

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.

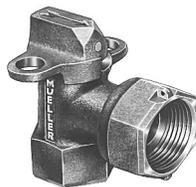


- ❑ Manufactured and tested in accordance with all applicable parts of AWWA C800.
- ❑ MUELLER CO. uses only lead free solder .
- ❑ Castings are made of ASTM B62 (85-5-5-5) brass.
- ❑ Every copper meter yoke is pressurized with air while under water to assure there is no leakage.
- ❑ Styles include horizontal 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**

## Lid Frame



Lid frames are used when boxes are installed in concrete or asphalt

Frame Part No.	Lid Size Opening	Box Dia. Frame Fits
700097	15"	15" & 18"
700098	18"	18" 21" 24" & 27"

NOTE: The frame adds 4" of height to the meter box.

## Flat lid with side mounted standard waterworks pentagon nut lock



Lid Part Number	Lid Size
282924	15"
282925	18"

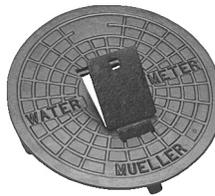
## Flat lid--no lock



Lid Part Number	Lid Size
790007	15"
790018	18"

NOTE: These lids cannot be used with lid frames

## Flat lid with side mounted key lock and reader lid



Lid Part Number	Lid Size
282922	15"
282923	18"

## Flat lid with side mounted key lock



Lid Part Number	Lid Size
282926	15"
282927	18"

## Flat lid with side mounted standard waterworks pentagon nut lock and reader lid



Lid Part Number	Lid Size
282876	15"
282877	18"

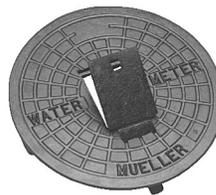
## Flat lid with center mounted MUELLER pentagon nut lock



Lid Part Number	Lid Size
780068	15"
780069	18"

NOTE: These lids cannot be used with lid frames

## Flat lid -- no lock with reader lid



Lid Part Number	Lid Size
282920	15"
282921	18"

## Composite Meter Lid



Shown with Optional Lock

Lid Part Number	Lid Size
311954	15" - 5lbs.
311955	18" - 7lbs.

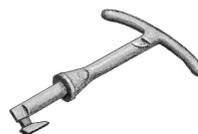
Made of tough, engineered composite material. Light in weight yet strong (H-20 traffic rating). Integral mounting terminals for R.F. metering. Specify options on order: side lock; reclaimed water marking.

## Lid keys



H-10820

H-10820 Multiple wrench-fits both MUELLER pentagon and standard waterworks pentagon nuts. Not furnished with boxes-order separately.



790241

790241 Key handle - fits "key" lock lids and is used to unlock and lift lid. Not furnished with boxes - order separately.

Touch Read feature is available. Contact Customer Service Center for price and availability.

# MUELLER® / HUNT METER BOX SETTER LIDS



# 8F.9

Rev. 9-09

## Thermal shells



Thermal shells are meter setter boxes only and do not include any fittings. The shells are available with a "V" notch option to allow service lines access to shell interior.

## Insulating pad



Insulating pads are available in 2" and 4" thicknesses. These pads are made from a closed cell foam poly material that provides excellent insulating qualities and resists moisture absorption.

Meter setter box diameter	2" Thick pad	4" Thick pad
15"	790162	790022
18"	790163	790153
21"	-	790119
24"	790164	-
27"	-	790058

Catalog number		Diameter X depth	Catalog number		Diameter X depth
Shell	Shell with "V" notch		Shell	Shell with "V" notch	
SO1512	SV1512	15"X12"	SO2122	SV2122	21"X22"
SO1514	SV1514	15"X14"	SO2124	SV2124	21"X24"
SO1516	SV1516	15"X16"	SO2126	SV2126	21"X26"
SO1518	SV1518	15"X18"	SO2128	SV2128	21"X28"
SO1520	SV1520	15"X20"	SO2130	SV2130	21"X30"
SO1524	SV1524	15"X24"	SO2136	SV2136	21"X36"
SO1526	SV1526	15"X26"	SO2142	SV2142	21"X42"
SO1528	SV1528	15"X28"	SO2148	SV2148	21"X48"
SO1530	SV1530	15"X30"	SO2154	SV2154	21"X54"
SO1812	SV1812	18"X12"	SO2160	SV2160	21"X60"
SO1814	SV1814	18"X14"	SO2424	SV2424	24"X24"
SO1816	SV1816	18"X16"	SO2426	SV2426	24"X26"
SO1818	SV1818	18"X18"	SO2428	SV2428	24"X28"
SO1820	SV1820	18"X20"	SO2430	SV2430	24"X30"
SO1822	SV1822	18"X22"	SO2436	SV2436	24"X36"
SO1824	SV1824	18"X24"	SO2442	SV2442	24"X42"
SO1826	SV1826	18"X26"	SO2448	SV2448	24"X48"
SO1828	SV1828	18"X28"	SO2454	SV2454	24"X54"
SO1830	SV1830	18"X30"	SO2460	SV2460	24"X60"
SO1836	SV1836	18"X36"	SO2724	SV2724	27"X24"
SO1842	SV1842	18"X42"	SO2730	SV2730	27"X30"
SO1848	SV1848	18"X48"	SO2736	SV2736	27"X36"
SO2112	SV2112	21"X12"	SO2742	SV2742	27"X42"
SO2114	SV2114	21"X14"	SO2748	SV2748	27"X48"
SO2116	SV2116	21"X16"	SO2754	SV2754	27"X54"
SO2118	SV2118	21"X18"	SO2760	SV2760	27"X60"
SO2120	SV2120	21"X20"			

## Meter setter box extensions



Meter setter box extensions are made from the same material and has the same wall thickness as the shell it will be set on. The lower end of the extension has guides attached to keep the extension properly centered. The top of the extensions are prepared to accept lids as illustrated on page 8F.10\*.

Meter setter box dia.	Extension length					
	2"	4"	6"	8"	10"	12"
15"	SE1502	SE1504	SE1506	SE1508	SE1510	SE1512
18"	SE1802	SE1804	SE1806	SE1808	SE1810	SE1812
21"	SE2102	SE2104	SE2106	SE2108	SE2110	SE2112
24"	SE2402	SE2404	SE2406	SE2408	SE2410	SE2412
27"	SE2702	SE2704	SE2706	SE2708	SE2710	SE2712

\* NOTE: Specify the lid part number to be used with the extension ordered.

## MUELLER / Hunt EZ-VAULT Meter Setter ordering instructions

To order a MUELLER / Hunt EZ-VAULT Meter Setter, simply choose the options you require from the seven categories listed below and place the option code on the appropriate line of the catalog number shown below.

If you require options not listed, please fill out the information box shown below the options listing and contact the factory for price and delivery information.

Phone 1-800-821-3553 or fax 1-615-895-7686.

### Catalog number

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_ (6) \_\_\_\_\_ (7) \_\_\_\_\_

#### 1 Meter Size

NOTE: Meter is **not furnished**

Order meter separately.

Meter size	Code number
1-1/2"	500
2"	550

#### 5 Meter inlet type

Meter inlet	Code number
Flanged lockwing angle meter stop	L
Flanged lockwing angle ball valve (full port)	F

#### 2 Box style

Box style	Code number
Single meter	VS
Single meter with by-pass	VB

#### 6 Meter outlet type

Meter outlet	Code number
Flanged meter coupling	A
Flanged dual check valve	B
Flanged lockwing angle stop meter	L
Flanged lockwing angle ball valve (full port)	F

#### 3 Box diameter

Box diameter	Code number
<b>24" box is for use with:</b> 1-1/2" single flanged meter with or without by-pass	24
<b>27" box is used with:</b> 2" single flanged meter with or without by-pass	27

#### 7 Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

#### 4 Box depth

Depth	Code number	Depth	Code number
30"	30	48"	48
36"	36	54"	54
42"	42	60"	60

### Special requirements order information

Please specify special requirements and include drawing or photo if possible:

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Above box shown with optional lid ring and lid and is sectioned to illustrate valves and fittings.

The MUELLER / Hunt EZ-VAULT Meter Setters provide a means to quickly install a 1-1/2" or 2" meter. The EZ-VAULT permits cities and water companies to standardize larger meter sets increasing convenience and efficiency during construction. The factory pre-aligned setter is stabilized to prevent shifting during backfilling. This makes it easier and more efficient to install or change out meters at a later time. The EZ-VAULT Meter Setter eliminates on-site fabrication and construction, saving time, material and labor costs.

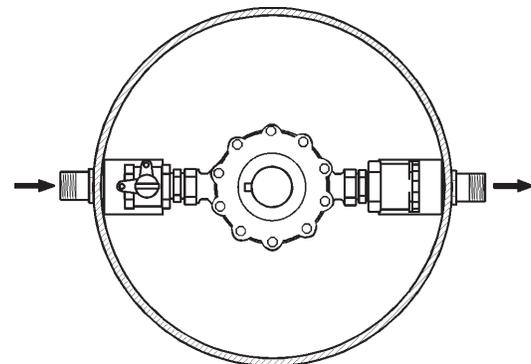
MUELLER / Hunt EZ-VAULT Meter Setters are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

The MUELLER / Hunt EZ-VAULT Meter Setter is available for 1-1/2" and 2" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set the way you want it. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.8 for ordering instructions.

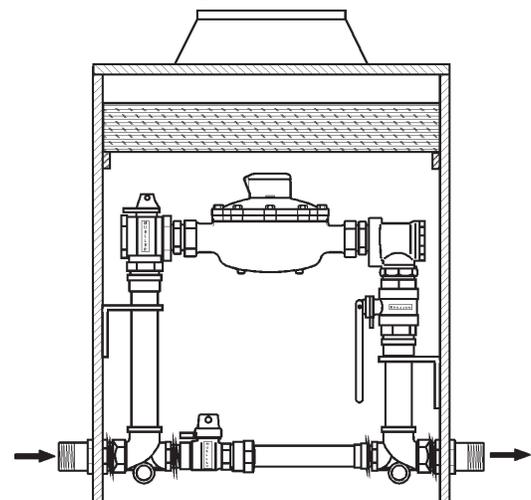
Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

## MUELLER / Hunt EZ-VAULT Meter Setter Features

- ❑ Rigid .486 minimum wall PVC material holds shape and resists frost bridging
- ❑ Lightweight - can be handled by one man in most cases
- ❑ White interior aids visibility
- ❑ PVC brackets attached to shell stabilize brass meter risers
- ❑ For 1-1/2" and 2" meters
- ❑ Optional insulation pad traps earth's heat
- ❑ Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- ❑ Optional aluminum bottom available
- ❑ 150 psig maximum working pressure



Typical Installation



## MUELLER / Hunt Riser EZ-SETTER Meter Box ordering instructions

To order a MUELLER / Hunt Riser EZ-SETTER Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

If the box you need is a tandem type, please fill out the tandem information box shown below the options listing and contact the factory for price and delivery information. Phone 1-800-821-3553 or fax 1-615-895-7686.

### Catalog number

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_ (6) \_\_\_\_\_ (7) \_\_\_\_\_

### Options

**1** Meter size  
NOTE:  
Meter is **not** furnished.  
Order meter separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

**5** Meter inlet type

Meter inlet	Code number
Lockwing angle meter stop	L
Lockwing angle ball valve ( full port )	F
Lockwing angle ball valve ( reduced port )	R

**2** Box style

Box style	Code number
Single meter	RS
Double meter	RD
Tandem	RT

**6** Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve	B
A.S.S.E. Dual check	S
A.S.S.E. Top entry vertical check	V
Lockwing angle meter stop	L
Lockwing angle ball valve ( full port )	F
Lockwing angle ball valve ( reduced port )	R

**3** Box diameter

Box diameter	Code number
18" box is for use with: 5/8, 5/8x3/4, 3/4, 1 single meters 5/8, 5/8x3/4, 3/4 tandems 5/8, 5/8x3/4 or 3/4 double meters	18
21" box is used with: 1 tandems	21"

**7** Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

**4** Box depth

Depth	Code number	Depth	Code number
14"	14	21"	21
15"	15	22"	22
16"	16	23"	23
17"	17	24"	24
18"	18	25"	25
19"	19	26"	26
20"	20		

**8** Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

### Tandem box order information

Type of tandem device (regulator, backflow preventer etc) \_\_\_\_\_  
 Size \_\_\_\_\_ and length \_\_\_\_\_ of tandem device  
 Tandem device manufacturer's name \_\_\_\_\_ Tandem device model number \_\_\_\_\_

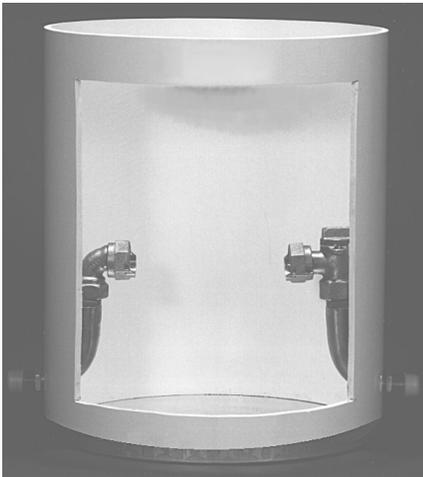
NOTE: Tandem device is **not** furnished and must be ordered separately.

