip, and male and female iron pipe thread.



## Curb Ball Valves

You can specify a Mueller® curb ball valve with the confidence it will provide years of trouble-free service without replacement or special attention, helping to control rising maintenance costs. Mueller curb valves offer premium quality, long-term durability, dependability and performance. Valves are available with or without a lockwing. Stop and draw option available.

### Sizes and Connections

- Sizes: 3/4"\*\*, 1"\*\*, 1-1/2", 2".
- Inlet/outlet connection combinations: Mueller 110® Compression Connections for either CTS tubing or IPS pipe, copper flare, pack joint (CTS, PEP, PVC), Mueller Grip, and male and female iron pipe thread.
- The Minneapolis-pattern top thread is available on curb ball valves in sizes 3/4" through 2". Curb boxes are designed to thread onto Minneapolis-pattern curb ball valves, producing a rigid assembly. (Threads are notched to allow water to drain from box).



## In-line Meter and Service Ball Valves

Mueller® in-line meter ball valves may be specified for all types of commercial and residential meter installations. They are easy to operate and offer reliable performance over many years.

### Sizes and Connections

- Meter sizes (outlets): 5/8", 5/8" x 3/4" or 3/4", 1", 1-1/2", 2". Up to 1" are meter swivel nut; 1-1/2" and 2" are two-bolt meter flange.
- Inlet sizes: 3/4"\*\*, 1"\*\*, 1-1/2", 2".
- Inlet/outlet connection combinations: Mueller 110 Compression Connections for either CTS tubing or IPS pipe, copper flare, pack joint (CTS, PEP, PVC), Mueller Grip, male and female iron pipe thread, meter swivel nut, and two-bolt meter flange.
- Many different lengths of FIP x flare and FIP x FIP styles especially suited for retro-fit applications are available. Contact your authorized Mueller Distributor, Mueller Sales Representative, or Customer Service Center for more information.



## Angle Meter and Service Valves

Mueller® angle meter ball valves utilize a unique design that provides effective sealing, with flow from either direction. A second valve may be installed downstream from the meter, allowing meter changeouts without pit flooding.

These valves are also available on Mueller® copper meter yokes. Critical centerline-to-end dimensions of the angle meter ball valve are the same as the Mueller ground key angle meter stops, assuring interchangeability of existing meter installations.

### Sizes and Connections

- Meter sizes (outlets): 5/8", 5/8" x 3/4" or 3/4", 1", 1-1/2", 2". Up to 1" are meter swivel nut; 1-1/2" and 2" are two-bolt meter flange. Flanges are double-drilled to accept either 1-1/2" or 2" meters.
- Inlet sizes: 3/4"\*\*, 1"\*\*, 1-1/2", 2".
- Inlet/outlet connection combinations: Mueller 110® Compression Connections for either CTS tubing or IPS pipe, copper flare\*\*\*, pack joint (CTS, PEP, PVC), Mueller Grip, and male and female iron pipe thread.



## Handles

Angle and straight lever handles are available (straight in choice of two lengths) to fit both 3/4" and 1" meter valves. A handle coded with the industry standard color for reclaimed water is also available.



## Options

Mueller curb, meter and service valves are available with full port, or reduced port in selected sizes. They are regularly furnished with a quarter-turn check—contact the Mueller Customer Service Center to order optional 360° turn valves. Larger curb valves may be ordered with an integral 2" square wrench nut as an option (a 2" nut is also available as a separate piece that can be pinned to the existing valve cap).

