

MUELLER CO. offers a full range of meter setting products including cast iron meter yokes, cast iron meter boxes, angle meter valves, straight meter valves, meter couplings, MUELLER[®] EZ Setter[™] Meter Box, MUELLER Thermal-Coil[™] Meter Box, MUELLER EZ-Vault[™] Meter Setter, ASSE approved dual check valves and copper meter yokes.

MUELLER Copper Meter Yokes are available in a wide variety of styles and in sizes to fit 5/8" thru 2" meters. These yokes are designed to speed installation and removal of meters, and to absorb service line stresses. The combination of styles, sizes and options allows MUELLER Copper Meter Yokes to meet your meter yoke needs.

All service brass will comply with AWWA C-800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.



- Manufactured and tested in accordance with all applicable parts of AWWA C800.
- MUELLER CO. uses only lead free solder .
- Castings are made of brass.
- Every copper meter yoke is pressurized with air while under water to assure there is no leakage.
- Styles include horizontal inlet and outlet, vertical inlet and outlet, straight line, corner type, basement type, meter relocater, tandem, and setters for 5/8" thru 2" meters.
- All styles are available with either integral M.I.P, integral F.I.P. or integral multi-purpose thread ends.
- Meter saddle nuts are regularly furnished to speed installation or removal of the meter.
- Copper meter yoke options include lockwing MUELLER[®] 300[™] Ball Angle Meter Valve, lockwing ground key angle meter valves, ASSE approved dual check valves, dual check valves (ASSE non-approved), top entry check valves, test valve and a wide selection of end connections.

Copper meter yoke optional fittings



**Lockwing
MUELLER 300
Ball Angle
Meter Valve**



**Lockwing
ground key
angle meter valve**



Test valve



**Top entry dual check
valve (dual angle
check also available;
not shown)**



**Meter yoke
connections**

Rev. 4-01 Shaded area indicates changes

8A - COPPER YOKES

MUELLER[®] Cast Iron Meter Yoke


- Cast iron yoke bar has strong I-beam cross-section.
- Four separate yoke bar sizes fit 5/8", 5/8"x3/4", 3/4" and 1" meters.
- Optional yoke bars with prong feature for added stability when using plastic service pipe or tubing.
- Easy-turning brass expansion handwheel has O-ring for positive sealing.
- Brass lock nut speeds hand assembly of valves and couplings to yoke.
- Lock nut allows adjustment of valves and couplings to accommodate a wide variation of service line routing.
- Rubber gaskets are confined inside lock nuts to assure positive sealing.
- Shut-off valves include the MUELLER[®] 300TM Ball Valve, the MUELLER MARK II ORISEAL[®] Valve and the MUELLER Ground Key Angle Meter Stop.
- Top-entry, angle and in-line dual check valves are available.
- A wide variety of straight or angle couplings and connections adapt the yoke to different piping arrangements.
- Angle outlet coupling is available with optional test valve.

8B - C.I. YOKES

8C - C.I. BOXES

MUELLER Cast Iron Meter Boxes


- Lid, upper section, and base are constructed of cast iron for strength and durability and are coated for corrosion resistance.
- Upper section available in either 7" or 9" heights.
- Groove on integrally cast ribs of upper section anchors box when installed in concrete walk or drive.
- Choice of locking or non-locking lids.
- Choice of straight or angled inlet valve.
- A wide variety of end connections adapt the meter box to different piping arrangements.
- Inlet valve and outlet part have a saddle feature that allows for fast and easy meter installation.
- Base section has holes to allow drainage of the box.
- Box is designed to keep out dirt, debris, small animals and rodents.
- A dual check valve is available as an option for all MUELLER boxes.
- Specially designed wrench is used to unlock tamper resistant lid and operate inlet valve.
- Inlet valve available in inverted key or ball valve.

8D - VALVES/CHECKS

8E - COUPLINGS/MISC.

8F - PVC BOXES/VALTS

ANGLE METER - MUELLER® 300™ BALL VALVE

The MUELLER 300 Ball Angle Meter Valve is an optimized design combining a strong, reliable ball/stem connection with other desirable features, including a blow-out-proof stem, double O-rings and a 300 psig working pressure rating.

These valves are also available on MUELLER

Copper Meter Yokes. Critical centerline to end dimensions of the MUELLER 300 Ball Angle Meter Valve are the same as the MUELLER Ground Key Angle Meter Stops assuring interchangeability of existing meter installations.

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MUELLER 300 Ball Angle Meter Valve



- ❑ QUARTER TURN CHECK - is integrally cast on body to assure positive action. Checkless 360° turn or clockwise-to-open are available as options.
- ❑ LOCKWING - accepts bullet lock.
- ❑ OPTIMIZED KEY TO BALL CONNECTION - provides strong, reliable performance and resists breakage.
- ❑ FLUOROCARBON COATED BALL ensures smooth, easy turning operation.
- ❑ END CONNECTIONS - include copper flare, MUELLER 110® Compression Connection, Pack Joint Connection and F.I.P. thread.
- ❑ MANUFACTURED AND TESTED - in accordance with ANSI/AWWA C800 standard.
- ❑ FULL THREAD DEPTH - and drill depth on F.I.P. thread ends (meets ANSI/AWWA C800 standard).
- ❑ LEVER HANDLES - are available as optional items.
- ❑ 300 PSIG - maximum working pressure.
- ❑ DOUBLE O-RING SEALS - are supported in precision machined grooves and provide secure, leak-tight sealing.
- ❑ BLOW-OUT PROOF STEM DESIGN - prevents separation and assures dependable, safe operation.
- ❑ STAINLESS STEEL REINFORCED SEAT O-RING - assures reliable seal under full flow and pressure.
- ❑ RUBBER SEAT - is nitrile (BUNA -N) rubber for long life.
- ❑ SADDLE FEATURE - on meter swivel nut speeds installation and removal of meter. Plain meter swivel nut is available on request.
- ❑ FULL ROUNDWAY - provides straight-through flow (reduced port available).