# MUELLER® / HUNT RISER EZ-SETTER® METER BOX

**Mueller Co.**

**8F.5**

Rev. 9-09



Above box shown with optional aluminum bottom and is sectioned to illustrate valve and fitting.

The MUELLER / Hunt Riser EZ-SETTER Meter Box provides a means to quickly install a meter. To make the meter more accessible in deeper boxes, the meter is set on a riser which positions it closer to ground level. The Riser EZ-SETTER comes pre-assembled, tested and ready to install. These meter boxes can also be ordered for double meter sets or tandem sets for meter and regulator or meter and backflow preventer.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist "frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth, to keep the meter set from freezing.

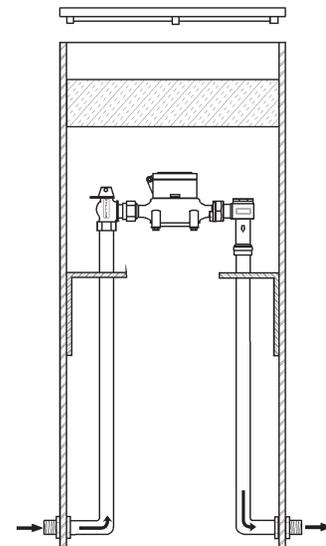
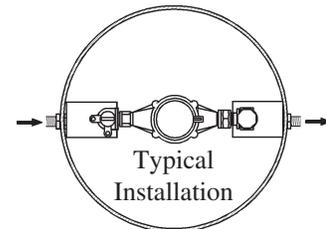
MUELLER / Hunt Riser EZ-SETTER Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

MUELLER / Hunt Riser EZ-SETTER Meter Boxes are available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set that you want. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.6 for ordering instructions.

Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

## MUELLER / Hunt Riser EZ-SETTER Meter Box Features

- Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- Optional insulation pad traps earth's heat
- White interior aids visibility
- Meter set is anchored to meter box wall to maintain alignment and stability
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- Optional aluminum bottom available
- Large selection of optional lids



8F-PVC/BOXES/VAULTS

## MUELLER / Hunt Inline EZ-SETTER Meter Box ordering instructions

To order a MUELLER / Hunt Inline EZ-SETTER Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

Contact the factory for price and delivery information for double and tandem type boxes and other options not listed. Phone 1-800-821-3553 or fax 1-615-895-7686.

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_ (6) \_\_\_\_\_ (7) \_\_\_\_\_ (8) \_\_\_\_\_

### Options

**1** Meter size  
NOTE:  
Meter is **not** furnished and must be ordered separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

**5** Meter inlet type

Meter inlet	Code number
Lockwing meter valve	L
Lockwing ball valve ( full port )	F
Lockwing ball valve ( reduced port )	R

**2** Box style

Box style	Code number
Single meter	ID

**6** Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve *	B
A.S.S.E. Dual check valve *	S
Lockwing meter valve *	L
Lockwing ball valve ( full port ) *	F
Lockwing ball valve ( reduced port ) *	R

**3** Box diameter

Box diameter	Code number
15" box with meter coupling outlet for use with: 5/8, 5/8x3/4 single meters	15
18" box with meter coupling outlet for use with: 3/4, 1 single meters	18
18" box with lockwing meter valve or dual check valve outlet for use with: 5/8, 5/8x3/4 or 3/4 single meters	18
21" box with lockwing meter valve or dual check valve outlet for use with: 1 single meters	21

**7** Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

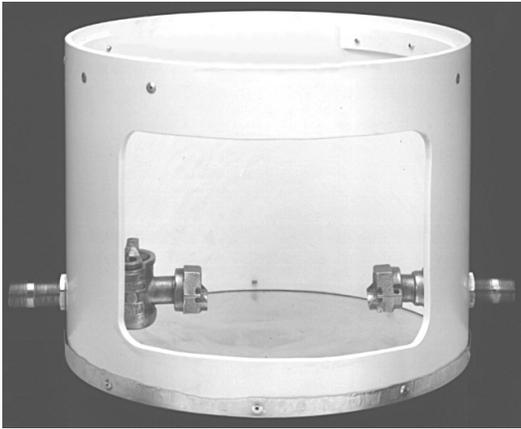
**4** Box depth

Depth	Code number	Depth	Code number
10"	10	15"	15
11"	11	16"	16
12"	12	17"	17
13"	13	18"	18
14"	14		

**8** Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

\* These meter outlet types may require using larger size box. Contact MUELLER Customer Service Center for more details.



Above box shown with optional aluminum bottom and is sectioned to illustrate internal valve and fitting.

The MUELLER / Hunt Inline EZ-SETTER Meter Box provides a means to quickly install a shallow set meter. The in-line EZ-SETTER comes pre-assembled, tested and ready to install. These meter boxes can also be ordered for double meter sets or tandem sets for meter and regulator or meter and backflow preventer.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist "frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth, to keep the meter set from freezing.

MUELLER / Hunt Inline EZ-SETTER Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

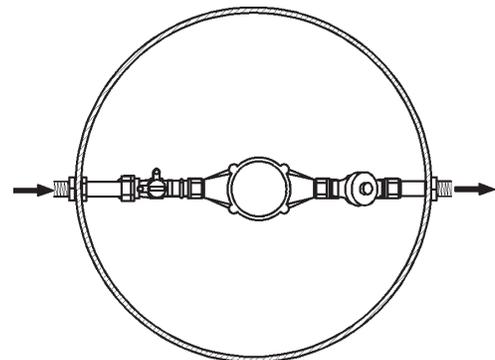
The MUELLER / Hunt Inline EZ-SETTER Meter Box is available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set that you want. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.4 for ordering instructions.

Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

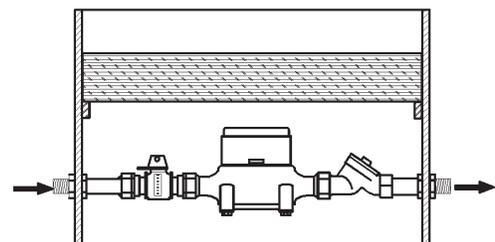
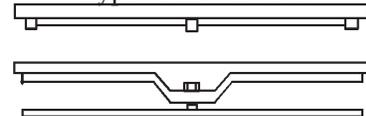
## MUELLER / Hunt Inline EZ-SETTER Meter Box Features

- Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- Optional insulation pad traps earth's heat
- White interior aids visibility
- Meter set is anchored to meter box wall to maintain alignment and stability
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings – see section 6
- Optional aluminum bottom available
- Large selection of optional lids

### MUELLER Valves and Couplings used in these meter



Typical Installation



## MUELLER / Hunt THERMAL-COIL Meter Box ordering instructions

To order a MUELLER / Hunt THERMAL - COIL Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

If the box you need is a tandem type, please fill out the tandem information box shown below the options listing and contact the factory for price and delivery information. Phone 1-800-821-3553 or fax 1-615-895- 7686.

### Catalog Number

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_ (6) \_\_\_\_\_ (7) \_\_\_\_\_ (8) \_\_\_\_\_

### Options

**1** Meter size  
NOTE: Meter is **not** furnished. Order meter separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

**5** Meter inlet type

Meter inlet	Code number
Lockwing angle meter stop	L
Lockwing angle ball valve (full port)	F
Lockwing angle ball valve (reduced port)	R

**2** Box Style

Box style	Code number
Single meter	CS
Double meter	CD
Tandem	CT

**6** Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve	B
A.S.S.E. Dual check valve	S
A.S.S.E. Top entry vertical check	V
Lockwing angle meter stop	L
Lockwing angle ball valve (full port )	F
Lockwing angle ball valve ( reduced port)	R

**3** Box diameter

Box diameter	Code number
<b>15" box is for use with:</b> 5/8, 5/8x3/4 or 3/4 single meters 5/8, 5/8x3/4 or 3/4 tandems *	15
<b>18" box is for use with:</b> 1" single meters 1" tandems 5/8, 5/8x3/4 or 3/4 double meters	18

**7** Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

**4** Box depth

Depth	Code number	Depth	Code number
30"	30	66"	66
36"	36	72"	72
42"	42	78"	78
48"	48	84"	84
54"	54	90"	90
60"	60	96"	96

**8** Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

### Tandem box order information

Type of tandem device (regulator, backflow preventer etc) \_\_\_\_\_  
 Size \_\_\_\_\_ and length \_\_\_\_\_ of tandem device  
 Tandem device manufacturer's name \_\_\_\_\_ Tandem device model number \_\_\_\_\_

\* NOTE: Tandem device is not included and must be purchased separately. ALSO, 3/4" tandems systems when used with certain regulators may need to be placed within a 18" box; list the regulator model when specifying this system. If an ASSE check valve or ball valve is being used in a 3/4" setting then an 18" meter box will be required.

# MUELLER® / HUNT THERMAL-COIL® METER BOX

**Mueller Co.**

**8F.1**

Rev. 9-09



The MUELLER / Hunt THERMAL-COIL Meter Box provides a means to allow a meter to be read and maintained even though it is set deep in the ground to resist freezing. The THERMAL-COIL Meter Box is designed with the meter installed on a platform that normally sets near the bottom of the box where the ground temperature keeps it warmer. The meter and platform are connected to the service line by coils of polybutylene tubing which allow the meter and platform to be raised to the surface.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth inside the box.

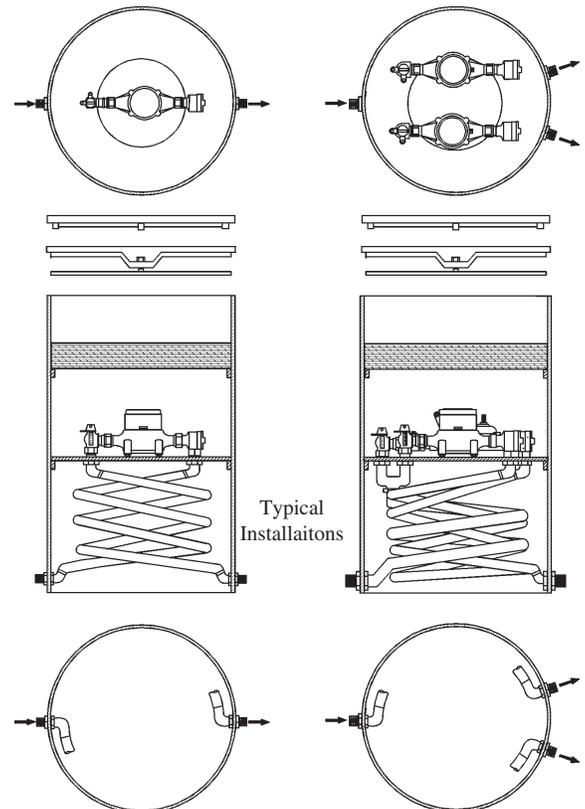
MUELLER / Hunt THERMAL-COIL Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

MUELLER / Hunt THERMAL-COIL Meter Boxes are available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set you need. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.2 for options and ordering instructions.

Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

## MUELLER / Hunt THERMAL-COIL Meter Box Features

- ❑ Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- ❑ Optional insulation pad traps earth's heat to prevent freezing in extremely cold climates
- ❑ White interior aids visibility
- ❑ Meter set is anchored to moveable platform to maintain alignment and stability
- ❑ Platform support and reinforcing ring add rigidity to box
- ❑ Poly coil tubing provides low friction loss equivalent to a typical conventional meter set of the same size and depth
- ❑ Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- ❑ Optional aluminum bottom available
- ❑ Large selection of optional lids



MUELLER Valves and Couplings used in these meter box assemblies are manufactured and tested in accordance with ANSI/AWWA C800.