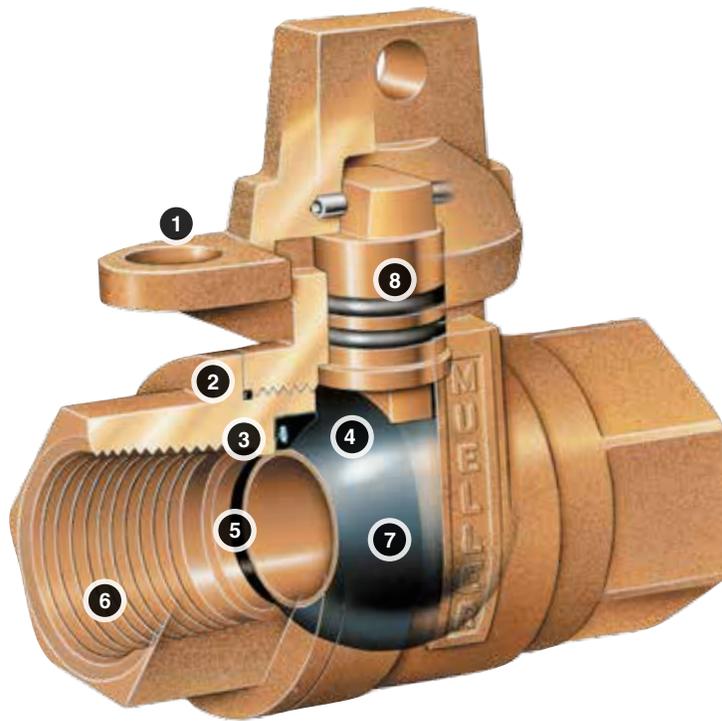
Mueller® 300™ Ball Valves are available in both angle and in-line styles for use on Mueller® cast iron meter bars (with lock nut outlet), and on Mueller cast iron meter yoke boxes. Angle valves are also offered in an extensive selection of Mueller Copper Meter Yokes and Resetters, and in Mueller® Meter Boxes. Refer to the Mueller Water Distribution Products Catalog for full details, or contact a Mueller Co. Representative.

\* Check the Mueller Water Distribution Products catalog or contact Mueller Co. Customer Service for the availability of specific size and connection combinations.

\*\* Available in reduced port style.

\*\*\* Available with FIP outlet option in selected sizes.

# Designed and manufactured to meet your needs



## 1 Lockwing

(when equipped on meter valve) accepts bullet lock.

## 2 O-ring

Ensures a positive seal under full flow and pressure.

## 3 Stainless steel reinforced seat gaskets

Assure reliable seal under full flow and pressure.

## 4 Stem/ball connection

Optimized for strength to resist shearing or twisting.

## 5 Straight-through design

Of in-line valves allows maximum flow and minimum pressure loss.

## 6 Full thread depth

On FIP ends (meets ANSI/AWWA C800 standard).

## 7 Fluorocarbon coated ball

Ensures smooth operation.

## 8 Double-stem O-rings

Supported in machined grooves for secure, leak-tight operation.

## Additional Features

- 300 psig working pressure rating.
- Quarter-turn valves feature strong checks.
- Checkless 360° rotation available.
- Wetted components are constructed of low lead brass for strength and durability (meets ASTM and AWWA standards).
- Lever handles available.
- Blow-out-proof stem design prevents separation and ensures dependability and safety.
- Mueller® ball valves are suitable for use as test valves on backflow preventers (in compliance with Notice 89-001 of F.C.C.C. and H.R., which requires blow-out-proof stems).
- Swivel nut on 3/4" and 1" meter valves; flange on 1-1/2" and 2" meter valves.



## Our Products

Mueller Co. has built its reputation on producing innovative water distribution products of superior quality – a reputation that is literally “on the line” every day throughout the world. Mueller Co. products and those of its affiliates are used throughout the water system...from the source to the consumer. And we are committed to continuing research and development of new products and services to meet the growing needs of the water infrastructure industry. Mueller Co. is the largest and only full-line supplier of potable water distribution products in North America and its markets continue to expand globally.

## Our People

The capacity to deliver the widest array of products and stand behind those products to ensure 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 assure our mutual achievement and prosperity in the future.

*For more information about Mueller Co. or to view Mueller Co.’s full line of water products, please visit [www.muellercompany.com](http://www.muellercompany.com) or call Mueller Co. Customer Service at 1.800.423.1323.*

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## Other Innovative Mueller Products

### B-101™ Drilling and Tapping Machine

The B-101 Machine is designed for hand or power operation. It will drill and tap a main under pressure or dry, insert or extract corporation valves up to 1" and pipe plugs to 2 1/2". It can be used on all pipe from 2" through 48", including plain and cement lined cast iron or ductile iron, PVC, asbestos-cement and steel. A special mechanism on the B-101 Machine permits the boring bar to be locked to the feed yoke. This prevents the drill from spiraling into the hole before the cut has been completed, and the tool cannot drop to the threaded portion and cause breakage.



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