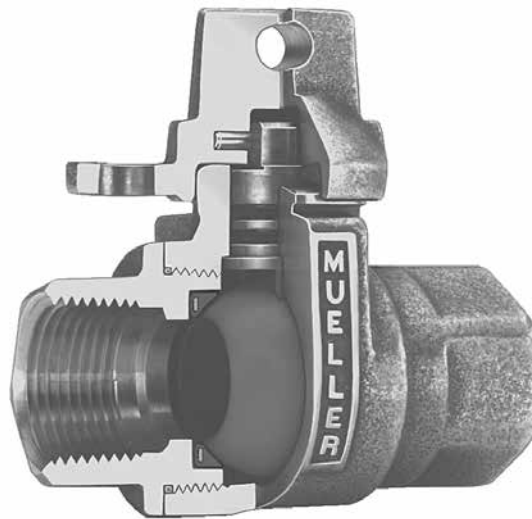
Rev. 4-14 Shaded area indicates changes

The MUELLER 300 Ball Valve is an optimized design combining a strong, reliable ball/stem connection with other desired features, including a

blow-out-proof stem, double O-rings and a 300 psig working pressure rating. The design offers true bi-directional (two way) flow.

All service brass will comply with AWWA C-800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

MUELLER 300 Ball Meter Valve



- BLOW-OUT-PROOF STEM DESIGN - prevents separation and assures dependable, safe operation.
- LOCKWING - accepts bullet lock.
- OPTIMIZED KEY TO BALL CONNECTION - provides strong, reliable performance and resists breakage.
- RUBBER SEATS - are nitrile (BUNA-N) rubber for long life.
- FULL ROUNDWAY - provides straight-through flow (reduced port available).
- MANUFACTURED AND TESTED - in accordance with ANSI/AWWA C800 standard.
- FLUOROCARBON COATED BALL - ensures smooth, easy turning operation.
- HEAVY BRASS COMPONENTS - constructed of brass for strength and durability.
- 300 PSIG - maximum working pressure.
- LARGE OPERATING HEAD - is blind pinned to stem.
- QUARTER TURN CHECK - is integrally cast on body to assure positive action. Checkless 360° turn or clockwise-to-open options are available.
- DOUBLE O-RING SEALS - are supported in precision machined grooves and provide secure, leak-tight sealing.
- FULL THREAD DEPTH - and drill depth on F.I.P. thread ends (meets ANSI/AWWA C800 standard).
- END CONNECTIONS - include copper flare, MUELLER 110[®] Compression Connection, Pack Joint Connection, F.I.P. thread, meter swivel nut and meter flange.
- STAINLESS STEEL REINFORCED SEAT O-RINGS - assures reliable seal under full flow and pressure.

MUELLER CO. offers a full range of service line dual check valves. These valves are available in angle or in line styles and can be used on copper meter yokes, cast iron meter yokes, cast iron meter boxes or in custom meter installations.

Dual check valves are used to prevent the backflow of possibly contaminated water into the potable

water system and also prevents hot water back-up damage to meter parts. Dual check valves also prevent meter box flooding during meter changes. The MUELLER design features dual, independently acting poppet valves, easy accessibility to internal parts, and low flow loss to meet or exceed the requirements of ASSE 1024 standard.

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MUELLER® M-98™ Top Entry Vertical Check



- ❑ TOP ENTRY DESIGN - easy access or removal of the poppets for field or shop testing.
- ❑ CHOICE OF CONNECTIONS - meter swivel nut with saddle feature, also available with lock nut for iron meter bar. Outlets include MIP, FIP, copper flare, MUELLER 110® Compression, Pack Joint.
- ❑ DUAL ACETAL PLASTIC CHECK MODULES - independently acting, with stainless steel springs and elastomeric seals. Reliability without chattering, vibration or causing water hammer.
- ❑ 175 PSIG - maximum working pressure, 180°F temperature rating.
- ❑ TOP MOUNTED TEST DRAIN - available as an option.
- ❑ ASSE APPROVED - complies with ASSE Standard 1024 and AWWA 800.

MUELLER® Angle Dual Check Valve



- ❑ DUAL ACETAL PLASTIC VALVES - with natural rubber sealing gaskets. ASSE valves are independently acting.
- ❑ CHOICE OF INLET CONNECTIONS - include meter swivel nut with saddle feature and meter flange with dual drilling for 1-1/2" or 2" meters for all dual check valves. Inline style dual check valves are also available with M.I.P. or F.I.P. thread.
- ❑ CHOICE OF ASSE APPROVED or non-approved dual check valves in many styles and sizes.
- ❑ STAINLESS STEEL SPRINGS - resist corrosion and assure long, trouble free performance.
- ❑ 175 PSIG - maximum working pressure, 180F temperature rating.
- ❑ ACCESS CAP - on all MUELLER Dual Check Valves provides quick access to internal parts for inspection or replacement.
- ❑ O-RING - seals access cap.
- ❑ HEAVY BRASS COMPONENTS - constructed of brass for strength and durability.



Reliable Connections[™]

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