8F-PVC/BOXES/VAULTS

# 8E.4



# MISCELLANEOUS METER SETTING EQUIPMENT

Rev. 4-01



Brass meter idler  
Has same end-to-end and thread dimensions as meter.  
Used to continue service during meter repairs

## H-10887

Catalog size	5/8	5/8x3/4	3/4	1
Meter size	5/8	5/8x3/4	3/4	1
Length	7-1/2	7-1/2	9	10-3/4
Meter th'd size	3/4	1	1	1-1/4



Brass locking device (padlock and valve not included)  
For use on MUELLER® MARK II ORISEAL® Meter Valves - cannot be used on valves having angle lever handles

## H-14338

Catalog size	3/4	1
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Water meter increaser  
Used on threaded ends of 5/8" meter to increase threads to 5/8 x 3/4 or 3/4 meter size (1" thread)

**H-10888:** for plain nuts  
**H-10888-99002:** for saddle nuts

## H-10888

## H-10888-02

Catalog size	5/8x3/4	5/8x3/4
Meter size	5/8	5/8
Length	11/16"	1"



H-11091



H-11092

Lock wing sealing device  
This device is used to detect unauthorized use of valve or stop. Used with lock wings drilled 3/8" or 1/2". The H-11090 is made up of a collar and set screw (H-11091) and a pin (H-11092). The pin is available in 3/8" or 1/2" sizes and the collar with set screw is used on both sizes.



H-11090



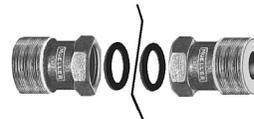
Meter bushing with rubber washer  
Used on threaded ends of 5/8 x 3/4 or 3/4 meters to adapt to 1" meter thread size (1-1/4")

**H-10889:** for saddle nuts  
**H-10889-99000:** for plain nuts

## H-10889

## H-10889-00

Catalog size	3/4x1	3/4x1
Meter size	5/8x3/4,3/4	5/8x3/4,3/4
Length	1-1/4"	15-16"



Meter bushing with rubber washer (complete for both ends). Used on threaded ends of 5/8x3/4 meter to adapt to 1" meter thread size (1-1/4") and standard length.



## H-10879

Catalog size	5/8x3/4x1	3/4x1
Meter size	5/8x3/4	3/4
Length	2.062	1.313



## H-10893

Meter coupling washer  
**H-10893:** Fiber washer



## H-10895

Meter coupling washer  
**H-10895:** Rubber washer

Catalog size	5/8	3/4	1	1-1/4	1-1/2 **	2**
Meter size	5/8	5/8x3/4,3/4	1	1-1/4	1-1/2	2

\*\* Flange gasket for 1-1/2" and 2" sizes.

Catalog size	5/8	3/4	1	1-1/4	1-1/2 **	2 **
Meter size	5/8	5/8x3/4,3/4	1	1-1/4	1-1/2	2

\*\* Flange gasket for 1-1/2" and 2" sizes.

8E-COUPPLINGS/MISC.



Cast iron meter pit covers - Regular pattern. 4" depth - non-recessed lid for parking installations. **H-10810:** with MUELLER pentagon head. **H-10816:** with standard waterworks pentagon head. Touch read hole option available by adding -09. Double hole option available by adding -10.

## H-10810/H-10816

Catalog size	15 x 11	18 x 11-1/2	20 x 11
Cover size	15	18	20
Lid size	11-1/2	11-1/2	11-1/2



Cast iron meter pit covers - Inset pattern. 4" depth - recessed lid for installation in concrete or soil. **H-10811:** with MUELLER pentagon head. **H-10817:** with standard waterworks pentagon head. Touch read hole option available by adding -09. Double hole option available by adding -10.

## H-10811/H-10817

Catalog size	15 x 11	18 x 11-1/2	20 x 11
Cover size	15	18	20
Lid size	11-1/2	11-1/2	11-1/2



Cast iron meter pit covers - Regular pattern. 4" depth - non-recessed lid for parking installations. **H-10808:** with non-locking lid. Touch read hole option available by adding -09. Double hole option available by adding -10.

## H-10808

Catalog size	18 x 11	20 x 11
Cover size	18	20
Lid size	11	11



Cast iron meter pit covers - Inset pattern. 4" depth - recessed lid for installation in concrete or soil. **H-10809:** with non-locking lid.

## H-10809

Catalog size	18 x 11	20 x 11
Cover size	18	20
Lid size	11	11



Cast iron meter pit covers - Double lid pattern for cold climates. 9-1/2" depth - non-recessed lid for parking installations. **H-10813:** with MUELLER pentagon head. **H-10818:** with standard waterworks pentagon head. Aluminum inner lid available by adding -00. Touch read hole option available by adding -09. Double hole option available by adding -10.

## H-10813/H-10818

Catalog size	18 x 11-1/2	Cast iron inner lid part number	528027-1
Cover size	18	Aluminum inner lid part number	528028-1
Lid size	11-1/2		

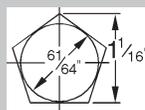


Cast iron meter pit covers - Double lid pattern for cold climates. 9-1/2" depth - recessed lid for installations in concrete or soil. **H-10812:** with MUELLER pentagon head. **H-10814:** with standard waterworks pentagon head. Aluminum inner lid available by adding -00. Touch read hole available by adding -09. Double hole available by adding -10.

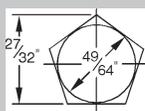
## H-10812/H-10814

Catalog size	18 x 11-1/2	Cast iron inner lid part number	528027-1
Cover size	18	Aluminum inner lid part number	528028-1
Lid size	11-1/2		

### Pentagon heads



MUELLER



Standard waterworks

### Lid locking mechanism



Lock closed



Lock open



H-10820



H-10821

**H-10820** Multiple wrench fits both MUELLER pentagon and standard waterworks pentagon heads.

**H-10821** Key Fits MUELLER pentagon head

\* All 11-1/2" lids are interchangeable with existing 15" x 11", 18" x 11" and 20" x 11" frame.

Rev. 9-09 Shaded area indicates changes



**H-14205**

Straight meter coupling  
Copper flare nut x meter  
swivel nut\* - nut drilled  
for wire seal

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4, 3/4
Tubing size	3/4



**H-10871**

Straight meter coupling  
MIP x meter swivel nut  
Integral insulator in swivel nut  
- tailpiece machined inside and outside  
- nut drilled for wire seal

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Length	2-35/64	2-21/32
Thread size	3/4	1



**H-10890**

Straight meter coupling  
MIP x meter swivel nut\*  
Tailpiece machined inside  
and outside.

Other lengths are available--contact MUELLER  
Customer Service Center for details

Catalog size	5/8x1/2	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Length	2-3/8	2-1/2	2-5/8
Thread size	1/2	3/4	1



**H-14215**

Straight meter coupling  
FIP x meter swivel nut\*  
Tailpiece ribbed outside and  
cored inside - nut drilled for  
wire seal

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Thread size	3/4	3/4	1



**H-10896**

Straight meter coupling  
MIP x meter swivel nut\*  
Machined inside and outside -  
nut drilled for wire seal

Catalog size	5/8x1/2	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Length	2-3/8	2-1/2	2-5/8
Thread size	1/2	3/4	1



**H-10891**

Straight meter coupling  
MIP x meter swivel nut\*  
Tailpiece ribbed outside and  
cored inside

Catalog size	5/8x3/4x3/4	1	1-1/4	1-1/2	2
Meter size	5/8x3/4, 3/4	1	1-1/4	1-1/2	2
Length	2-1/2	2-41/64	2-41/64	2-27/32	3-1/32
Thread size	3/4	1	1-1/4	1-1/2	2



**H-14500**

Straight meter coupling  
MUELLER 110 Conductive  
Compression Connection for  
IPS PE pipe x meter  
swivel nut\*

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4, 3/4
Tubing size	3/4



**H-14201**

Straight meter coupling  
MUELLER 110 Conductive  
Compression Connection for  
CTS O.D. tubing x meter  
swivel nut\* - nut drilled for  
wire seal

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Tubing size	3/4	1	1



**E-14500**

Straight meter coupling  
MUELLER Pack Joint Connec-  
tion for IPS PE\*\* pipe x meter  
swivel nut\*

\*\*Note: 3/4" size only may also be used on PVC

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4, 3/4
Tubing size	3/4

\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

\*\*Note: 3/4" size only may also be used on PVC

# 45° & 90° ANGLE METER COUPLINGS



# 8E.1

Rev. 4-01



Quarter bend meter (90°) coupling  
Meter swivel nut \* x  
MUELLER 110® Conductive  
Compression Connection for  
CTS O.D.\*\* tubing

**H-14206**

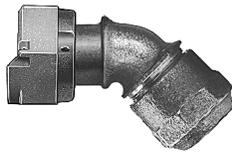
Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1



Quarter bend meter (90°)  
coupling  
Meter swivel nut \* x  
MUELLER® Pack Joint  
Connection for CTS O.D.\*\*  
tubing

**P-14206**

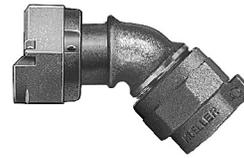
Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1



Eighth bend (45°) meter  
coupling  
Meter swivel nut \* x  
MUELLER 110 Conductive  
Compression Connection for  
CTS O.D.\*\* tubing

**H-14208**

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1



Eighth bend (45°) meter  
coupling  
Meter swivel nut \* x  
MUELLER Pack Joint  
Connection for CTS O.D.\*\*  
tubing

**P-14208**

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1



Quarter bend meter (90°)  
coupling  
Meter swivel nut\* x Copper  
flare nut

**H-14200**

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1



Quarter bend meter (90°)  
coupling  
Meter swivel nut\* x FIP  
Tailpiece ribbed outside and  
cored inside - nut drilled for  
wire seal

**H-14210**

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Thread size	3/4	3/4	1



Quarter bend meter (90°)  
coupling  
Meter flange x FIP

**H-14204**

Catalog size	1-1/2	2 ††
Meter size	1-1/2	1-1/2, 2
Thread size	1-1/2	2



Quarter bend meter (90°)  
coupling  
Meter swivel nut\* x MIP  
For wire seal fitting add -04 option

**H-10892**

Catalog size	5/8x1/2	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Thread size	1/2	3/4	1

\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.  
\*\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection. †† These couplings have meter flanges double drilled to fit either 1-1/2" or 2" meters.

## Pack Joint Connection Kits † (includes nut, gasket and washer)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Part Number
3/4" CTS	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	681921
1" CTS	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	681922
1-1/2" CTS	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	681923
2" CTS	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	681924



**Pack Joint Kit**

† 3/4" & 1" size kits (CTS only) will interchange with valves or fittings using Mueller 110® Compression Connections (CTS).  
1-1/2" & 2" size kits are not interchangeable with valves or fittings presently using Mueller 110 Compression Connections (CTS).  
The 1-1/2" & 2" sizes should only be used as replacements for products currently using Mueller Pack Joint Connections (CTS).

## Tubing, pipe & liners for MUELLER® Pack Joint Connection (not required for Type "K" Copper Pipe)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Length of Liner (in inches)	Part Number
3/4" CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	1.625	528704
1" CTS PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	2.125	528705
1-1/2" CTS PE	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	2.562	528706
2" CTS PE	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	2.562	528707

## Polyethylene PE Tubing and pipe used with MUELLER INSTA-TITE Connections

Nominal size of connection	Material	Tubing or pipe O.D. range - inches	Tubing or pipe wall thickness range - inches	Tubing or pipe I.D. range - inches
3/4" CTS	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
1" CTS	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834
1" IPS	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059

CTS Polyethylene (PE) per ASTM D-2737 SDR-9  
IPS polyethylene (PE) per ASTM D-2239 PE SIDR-7

## MUELLER INSTA-TITE Connection replacement parts

Size	Gripper ring part number	O-Ring part number
3/4" CTS (red gripper)	506325	506324
1" CTS (red gripper)	506327	506326
3/4" IPS (white gripper)	505885	505883
1" IPS (white gripper)	505886	505884



**Gripper ring**

**O-ring**

## Optional tools for use with MUELLER INSTA-TITE Connections

### Pipe beveling tool

To assure proper installation, the end of the pipe or tubing must be properly beveled before it is installed into the MUELLER INSTA-TITE Connection. MUELLER CO. offers a special beveling tool for both CTS PE tubing and IPS PE pipe. PART NUMBER: **H-18015** for 3/4" and 1" CTS tubing. PART NUMBER: **H-18017** for 3/4" and 1" IPS pipe



### Pipe removal tool

Pipe or tubing may be removed from the MUELLER INSTA-TITE Connection using special removal tools. Use one tool for 3/4" size connection and two tools for 1" size. PART NUMBER: **506336**



MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.

# MUELLER 110<sup>®</sup> COMPRESSION CONNECTION INFORMATION AND KITS

**Mueller Co.** 8D.17

Rev. 9-09

## Tubing, pipe and liners used with MUELLER 110 Compression

Nominal Size of Connection	Material	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Liner Part Number
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281
1" CTS	Type "K" copper	1.127 - 1.129	0.061 - 0.069	-	-
	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385
1-1/2" CTS	Type "K" copper	1.620 - 1.630	0.067 - 0.077	-	-
	Polyethylene PE	1.619 - 1.631	0.181 - 0.199	1.227 - 1.275	506139
2" CTS	Type "K" copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene PE	2.119 - 2.131	0.236 - 0.260	1.605 - 1.665	506141
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.113 - 0.134	0.780 - 0.828	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509759
	3/4" Sch. 80 PVC	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	509760
1" IPS	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142

Type "K" copper tubing per ASTM B888.  
 CTS polyethylene (PE) per ASTM D-2737 SDR-9  
 IPS polyethylene (PE) per ASTM D-2239 PE SDR-7  
 Polyvinylchloride (PVC) per ASTM D1785



## MUELLER 110 Compression Connection replacement parts

Size	Gasket part number†	Connection nut
3/4" CTS	581949	507831
1" CTS	581951	507835
3/4" IPS	89599	508826
1" IPS	89788	508827
1-1/2" CTS	581955	507847
2" CTS	581957	507851



**Gasket  
Assembly**



**Nut**

† Gasket and gripper band assembly.

## Adapter Nut for pre-1976 style Mueller 110 Compression Connection for CTS tubing

Kit includes one standard Gasket (same used with current style 110 connections) and a special Nut that adapts to the older style connection threads on the fittings. It is installed in the same way as the current style connection (Gasket conductor spring should be toward fitting body).

Size	Connection kit
3/4" CTS	682552
1" CTS	682551



MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.

8D-VALVES/CHECKS

### Copper flare connection optional equipment

#### Copper flare nut



CATALOG NUMBER: **H-15430**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

#### Solid copper disc



Used with regular copper flare nut to shut off line.

CATALOG NUMBER: **H-15535**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

#### Brass cap



Fits on copper flare spud to cap off line.

CATALOG NUMBER: **H-15540**

3/4"	1"
------	----

#### Flaring tool



Used to make 45° flare on type "K" copper tubing.

CATALOG NUMBER: **H-18000**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

#### Drilled flaring tool



Used to make 45° flare on type "K" copper tubing without shutting off water--drilled to exhaust water at right angle to tubing.

CATALOG NUMBER: **H-18005**

3/4"	1"
------	----

#### Reamer



Used to ream the inside of type "K" copper tubing to remove burrs prior to flaring.

CATALOG NUMBER: **H-18010**

3/4"
------

#### Brass Hammer



Solid brass head with 10" wooden handle. Weight 2-3/4 lb.

CATALOG NUMBER: **H-18025**

**Note: When using any striking tool, safety eye protection must be worn. Inspect hammer and tools for any damage after each use and repair or replace if mushrooming or chipping is evident.**

# DUAL CHECK REPAIR KITS AND OPTIONAL PARTS AND ACCESSORIES



Repair kit for REGULAR dual check valves. Not for use on top entry vertical style.

Catalog number	681434	681435	681436
Valve size	5/8 or 5/8x3/4 or 3/4	1	1-1/2 or 2



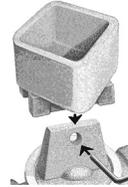
Repair kit for ASSE APPROVED regular dual check valves. Not for use on top entry vertical style.

Catalog number	681437	681438
Valve size	5/8 or 5/8x3/4 or 3/4	1



Repair kit for M-98™ top entry vertical style checks.

Catalog number	682231	682232	682611
Valve size	3/4	1	1-1/2 or 2



**B-20299**

2" Brass square wrench nut adapter  
For use on MUELLER® 300™ Ball Valves and ground key valves - one size fits both 3/4" and 1" valves.



**H-10298**

Brass straight lever handle  
For use on MUELLER® MARK II ORISEAL® Curb Valves and MUELLER ORISEAL III Curb Valves.

3/4"	1" *
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**H-14339**

Brass angle lever handle  
For use on MUELLER® MARK II ORISEAL® Curb Valves and MUELLER ORISEAL III Curb Valves.

3/4"	1"*
------	-----



**B-20298**

Brass straight lever handle  
For use on MUELLER 300 Ball Curb Valves - one size fits both 3/4" and 1" valves. 4.25" overall handle length.



**B-24339**

Brass angle lever handle  
For use on MUELLER 300 Ball Curb Valves - one size fits both 3/4" and 1" valves.



**B-20298-99000**

Brass straight lever handle  
For use on MUELLER 300 Ball Curb Valves - one size fits both 3/4" and 1" valves. 3.21" overall handle length for use in confined areas where longer handle will not work.



**B-20298-99001**

"RECLAIMED WATER" straight lever handle, with marking and standard color for positive identification. For use on MUELLER 300 Ball Valves - one size fits both 3/4" and 1" valves. 3.21" overall handle length for use in confined areas.



To order test valve feature add suffix (-05) to catalog number. Example: H-14462-A-05

**Test Drain Option**

**RECLAIMED WATER STYLE:**

Valves area available marked for "reclaimed water" by adding "-20" to the catalog number. Example: B-24274-20.

\*Fits 1-1/2" and 2" Ball Valves

Rev. 9-09 Shaded area indicates change



**H-14269**

Angle Meter Dual Check Valve  
**Inlet:** Meter swivel nut\*  
**Outlet:** MUELLER 110 Conductive Compression Connection for CTS O.D.\*\* tubing. To order ASSE approved model add suffix -A to catalog number

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4, 3/4
Pipe size	3/4



**P-14269**

Angle Meter Dual Check Valve  
**Inlet:** Meter swivel nut\*  
**Outlet:** MUELLER 110 Pack Joint Connection for CTS O.D.\*\* tubing. To order ASSE approved model add suffix -A to catalog number

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4, 3/4
Pipe size	3/4



**H-14462-A**

Top entry vertical dual check valve ASSE approved  
**Inlet:** Meter swivel nut\*  
**Outlet:** MUELLER 110® Conductive Compression Connection for CTS O.D.\*\* tubing To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Pipe size	3/4	1



**H-14244**

Angle dual check valve  
**Inlet:** Meter swivel nut\*  
**Outlet:** F.I.P.  
 To order ASSE approved model add suffix -A to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	1	1-1/2 ††, †††	2†, ††
Meter size	5/8	5/8x3/4, 3/4	1	1-1/2	1-1/2, 2
Pipe size	3/4	3/4	1	1-1/2	2

8D-VALVES/CHECKS



**H-14461-A**

Top entry vertical dual check valve ASSE approved  
**Inlet:** Meter swivel nut\*  
**Outlet:** Copper flare nut  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Pipe size	3/4	1



**H-14460-A**

Top entry vertical dual check valve ASSE approved  
**Inlet:** Meter swivel nut\*  
**Outlet:** F.I.P.  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4x3/4*	1*	2***
Meter size	5/8x3/4, 3/4	1	1-1/2 or 2
Pipe size	3/4	1	2



**H-14463-A**

Top entry vertical dual check valve ASSE approved  
**Inlet:** Meter swivel nut\*  
**Outlet:** M.I.P.  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Pipe size	3/4	1



**P-14462-A**

Top entry vertical dual check valve ASSE approved  
**Inlet:** Meter swivel nut\*  
**Outlet:** MUELLER® Pack Joint Connection for CTS O.D.\*\* tubing To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Pipe size	3/4	1

\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

\*\*See charts on page 8D.17 and 8D.18 for tubing that may be used with these connections.

\*\*\*Valves with meter flanges double drilled to fit either 1-1/2" or 2" meters

# IN-LINE CHECK VALVES



**H-14241**

Straight dual check valve  
**Inlet:** M.I.P.  
**Outlet:** F.I.P.  
 To order ASSE approved†† model add suffix -A to catalog number

Catalog size	3/4x1 ††	1
Pipe size	3/4 in, 1 out	1



**H-14243**

Straight dual check valve  
**Inlet:** F.I.P.  
**Outlet:** F.I.P.  
 To order ASSE approved†† model add suffix -A to catalog number

Catalog size	3/4	3/4x1 ††	1	1-1/2 ††, †††	2 †, ††
Pipe size	3/4	3/4 in, 1 out	1	1-1/2	2



**H-14242**

Straight dual check valve  
**Inlet:** Meter swivel nut\*  
**Outlet:** F.I.P.  
 To order ASSE approved model add suffix -A to catalog number

Catalog size	5/8x3/4x3/4	5/8x3/4x1††	1	1-1/2 ††, †††	2 †, ††
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1-1/2	1-1/2, 2
Pipe size	3/4	1	1	1-1/2	2



**H-14283**

Straight dual check valve  
**Inlet:** M.I.P.  
**Outlet:** MUELLER 110 Conductive Compression Connection for CTS O.S. \*\* tubing.  
 To order ASSE approved†† model add suffix -A to catalog number

Catalog size	3/4
Pipe size	3/4



**H-14282**

Straight dual check valve  
**Inlet:** M.I.P.  
**Outlet:** M.I.P.  
 To order ASSE approved†† model add suffix -A to catalog number

Catalog size	3/4
Pipe size	3/4

\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

\*\* See charts on page 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.

†† These 3/4"x1", 1-1/2" and 2" sizes are not available as ASSE approved.

††† These have meter flanges for 1-1/2" meters

Rev. 9-09



**H-14277**

Ground Key Angle Meter Valve  
 MUELLER 110<sup>®</sup> Conductive  
 Compression Connection for CTS  
 O.D.\* tubing x meter flange  
 180° turn check - lock wing

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**P-14277**

MUELLER<sup>®</sup> Pack Joint  
 Connection for CTS O.D.\* tubing  
 x meter flange  
 180° turn check - lock wing  
 Ground Key Angle Meter Valve

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**H-14276**

Ground Key Angle Meter Valve  
 Copper flare nut x meter flange  
 180° turn check - lock wing  
 Ground Key Angle Meter Valve

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**H-14286**

F.I.P. x meter flange  
 180° turn check - lock wing  
 MUELLER Solid Tee Head

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**H-14285**

F.I.P. x F.I.P.  
 180° turn check - lock wing  
 Ground Key Angle Meter Valve

Catalog size	3/4
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**H-10281**

Roundway Meter Stop  
 F.I.P. x F.I.P.  
 360° turn - lock wing

Catalog size	1/2
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8D-VALVES/CHECKS

\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

†† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.

# GROUND KEY ANGLE METER VALVES

## 3/4" & 1"



Ground key angle meter stop  
**MUELLER 110<sup>®</sup> Conductive**  
 Compression Connection for CTS  
 O.D.\* tubing x meter swivel nut\*\*  
 180° turn check - lock wing

### H-14258

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1



Ground key angle meter stop  
**MUELLER<sup>®</sup> Pack Joint Connection**  
 for CTS O.D.\* tubing x meter  
 swivel nut\*\*  
 180° turn check - lock wing

### P-14258

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Tubing size	3/4	1	1



Ground key angle meter stop  
**MUELLER 110 Compression**  
 Connection for IPS PE\* plastic pipe  
 x meter swivel nut\*\*  
 180° turn check - lock wing

### H-14259

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	1	1



Ground key angle meter stop  
**MUELLER INSTA-TITE<sup>®</sup>**  
 Connection for IPS PE\* plastic  
 pipe x meter swivel nut\*\*  
 180° turn check - lock wing

### H-14266

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	1	1



Ground key angle meter stop  
**MUELLER INSTA-TITE<sup>®</sup>**  
 Connection for CTS O.D.\* PE  
 plastic tubing x meter swivel nut\*\*  
 180° turn check - lock wing

### H-14267

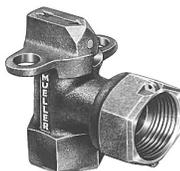
Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	1	1



Ground key angle meter stop  
**Copper flare nut x meter swivel**  
 nut\*\*  
 180° turn check - lock wing

### H-14255

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1	1



Ground key angle meter stop  
**F.I.P. x meter swivel nut\*\***  
 180° turn check - lock wing

### H-14265

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

\*\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

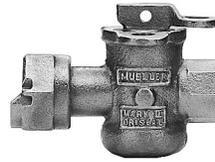
Rev. 9-09



**MUELLER MARK II ORISEAL**  
**Straight Meter Valve**  
 Copper flare nut x meter swivel  
 nut\*\*  
 Quarter turn check

**H-14340**

Catalog size	3/4
Meter size	5/8x3/4, 3/4
Tubing size	3/4



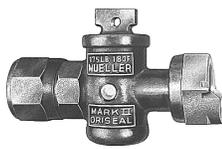
**MUELLER MARK II ORISEAL**  
**Straight Meter Valve**  
 Copper flare nut x meter swivel  
 nut\*\*  
 Quarter turn check

**H-14345**

Catalog size	1
Valve size	1
Pipe size	1

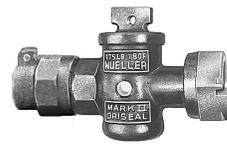
\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

\*\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.


**H-14348**

MUELLER® MARK II  
ORISEAL® Straight Meter Valve  
MUELLER 110® Conductive  
Compression Connection for CTS  
O.D.\* tubing x meter swivel nut\*\*  
Quarter turn check

Catalog size	3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1


**P-14348**

MUELLER MARK II  
ORISEAL Straight Meter Valve  
MUELLER Pack Joint Connec-  
tion for CTS O.D.\* tubing x meter  
swivel nut\*\*  
Quarter turn check

Catalog size	3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1


**H-14350**

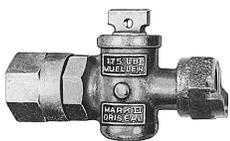
MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER 110 Conductive  
Compression Connection for CTS  
O.D.\* tubing x meter swivel nut\*\*  
Quarter turn check - lock wing

Catalog size	3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1


**P-14350**

MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x meter  
swivel nut\*\*  
Quarter turn check - lock wing

Catalog size	3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1


**H-14331**

MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER 110 Compression  
Connection for IPS PE\* plastic  
pipe x meter swivel nut\*\*  
Quarter turn check

Catalog size	3/4
Meter size	5/8x3/4, 3/4
Pipe size	3/4


**H-14352**

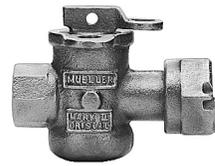
MUELLER MARK II ORISEAL  
Straight Meter Valve  
Copper flare nut x meter swivel  
nut\*\*  
Quarter turn check - lock wing

Catalog size	3/4
Meter size	5/8x3/4, 3/4
Tubing size	3/4


**H-14337**

MUELLER MARK II ORISEAL  
Straight Meter Valve  
F.I.P. x meter flange  
Quarter turn check - lock wing

Catalog size	2 ††
Meter size	1-1/2 or 2
Pipe size	2


**H-14351**

MUELLER MARK II ORISEAL  
Straight Meter Valve  
F.I.P. x meter swivel nut\*\*  
Quarter turn check - lock wing -  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: H-24351-3

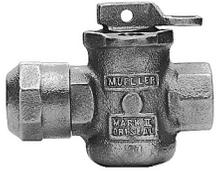
Catalog size	3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1

\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

\*\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

†† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.

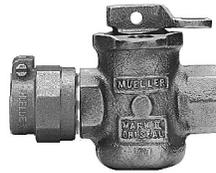
Rev. 9-09



**H-15170**

MUELLER® MARK II  
ORISEAL® Straight Service Valve  
MUELLER 110® Conductive  
Compression Connection for CTS  
O.D.\* tubing x F.I.P.  
Quarter turn check - lock wing

Catalog size	3/4	1
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**P-15170**

MUELLER MARK II  
ORISEAL Straight Service Valve  
MUELLER® Pack Joint  
Connection for CTS O.D.\* tubing  
x F.I.P.  
Quarter turn check - lock wing

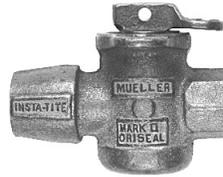
Catalog size	3/4	1
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**H-15195**

MUELLER MARK II  
ORISEAL Straight Service Valve  
MUELLER INSTA-TITE®  
Connection for IPS\* PE pipe x  
F.I.P.  
Quarter turn check - lock wing

Catalog size	3/4	
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**H-15197**

MUELLER MARK II  
ORISEAL Straight Service Valve  
MUELLER INSTA-TITE®  
Connection for CTS O.D.\*  
tubing x F.I.P.  
Quarter turn check - lock wing

Catalog size	3/4	
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**H-15166**

MUELLER MARK II  
ORISEAL Straight Service Valve  
Copper flare nut x F.I.P.  
Quarter turn check - lock wing

Catalog size	3/4	1
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**H-10200**

MUELLER MARK II  
ORISEAL Straight Service Valve  
F.I.P. x F.I.P.  
Quarter turn check - lock wing

Catalog size	3/4	1
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8D-VALVES/CHECKS

\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

# BALL STRAIGHT SERVICE VALVES 3/4"-2" SIZES

**Mueller Co.**

# 8D.7

Shaded area indicates change Rev. 9-09



MUELLER 300 Ball Straight Service Valve - MUELLER® Pack Joint Connection for for IPS\* PVC pipe- **both ends**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (V-25236-3)

**V-25236**

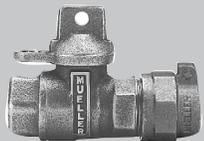
Catalog size	1
Valve size	1
Pipe size	1



MUELLER 110 Compression Connection for CTS O.D.\* tubing x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25130-3)

**B-25130**

Catalog size	3/4R†	3/4	1
Valve size	3/4	3/4	1
Pipe size	3/4	3/4	1



MUELLER 300 Ball Straight Service Valve - MUELLER Pack Joint Connection for IPS\* PVC pipe x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (V-25108-3)

**V-25108**

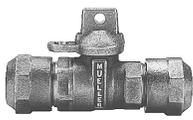
Catalog size	1	1-1/2	2
Valve size	1	1-1/2	2
Pipe size	1	1-1/2	2

8D-VALVES/CHECKS

\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

Rev. 9-09



**MUELLER® 300™ Ball Straight Service Valve - MUELLER 110®**  
Conductive Compression Connection for CTS O.D.\* tubing - **both ends**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25146-3)

## B-25146

Catalog size	3/4R†	3/4	1R†	1	1-1/2	2
Valve size	5/8	3/4	3/4	1	1-1/2	2
Pipe size	3/4	3/4	1	1	1-1/2	2



**MUELLER 300 Ball Straight Service Valve - MUELLER®**  
Pack Joint Connection for CTS O.D.\* tubing - **both ends**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (P-25146-3)

## P-25146

Catalog size	3/4R†	3/4	1R†	1	1-1/2	2
Valve size	5/8	3/4	3/4	1	1-1/2	2
Pipe size	3/4	3/4	1	1	1-1/2	2



**MUELLER 300 Ball Straight Service Valve - MUELLER 110**  
Conductive Compression Connection for CTS O.D.\* tubing x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25170-3)

## B-25170

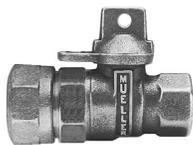
Catalog size	3/4R†	3/4	3/4x1	1R†	1	1x3/4R†	1-1/2	2
Valve size	5/8	3/4	3/4	3/4	1	3/4	1-1/2	2
Pipe size	3/4	3/4	3/4	1	1	1	1-1/2	2



**MUELLER 300 Ball Straight Service Valve - MUELLER**  
Pack Joint Connection for CTS O.D.\* tubing x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (P-25170-3)

## P-25170

Catalog size	3/4R†	3/4	3/4x1	1R†	1	1x3/4R†	1-1/2	2
Valve size	5/8	3/4	3/4	3/4	1	3/4	1-1/2	2
Pipe size	3/4	3/4	1	1	1	1	1-1/2	2



**MUELLER 110 Compression Connection for IPS\* PE pipe x F.I.P.**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25196-3)

## B-25196

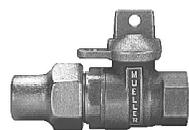
Catalog size	3/4	1
Valve size	3/4	1
Pipe size	3/4	1



**MUELLER 300 Ball Straight Service Valve**  
Copper flare nut - both ends  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25143-3)

## B-25143

Catalog size	3/4R	3/4	1R†	1-1/2	2
Valve size	3/4	3/4	3/4	1-1/2	2
Pipe size	3/4	3/4	1	1-1/2	2



**MUELLER 300 Ball Straight Service Valve**  
Copper flare nut x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-25166-3)

## B-25166

Catalog size	3/4R†	3/4	1R†	1	1-1/2	2
Valve size	5/8	3/4	3/4	1	1-1/2	2
Pipe size	3/4	3/4	1	1	1-1/2	2



**MUELLER 300 Ball Straight Service Valve - F.I.P. x Copper flare nut**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number--4-3/8" laying length for retrofit applications

## B-25168

Catalog size	3/4R†	1
Valve size	5/8	1
Pipe size	3/4	1



**MUELLER 300 Ball Straight Service Valve - F.I.P. x F.I.P.**  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-20200-3)

## B-20200

Catalog size	3/4R†	3/4	1x3/4	1R†
Catalog size	1	1-1/2	2	



**MUELLER 300 Ball Straight Service Valve**  
F.I.P. x F.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number--3-13/16" end-to-end dimension for retrofit applications

## B-20245

Catalog size	3/4R†
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\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

†The "R" indicates this valve has a reduced port. The port size is one nominal size smaller than the valve inlet/outlet.

8D-VALVES/CHECKS

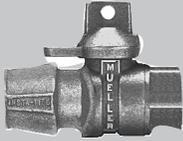
# BALL STRAIGHT METER VALVES

## 3/4" - 2"

**Mueller Co.**

# 8D.5

Shaded area indicates change Rev. 9-09



**B-20211**

MUELLER 300  
Ball Straight Meter Valve  
MUELLER INSTA-TITE®  
Connection for CTS O.D.\*  
tubing x F.I.P. Quarter turn check -  
lock wing. 360° turn option available  
by adding -3 suffix to catalog number.  
Example: B-20211-3

Catalog size	3/4	1
Meter size	3/4	1
Pipe size	3/4	1



**P-24335**

MUELLER 300  
Ball Straight Meter Valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x meter flange  
Quarter turn check - lock wing.  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: P-24335-3

Catalog size	1-1/2	2 ††
Meter size	1-1/2	2 ††
Tubing size	1-1/2	2 ††



**B-24335**

MUELLER® 300™  
Ball Straight Meter Valve  
MUELLER 110® Conductive  
Compression Connection for CTS O.D.\*  
tubing x meter flange. Quarter turn check  
- lock wing. 360° turn option available by  
adding -3 suffix to catalog number.  
Example: B-24335-3

Catalog size	1-1/2	2 ††
Meter size	1-1/2	2 ††
Tubing size	1-1/2	2 ††



**B-24337**

MUELLER 300  
Ball Straight Meter Valve  
F.I.P. x meter flange. Quarter turn  
check - lock wing. 360° turn option  
available by adding -3 suffix to catalog  
number. Example: B-24337-3

Catalog size	1-1/2	2 ††
Meter size	1-1/2	2 ††
Pipe size	1-1/2	2 ††



**B-24334**

MUELLER 300  
Ball Straight Meter Valve  
Copper flare nut x meter flange  
Quarter turn check - lock wing.  
360° turn option by adding -3  
suffix to catalog number.  
Example: B-24334-3

Catalog size	1-1/2	2 ††
Meter size	1-1/2	2 ††
Pipe size	1-1/2	2 ††



**V-25236**

MUELLER 300  
Ball Straight Meter Valve  
MUELLER Pack Joint Connection  
for IPS\* PVC pipe - **both ends**.  
Quarter turn check - lock wing.  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: V-25236-3

Catalog size	1-1/2	2
Meter size	1-1/2	2
Pipe size	1-1/2	2

8D-VALVES/CHECKS

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

†† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.

Rev. 9-09 Shaded area indicates change



**B-24350**

MUELLER® 300™ Ball Straight Meter Valve. MUELLER 110® Conductive Compression Connection for CTS O.D.\* tubing x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24350-3

Catalog size	3/4x5/8R†	3/4R†	3/4	5/8x3/4x1	1R†	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	3/4	1	1	1



**P-24350**

MUELLER 300 Ball Straight Meter Valve. MUELLER Pack Joint Connection for CTS O.D.\* tubing x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: P-24350-3

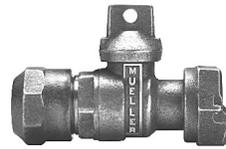
Catalog size	3/4x5/8R†	3/4R†	3/4	5/8x3/4x1	1R†	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	3/4	1	1	1



**B-24353**

MUELLER 300 Ball Straight Meter Valve. MUELLER 110 Conductive Compression Connection for PE plastic pipe (IPS) \* tubing x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24353-3

Catalog size	3/4	5/8x3/4x1R†	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	1	1	1



**B-24331**

MUELLER 300 Ball Straight Meter Valve. MUELLER 110 Conductive Compression Connection for PE plastic pipe (IPS) \* tubing x meter swivel nut\*\*. Quarter turn check. 360° turn option available by adding -3 suffix to catalog number. Example: B-24331-3

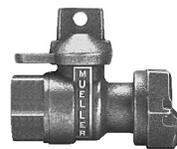
Catalog size	5/8x3/4x1R†	5/8x3/4x1
Meter size	5/8	5/8x3/4, 3/4
Tubing size	1	1



**B-24352**

MUELLER 300 Ball Straight Meter Valve. Copper flare nut x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24352-3

Catalog size	3/4R†	3/4	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	1	1	1



**B-24351**

MUELLER 300 Ball Straight Meter Valve. F.I.P. x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24351-3

Catalog size	3/4R†	3/4	3/4x5/8R†	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	3/4x5/8	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	3/4	1	1	1



**B-24394**

MUELLER 300 Ball Straight Meter Valve. M.I.P. x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24394-3

Catalog size	3/4R†	3/4	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	3/4	1	1



**B-24363**

MUELLER 300 Ball Straight Meter Valve. MUELLER INSTA-TITE® Connection for CTS O.D.\* tubing x meter swivel nut\*\*. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24363-3

Catalog size	3/4R†	3/4	5/8x3/4x1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4
Tubing size	3/4	3/4	1

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

\*\*Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

†The "R" indicates this valve has a reduced port. The port size is one nominal size smaller than the valve inlet/outlet.



**MUELLER® 300™**  
 Ball Angle Service Valve  
 MUELLER 110® Compression  
 Connection for CTS O.D.\*  
 tubing x F.I.P.  
 Quarter turn check - lock wing.  
 360° turn option available by  
 adding -3 suffix to catalog number.  
 Example: B-24274-3

**B-24274**

Catalog size	3/4	1
Tubing size	3/4	1



**MUELLER 300**  
 Ball Angle Service Valve  
 Copper flare nut x F.I.P.  
 Quarter turn check - lock wing.  
 360° turn option available by  
 adding -3 suffix to catalog  
 number.  
 Example: B-24275-3

**B-24275**

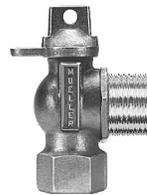
Catalog size	3/4	1
Tubing size	3/4	1



**MUELLER 300**  
 Ball Angle Service Valve  
 F.I.P x F.I.P.  
 Quarter turn check - lock wing.  
 360° turn option available by  
 adding -3 suffix to catalog  
 number.  
 Example: B-24285-3

**B-24285**

Catalog size	3/4	3/4R†	1R†	1
Tubing size	3/4	3/4	1	1



**MUELLER 300**  
 Ball Angle Service Valve  
 F.I.P x M.I.P.  
 Quarter turn check - lock wing.  
 360° turn option available by  
 adding -3 suffix to catalog  
 number.  
 Example: B-24287-3

**B-24287**

Catalog size	3/4	1
Tubing size	3/4	1

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.  
 † The "R" indicates this valve has a reduced port. Port size is one nominal size smaller than the valve inlet/outlet.

Rev. 9-09



**MUELLER® 300™**  
Ball Angle Meter Valve. Copper flare nut  
x meter swivel  
nut\*\*. Quarter turn check - lock wing.  
360° turn option available by adding  
-3 suffix to catalog number.  
Example: B-24255-3

## B-24255

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4	3/4

Catalog size	5/8x3/4x3/4R†	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	1	1	1



**MUELLER 300** Ball Angle Meter  
Valve  
F.I.P. x meter swivel nut\*\*  
Quarter turn check - lock wing.  
360° turn option available by adding  
-3 suffix to catalog number.  
Example: B-24265-3

## B-24265

Catalog size	5/8x3/4R†	5/8x3/4	5/8X3/4X3/4R†
Meter size	5/8	5/8	5/8x3/4,3/4
Pipe size	3/4	3/4	3/4

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1R†	1
Meter size	5/8x3/4,3/4	5/8x3/4,3/4	1	1
Pipe size	3/4	1	1	1



**MUELLER 300** Ball Angle Meter Valve  
**MUELLER 110®** Conductive  
Compression Connection for CTS  
O.D.\* tubing x meter flange  
Quarter turn check - lock wing.  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: B-24276-3

## B-24276

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**MUELLER 300** Ball Angle Meter Valve  
**MUELLER®** Pack Joint Connection  
for CTS O.D.\* tubing x meter flange  
Quarter turn check - lock wing.  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: P-24276-3

## P-24276

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**MUELLER 300** Ball Angle Meter Valve -  
Two piece factory assembled  
Copper flare nut x meter flange  
Quarter turn check - lock wing.  
360° turn option available by adding -3  
suffix to catalog number.  
Example: B-24277-3

## B-24277

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**MUELLER 300** Ball Angle Meter Valve  
F.I.P. x meter flange  
Quarter turn check - lock wing.  
360° turn option available by  
adding -3 suffix to catalog number.  
Example: B-24286-3

## B-24286

Catalog size	1-1/2	2††
Meter size	1-1/2	1-1/2, 2
Pipe size	1-1/2	2



**MUELLER 300** Ball Angle Meter Valve  
F.I.P. x meter swivel nut\*\* Extended  
length. Quarter turn check - lock wing.  
360° turn option available by adding -3  
suffix to catalog number.  
Example: B-24265-3

## B-24371

Catalog size	3/4R†
Meter size	3/4
Pipe size	3/4

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

† The "R" indicates this valve has a reduced port. Port size is one nominal size smaller than the valve inlet/outlet

†† These valves have meter flanges double drilled to fit either 1-1/2" or 2" meters.



**MUELLER® 300™**  
 Ball Angle Meter Valve  
**MUELLER 110®** Conductive  
 Compression Connection for CTS  
 O.D.\* tubing x meter swivel nut\*\*  
 Quarter turn check - lock wing.  
 360° turn option available by adding  
 -3 suffix to catalog number.

**B-24258** Example: B-24258-3

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†
Meter size	5/8	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4	3/4

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	1	1	1



**MUELLER 300**  
 Ball Angle Meter Valve  
**MUELLER** Pack Joint Connection  
 for CTS O.D.\* tubing x meter  
 swivel nut\*\* Quarter turn check -  
 lock wing. 360° turn option available  
 by adding -3 suffix to catalog number.  
 Example: P-24258-3

**P-24258**

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†
Meter size	5/8	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4	3/4

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1R†	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Tubing size	3/4	1	1	1



**MUELLER 300**  
 Ball Angle Meter Valve  
**MUELLER 110** Conductive  
 Compression Connection for IPS PE\*  
 pipe x meter swivel nut\*\*  
 Quarter turn check - lock wing.  
 360° turn option available by adding  
 -3 suffix to catalog number.  
 Example: B-24259-3

**B-24259**

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8x3/4, 3/4	5/8x3/4, 1	1
Tubing size	3/4	1	1



**MUELLER 300**  
 Ball Angle Meter Valve  
**MUELLER** Pack Joint Connection  
 for IPS PE\* pipe x meter  
 swivel nut\*\*  
 Quarter turn check - lock wing.  
 360° turn option available by adding  
 -3 suffix to catalog number.  
 Example: B-24259-3

**E-24259**

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1



**MUELLER 300** Ball Angle  
 Meter Valve  
**MUELLER INSTA-TITE** Connection  
 for IPS PE\* pipe x meter swivel nut\*\*  
 Quarter turn check - lock wing.  
 360° turn option available by  
 adding -3 suffix to catalog number.  
 Example: B-24266-3

**B-24266**

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1

Note: Two-piece factory assembly



**MUELLER 300** Ball Angle  
 Meter Valve  
**MUELLER INSTA-TITE** Connection  
 for CTS O.D.\* tubing x meter swivel  
 nut\*\*  
 Quarter turn check - lock wing.  
 360° turn option available by adding  
 -3 suffix to catalog number.  
 Example: B-24267-3

**B-24267**

Catalog size	5/8x3/4x3/4	1
Meter size	5/8x3/4, 3/4	1
Tubing size	3/4	1

Note: Two-piece factory assembly

\* See charts on pages 8D.17 and 8D.18 for tubing and pipe that can be used with this connection.

\*\* Meter swivel nuts are regularly furnished with a saddle feature to aid in meter installation and removal. A plain swivel nut is available as an option by adding a suffix of -1 to the catalog number.

† The "R" indicates this valve has a reduced port. Port size is one nominal size smaller than the valve inlet/outlet

**8C.10** **Mueller Co.**

Rev. 4-99

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**Mueller Co.**

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8C - C.I. BOXES

# MUELLER INSTA-TITE® CONNECTION INFORMATION

Mueller Co.

8C.9

Rev. 4-01

## Polyethylene PE Tubing and pipe used with MUELLER INSTA-TITE Connections

Nominal Size of Connection	Material	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches
3/4" CTS	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834

CTS polyethylene (PE) per ASTM D-2737 PE2306,3306, SDR-9  
IPS polyethylene (PE) per ASTM D-2239 PE SIDR-7

## MUELLER INSTA-TITE Connection replacement parts

Size	Gripper ring part number†	O-Ring part number
3/4" CTS (red gripper)	506325	506324
3/4" IPS (white gripper)	505885	505883



Gripper ring



O-ring

† Gripper ring assembly.

## Optional tools for use with corporation stops having MUELLER INSTA-TITE Connection outlets

To insure proper installation, the end of the pipe or tubing must be properly beveled before it is inserted into the MUELLER INSTA-TITE Connection. MUELLER CO. offers a special beveling tool for both CTS PE tubing and IPS PE pipe.



PART NUMBER: **H-18015** for 3/4" and 1" CTS tubing  
PART NUMBER: **H-18017** for 3/4" and 1" IPS pipe

### Pipe removal tool

Pipe or tubing may be removed from the MUELLER INSTA-TITE Connection using special removal tools. Use one tool for 3/4" size connection and two tools for 1" size.

PART NUMBER: **506336**



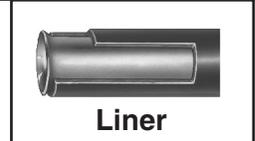
8C - C.I. BOXES

Rev. 8-04 Shaded area indicates change

## Tubing, pipe and liners used with MUELLER 110 Compression

Nominal Size of Connection	Material	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Liner Part Number
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281
1" CTS	Type "K" copper	1.127 - 1.129	0.061 - 0.069	-	-
	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.113 - 0.134	0.809 - 0.834	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.154 - 0.174	0.780 - 0.828	509759
	3/4" Sch. 80 PVC	1.329 - 1.399	0.150 - 0.170	0.698 - 0.746	509760

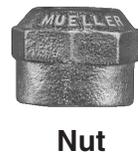
Type "K" copper tubing per ASTM B88  
 CTS polyethylene (PE) per ASTM D-2737 SDR-9  
 IPS polyethylene (PE) per ASTM D-2239 PE SDR-7  
 Polyvinylchloride (PVC) per ASTM D1785



## MUELLER 110 Compression Connection replacement parts

Size	Gasket part number†	Connection nut
3/4" CTS	581949	507831
1" CTS	581951	507835
3/4" IPS	89599	508826

† Gasket and gripper band assembly



## Adapter Nut for pre-1976 style Mueller 110 Compression Connection for CTS tubing

Kit includes one standard Gasket (same used with current style 110 connections) and a special Nut that adapts to the older style connection threads on the fittings. It is installed in the same way as the current style connection (Gasket conductor spring should be toward fitting body).

Size	Connection kit
3/4" CTS	682552
1" CTS	682551



## Pack Joint Connection Kits † (includes nut, gasket and washer)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Part Number
3/4" CTS or CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	681921
1" CTS or CTS PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	681922

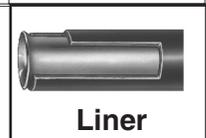
† 3/4" & 1" size kits (CTS only) will interchange with valves or fittings using Mueller 110 Compression Connections (CTS).



**Pack Joint Kit**

## Tubing, pipe & liners for MUELLER Pack Joint Connection (not required for Type "K" Copper Pipe)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Length of Liner (in inches)	Part Number
3/4" CTS or CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	1.625	528704
1" CTS or CTS PE	1.120 - 1.130	0.125 - .0137	0.846 - 0.880	2.125	528705



MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.

# CAST IRON METER BOX - RETROFIT CHECK VALVES, EQUIPMENT AND TOOLS

**Mueller Co.**

**8C.7**

Rev. 4-01



Dual check for MUELLER  
Cast iron Meter Box  
**Inlet:** Flange bolts to box base  
**Outlet:** F.I.P.  
Retrofits to existing MUELLER  
Boxes

## H-14290

Catalog size	3/4
Meter size	5/8x3/4
Thread size	3/4

Copper flare connection optional equipment

### Brass Hammer

Solid brass head with  
10" wooden handle.  
Weight 2-3/4 lb.

CATALOG NUMBER: **H-18025**



**507791**

### Combination key and wrench

- one end of tool is used as a key to un-lock cast iron meter box lids and can also be used to lift the lid. The other end is used as a wrench to open and close the meter box inlet valve. Not furnished with meter boxes.

### Copper flare nut



CATALOG NUMBER: **H-15430**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

### Solid copper disc



Used with regular copper flare nut to shut off line.

CATALOG NUMBER: **H-15535**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

### Brass cap



Fits on copper flare spud to cap off line.

CATALOG NUMBER: **H-15540**

3/4"	1"
------	----

### Flaring tool



Used to make 45° flare on type "K" copper tubing.

CATALOG NUMBER: **H-18000**

1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	------	----	--------	--------	----

### Drilled flaring tool



Used to make 45° flare on type "K" copper tubing without shutting off water-drilled to exhaust water at right angle to tubing.

CATALOG NUMBER: **H-18005**

3/4"	1"
------	----

### Reamer



Used to ream the inside of type "K" copper tubing to remove burrs prior to flaring.

CATALOG NUMBER: **H-18010**

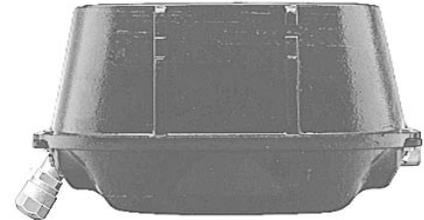
**Note:** When using any striking tool, safety eye protection must be worn. Inspect hammer and tools for any damage after each use and repair or replace if mushrooming or chipping is evident.

MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.

8C - C.I. BOXES

## With locking lid, angle inlet and 3/4" FIP coupling outlet

Description	Inlet Size	Box Height	Catalog Number
Mueller 110® (CTS)	3/4"	7"	H-1461-A
Mueller 110® (IPS)	3/4"	7"	H-1461-C
Copper Flare	3/4"	7"	H-1461-E
Mueller 110® (CTS)	1"	7"	H-1461-J
Mueller 110® (IPS)	1"	7"	H-1461-M
Copper Flare*	3/4"	7"	H-1461-2
Mueller 110® (CTS)*	3/4"	7"	H-1461-3
Pack joint (CTS)	3/4"	7"	P-1461-A
Pack joint (CTS)	1"	7"	P-1461-J
Pack joint (CTS)*	3/4"	7"	P-1461-3



**(H-1461-3 shown)**

\* Inlet connections are integral to the meter box.

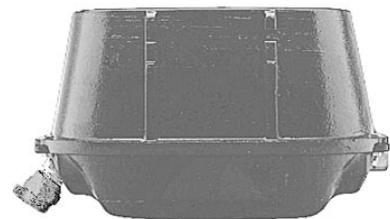
Note: Meter boxes will not be sold without the inlet coupling. Stretch boxes are supplied as standard with an ASSE double check valve.

Touch read hole available. Contact USPVH Customer Service Center for more information.

8C - C.I. BOXES

## With non-locking lid, angle inlet and 3/4" FIP horizontal coupling outlet

Description	Inlet Size	Box Height	Catalog Number
Mueller 110® (CTS)	3/4"	7"	H-1462-A
Mueller 110® (IPS)	3/4"	7"	H-1462-C
Copper Flare	3/4"	7"	H-1462-E
Mueller 110® (CTS)	1"	7"	H-1462-J
Mueller 110® (IPS)	1"	7"	H-1462-M
Copper Flare*	3/4"	7"	H-1462-2
Mueller 110® (CTS)*	3/4"	7"	H-1462-3
Pack joint (CTS)	3/4"	7"	P-1462-A
Pack joint (CTS)	1"	7"	P-1462-J
Pack joint (CTS)*	3/4"	7"	P-1462-3



**(P-1462-3 shown)**

\* Inlet connections are integral to the meter box.

Note: Meter boxes will not be sold without the inlet coupling. Stretch boxes are supplied as standard with an ASSE double check valve.

Touch read hole available. Contact USPVH Customer Service Center for more information

# CAST IRON "STRETCH" METER BOXES FOR 5/8"x3/4" METERS

**Mueller Co.**

**8C.5**

Rev. 9-09

## With locking lid, horizontal inlet and 3/4" FIP coupling outlet

Catalog Number	Description	Inlet Size	Box Height
H-1461-F	Mueller 110® (CTS)	3/4"	7"
H-1461-K	Mueller 110® (CTS)	1"	7"
H-1461-4	Copper Flare*	3/4"	7"
H-1461-5	Mueller 110® (CTS)*	3/4"	7"
H-1461-6	FIP	3/4"	7"
P-1461-K	Pack joint (CTS)	1"	7"
P-1461-5	Pack joint (CTS)*	3/4"	7"



(H-1461-K shown)

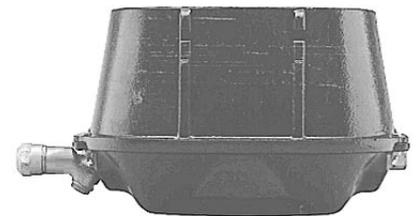
\* Inlet connections are integral to the meter box.

Note: Meter boxes will not be sold without the inlet coupling. Stretch boxes are supplied as standard with an ASSE double check valve.

Touch read hole available. Contact Mueller Customer Service Center for more information.

## With non-locking lid, horizontal inlet and 3/4" FIP coupling outlet

Catalog Number	Description	Inlet Size	Box Height
H-1462-F	Mueller 110® (IPS)	3/4"	7"
H-1462-K	Mueller 110® (CTS)	1"	7"
H-1462-4	Copper Flare*	3/4"	7"
H-1462-5	Mueller 110® (CTS)*	3/4"	7"
H-1462-6	FIP	3/4"	7"
P-1462-K	Pack joint (CTS)	1"	7"
P-1462-5	Pack joint (CTS)*	3/4"	7"



(H-1462-K shown)

\* Inlet connections are integral to the meter box.

Note: Meter boxes will not be sold without the inlet coupling. Stretch boxes are supplied as standard with an ASSE double check valve.

Touch read hole available. Contact Mueller Customer Service Center for more information.

8C - C.I. BOXES

See pages 8C.7-8C.9 for tubing or pipe that can be used with MUELLER 110®, Pack Joint and INSTA-TITE® connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

**With locking lid, horizontal inlet, ASSE dual check with 3/4" FIP horizontal coupling outlet**

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (IPS)	3/4"	7"	H-1454-F
MUELLER 110 (IPS)	3/4"	9"	H-1454-F
INSTA-TITE® (CTS)	3/4"	7"	H-1454-G
INSTA-TITE (CTS)	3/4"	9"	H-1454-G
INSTA-TITE (IPS)	3/4"	7"	H-1454-H
INSTA-TITE (IPS)	3/4"	9"	H-1454-H
MUELLER 110 (CTS)	1"	7"	H-1454-K
MUELLER 110 (CTS)	1"	9"	H-1454-K
COPPER FLARE *	3/4"	7"	H-1454-4
COPPER FLARE *	3/4"	9"	H-1454-4
MUELLER 110 (CTS) *	3/4"	7"	H-1454-5
MUELLER 110 (CTS) *	3/4"	9"	H-1454-5
PACK JOINT (CTS)	1"	7"	P-1454-K
PACK JOINT (CTS)	1"	9"	P-1454-K
PACK JOINT (CTS) *	3/4"	7"	P-1454-5
PACK JOINT (CTS) *	3/4"	9"	P-1454-5



**(H-1454-5 shown)**

\* Inlet connections are integral to the meter box.  
 Note: Meter boxes will not be sold without the inlet coupling.  
 Touch read hole available. Contact Mueller Customer Service Center for more information.

8C - C.I. BOXES

**With non-locking lid, horizontal inlet, ASSE dual check with 3/4" FIP horizontal coupling outlet**

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (IPS)	3/4"	7"	H-1455-F
MUELLER 110 (IPS)	3/4"	9"	H-1455-F
INSTA-TITE® (CTS)	3/4"	7"	H-1455-G
INSTA-TITE (CTS)	3/4"	9"	H-1455-G
INSTA-TITE (IPS)	3/4"	7"	H-1455-H
INSTA-TITE (IPS)	3/4"	9"	H-1455-H
MUELLER 110 (CTS)	1"	7"	H-1455-K
MUELLER 110 (CTS)	1"	9"	H-1455-K
COPPER FLARE *	3/4"	7"	H-1455-4
COPPER FLARE *	3/4"	9"	H-1455-4
MUELLER 110 (CTS) *	3/4"	7"	H-1455-5
MUELLER 110 (CTS) *	3/4"	9"	H-1455-5
PACK JOINT (CTS)	1"	7"	P-1455-K
PACK JOINT (CTS)	1"	9"	P-1455-K
PACK JOINT (CTS) *	3/4"	7"	P-1455-5
PACK JOINT (CTS) *	3/4"	9"	P-1455-5



**(H-1455-5 shown)**

\* Inlet connections are integral to the meter box.  
 Note: Meter boxes will not be sold without the inlet coupling.  
 Touch read hole available. Contact Mueller Customer Service Center for more information.

See pages 8C.7-8C.9 for tubing or pipe that can be used with MUELLER 110®, Pack Joint and INSTA-TITE® connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

# CAST IRON METER BOXES FOR 5/8"x3/4" METERS

**Mueller Co.**

**8C.3**

Rev. 9-09

**With locking lid, angle inlet, ASSE dual check with 3/4" FIP horizontal coupling outlet**

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (CTS)	3/4"	7"	H-1454-A
MUELLER 110 (CTS)	3/4"	9"	H-1454-A
INSTA-TITE® (CTS)	3/4"	7"	H-1454-B
INSTA-TITE (CTS)	3/4"	9"	H-1454-B
MUELLER 110 (IPS)	3/4"	7"	H-1454-C
MUELLER 110 (IPS)	3/4"	9"	H-1454-C
INSTA-TITE (IPS)	3/4"	7"	H-1454-D
INSTA-TITE (IPS)	3/4"	9"	H-1454-D
COPPER FLARE	3/4"	7"	H-1454-E
COPPER FLARE	3/4"	9"	H-1454-E
MUELLER 110 (CTS)	1"	7"	H-1454-J
COPPER FLARE *	3/4"	7"	H-1454-2
COPPER FLARE *	3/4"	9"	H-1454-2
MUELLER 110 (CTS) *	3/4"	7"	H-1454-3
MUELLER 110 (CTS) *	3/4"	9"	H-1454-3
PACK JOINT (CTS)	3/4"	7"	P-1454-A
PACK JOINT (CTS)	3/4"	9"	P-1454-A
PACK JOINT (CTS)	1"	7"	P-1454-J
PACK JOINT (CTS) *	3/4"	7"	P-1454-3
PACK JOINT (CTS) *	3/4"	9"	P-1454-3



**(P-1454-3 shown)**

\* Inlet connections are integral to the meter box.  
Note: Meter boxes will not be sold without the inlet coupling.  
Touch read hole available. Contact Mueller Customer Service Center for more information

**With non-locking lid, angle inlet, ASSE dual check with 3/4" FIP horizontal coupling outlet**

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (CTS)	3/4"	7"	H-1455-A
MUELLER 110 (CTS)	3/4"	9"	H-1455-A
INSTA-TITE® (CTS)	3/4"	7"	H-1455-B
INSTA-TITE (CTS)	3/4"	9"	H-1455-B
MUELLER 110 (IPS)	3/4"	7"	H-1455-C
MUELLER 110 (IPS)	3/4"	9"	H-1455-C
INSTA-TITE (IPS)	3/4"	7"	H-1455-D
INSTA-TITE (IPS)	3/4"	9"	H-1455-D
COPPER FLARE	3/4"	7"	H-1455-E
COPPER FLARE	3/4"	9"	H-1455-E
MUELLER 110 (CTS)	1"	7"	H-1455-J
MUELLER 110 (CTS)	1"	9"	H-1455-J
COPPER FLARE *	3/4"	7"	H-1455-2
COPPER FLARE *	3/4"	9"	H-1455-2
MUELLER 110 (CTS) *	3/4"	7"	H-1455-3
MUELLER 110 (CTS) *	3/4"	9"	H-1455-3
PACK JOINT (CTS)	3/4"	7"	P-1455-A
PACK JOINT (CTS)	3/4"	9"	P-1455-A
PACK JOINT (CTS)	1"	7"	P-1455-J
PACK JOINT (CTS)	1"	7"	P-1455-J
PACK JOINT (CTS) *	3/4"	7"	P-1455-3
PACK JOINT (CTS) *	3/4"	9"	P-1455-3



**(P-1455-3 shown)**

\* Inlet connections are integral to the meter box.  
Note: Meter boxes will not be sold without the inlet coupling.  
Touch read hole available. Contact Mueller Customer Service Center for more information.

See pages 8C.5, 8C.6 and 8C.7 for tubing or pipe that can be used with MUELLER 110®, Pack Joint and INSTA-TITE® connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

**8C - C.I. BOXES**

### With locking lid, horizontal inlet and 3/4" FIP coupling outlet

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (IPS)	3/4"	7"	H-1452-F
MUELLER 110 (IPS)	3/4"	9"	H-1452-F
INSTA-TITE® (CTS)	3/4"	7"	H-1452-G
INSTA-TITE (CTS)	3/4"	9"	H-1452-G
INSTA-TITE (IPS)	3/4"	7"	H-1452-H
INSTA-TITE (IPS)	3/4"	9"	H-1452-H
MUELLER 110 (CTS)	1"	7"	H-1452-K
MUELLER 110 (CTS)	1"	9"	H-1452-K
COPPER FLARE *	3/4"	7"	H-1452-4
COPPER FLARE *	3/4"	9"	H-1452-4
MUELLER 110 (CTS) *	3/4"	7"	H-1452-5
MUELLER 110 (CTS) *	3/4"	9"	H-1452-5
PACK JOINT (CTS)	1"	7"	P-1452-K
PACK JOINT (CTS)	1"	9"	P-1452-K
PACK JOINT (CTS) *	3/4"	7"	P-1452-5
PACK JOINT (CTS) *	3/4"	9"	P-1452-5



**(H-1452-5 shown)**

\* Inlet connections are integral to the meter box.

Note: Meter boxes will not be sold without the inlet coupling.

Touch read hole available. Contact Mueller Customer Service Center for more information.

### With non-locking lid, horizontal inlet and 3/4" FIP coupling outlet

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER® 110® (IPS)	3/4"	7"	H-1453-F
MUELLER 110 (IPS)	3/4"	9"	H-1453-F
INSTA-TITE® (CTS)	3/4"	7"	H-1453-G
INSTA-TITE (CTS)	3/4"	9"	H-1453-G
INSTA-TITE (IPS)	3/4"	7"	H-1453-H
INSTA-TITE (IPS)	3/4"	9"	H-1453-H
MUELLER 110 (CTS)	1"	7"	H-1453-K
MUELLER 110 (CTS)	1"	9"	H-1453-K
COPPER FLARE *	3/4"	7"	H-1453-4
COPPER FLARE *	3/4"	9"	H-1453-4
MUELLER 110 (CTS) *	3/4"	7"	H-1453-5
MUELLER 110 (CTS) *	3/4"	9"	H-1453-5
PACK JOINT (CTS)	1"	7"	P-1453-K
PACK JOINT (CTS)	1"	9"	P-1453-K
PACK JOINT (CTS) *	3/4"	7"	P-1453-5
PACK JOINT (CTS) *	3/4"	9"	P-1453-5



**(P-1453-5 shown)**

\* Inlet connections are integral to the meter box.

Note: Meter boxes will not be sold without the inlet coupling.

Touch read hole available. Contact Mueller Customer Service Center for more information.

See pages 8C.5, 8C.6 and 8C.7 for tubing or pipe that can be used with MUELLER 110®, Pack Joint and INSTA-TITE® connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

# CAST IRON METER BOXES FOR 5/8"x3/4" METERS

**Mueller Co.**

**8C.1**

Shaded area indicates change Rev. 9-09

## With locking lid, angle inlet and 3/4" FIP horizontal coupling outlet

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (CTS)	3/4"	7"	H-1452-A
MUELLER 110 (CTS)	3/4"	9"	H-1452-A
INSTA-TITE® (CTS)	3/4"	7"	H-1452-B
INSTA-TITE (CTS)	3/4"	9"	H-1452-B
MUELLER 110 (IPS)	3/4"	7"	H-1452-C
MUELLER 110 (IPS)	3/4"	9"	H-1452-C
INSTA-TITE (IPS)	3/4"	7"	H-1452-D
INSTA-TITE (IPS)	3/4"	9"	H-1452-D
COPPER FLARE	3/4"	7"	H-1452-E
COPPER FLARE	3/4"	9"	H-1452-E
MUELLER 110 (CTS)	1"	7"	H-1452-J
MUELLER 110 (CTS)	1"	9"	H-1452-J
COPPER FLARE *	3/4"	7"	H-1452-2
COPPER FLARE *	3/4"	9"	H-1452-2
MUELLER 110 (CTS) *	3/4"	7"	H-1452-3
MUELLER 110 (CTS) *	3/4"	9"	H-1452-3
PACK JOINT (CTS)	3/4"	7"	P-1452-A
PACK JOINT (CTS)	3/4"	9"	P-1452-A
PACK JOINT (CTS)	1"	7"	P-1452-J
PACK JOINT (CTS)	1"	9"	P-1452-J
PACK JOINT (CTS) *	3/4"	7"	P-1452-3
PACK JOINT (CTS) *	3/4"	9"	P-1452-3



(H-1452-3 shown)

\* Inlet connections are integral to the meter box.  
Note: Meter boxes will not be sold without the inlet coupling.  
Touch read hole available. Contact Mueller Customer Service Center for more information.

## With non-locking lid, angle inlet and 3/4" FIP horizontal coupling outlet

Inlet Coupling	Inlet Size	Box Height	Catalog Number
MUELLER 110® (CTS)	3/4"	7"	H-1453-A
MUELLER 110 (CTS)	3/4"	9"	H-1453-A
INSTA-TITE® (CTS)	3/4"	7"	H-1453-B
INSTA-TITE (CTS)	3/4"	9"	H-1453-B
MUELLER 110 (IPS)	3/4"	7"	H-1453-C
MUELLER 110 (IPS)	3/4"	9"	H-1453-C
INSTA-TITE (IPS)	3/4"	7"	H-1453-D
INSTA-TITE (IPS)	3/4"	9"	H-1453-D
COPPER FLARE	3/4"	7"	H-1453-E
COPPER FLARE	3/4"	9"	H-1453-E
COPPER FLARE *	3/4"	7"	H-1453-2
COPPER FLARE *	3/4"	9"	H-1453-2
MUELLER 110 (CTS) *	3/4"	7"	H-1453-3
MUELLER 110 (CTS) *	3/4"	9"	H-1453-3
PACK JOINT (CTS)	3/4"	7"	P-1453-A
PACK JOINT (CTS)	3/4"	9"	P-1453-A
PACK JOINT (CTS) *	3/4"	7"	P-1453-3
PACK JOINT (CTS) *	3/4"	9"	P-1453-3



(P-1453-3 shown)

\* Inlet connections are integral to the meter box.  
Note: Meter boxes will not be sold without the inlet coupling.  
Touch read hole available. Contact Mueller Customer Service Center for more information.

See pages 8C.5, 8C.6 and 8C.7 for tubing or pipe that can be used with MUELLER 110®, Pack Joint and INSTA-TITE® connections.

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

**8B.10** **Mueller Co.**

Rev. 9-09

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8B - C.I. YOKES

**Mueller Co.**

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# MUELLER 110<sup>®</sup> COMPRESSION CONNECTION & PACK JOINT INFORMATION

**Mueller Co.**

# 8B.9

Shaded area indicates change Rev. 9-09

## Tubing, pipe and liners used with MUELLER 110 Compression Connection

Nominal size of connection	Material*	Tubing or pipe O.D. range - inches	Tubing or pipe O.D. range - inches	Tubing or pipe I.D. range - inches	Liner part number
1/2" CTS	Type "K" copper	0.622 - 0.628	0.045 - 0.053	-	-
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385

\*Type "K" soft copper tubing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9;

## MUELLER 110 Compression Connection replacement parts

Size	Kit	Gasket part number†	Connection nut
1/2" CTS		681516	147542
3/4" CTS	682600	581949	507831
1" CTS	682601	581951	507835



†Gasket and gripper band assembly

## Adapter Nut for pre-1976 style Mueller 110 Compression Connection for CTS tubing

Kit includes one standard Gasket (same used with current style 110 connections) and a special Nut that adapts to the older style connection threads on the fittings. It is installed in the same way as the current style connection (Gasket conductor spring should be toward fitting body).

Size	Connection kit
3/4" CTS	682552
1" CTS	682551



## MUELLER<sup>®</sup> Pack Joint Connection Kits † (includes nut, gasket and washer)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Part Number
3/4" CTS or CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	681921
1" CTS or CTS PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	681922



**Pack Joint Kit**

† 3/4" & 1" size kits (CTS only) will interchange with valves or fittings using Mueller<sup>®</sup> 110<sup>®</sup> Compression Connections (CTS).

## Tubing, pipe & liners for MUELLER Pack Joint Connection (not required for Type "K" Copper Pipe)

Nominal Size of Connection	Tubing or Pipe O.D. range - Inches	Tubing of Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches	Length of Liner (in inches)	Part Number
3/4" CTS or CTS PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	1.625	528704
1" CTS or CTS PE	1.120 - 1.130	0.125 - .0137	0.846 - 0.880	2.125	528705



MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.

Rev. 9-09

## Copper flare connection optional equipment

### Copper flare nut



CATALOG NUMBER: **H-15430**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

### Solid copper disc



Used with regular copper flare nut to shut off line.

CATALOG NUMBER: **H-15535**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

### Brass cap



Fits on copper flare spud to cap off line.

CATALOG NUMBER: **H-15540**

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	----	--------	--------	----

### Flaring tool



Used to make 45° flare on type "K" copper tubing.

CATALOG NUMBER: **H-18000**

1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	------	----	--------	--------	----

### Drilled flaring tool



Used to make 45° flare on type "K" copper tubing without shutting off water-drilled to exhaust water at right angle to tubing.

CATALOG NUMBER: **H-18005**

3/4"	1"
------	----

### Reamer



Used to ream the inside of type "K" copper tubing to remove burrs prior to flaring.

CATALOG NUMBER: **H-18010**

### Brass Hammer



Solid brass head with 10" wooden handle. Weight 2-3/4 lb.

CATALOG NUMBER: **H-18025**

**Note: When using any striking tool, safety eye protection must be worn. Inspect hammer and tools for any damage after each use and repair or replace if mushrooming or chipping is evident.**

# IRON YOKE COUPLINGS

(SEE NOTE AT BOTTOM OF PAGE)



Quarter bend coupling  
Lock nut x F.I.P.

## H-14214

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1



Quarter bend coupling  
Lock nut x M.I.P.

## H-14238

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1



Quarter bend coupling  
Lock nut x MUELLER 110  
Conductive Compression  
Connection for CTS O.D.\* tubing

## H-14207

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

**MUELLER Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

(SEE NOTE AT BOTTOM OF PAGE)

Rev. 9-09 Shaded area indicates change



Straight coupling  
Lock nut x MUELLER 110®  
Conductive Compression  
Connection for CTS O.D.\* tubing

**H-14218**

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1



Straight coupling  
Lock nut x MUELLER® Pack  
Joint Connection for CTS  
O.D.\* tubing

**P-14218**

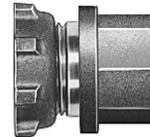
Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1



Straight coupling  
Lock nut x Copper flare nut

**H-14216**

Catalog size	5/8x3/4	5/8x3/4x3/4	
Meter size	5/8	5/8x3/4, 3/4	
Tubing size	3/4	3/4	



Straight coupling  
Lock nut x F.I.P.

**H-14219**

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1



Straight coupling  
Lock nut x Male lock nut thread

**H-14217**

Catalog size	1		
Meter size	1		
Pipe size	1		



Quarter bend coupling  
Lock nut x MUELLER® Pack  
Joint Connection for CTS  
O.D.\* tubing

**P-14207**

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Tubing size	3/4	3/4	1



Quarter bend coupling  
Lock nut x MUELLER 110  
Conductive Compression  
Connection for CTS O.D.\* tubing.  
With test valve

**H-14237**

Catalog size	5/8x3/4	5/8x3/4x3/4	
Meter size	5/8	5/8x3/4, 3/4	
Tubing size	3/4	3/4	



Quarter bend coupling  
Lock nut x MUELLER Pack  
Joint Connection for CTS  
O.D.\* tubing. With test  
valve.

**P-14237**

Catalog size	5/8x3/4	5/8x3/4x3/4	
Meter size	5/8	5/8x3/4, 3/4	
Tubing size	3/4	3/4	



Quarter bend coupling  
Lock nut x Copper flare nut  
With test valve

**H-14236**

Catalog size	5/8x3/4	5/8x3/4x3/4	
Meter size	5/8	5/8x3/4, 3/4	
Tubing size	3/4	3/4	



Quarter bend coupling  
Lock nut x Copper flare nut

**H-14202**

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	3/4	1

\*See charts on page 8B.8 for tubing that may be used with these connections.

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

8B - C.I. YOKES

# INLINE, ANGLE AND TOP ENTRY IRON YOKE CHECK VALVES (SEE NOTE AT BOTTOM OF PAGE)

**Mueller Co.**

# 8B.5

Shaded area indicates change Rev. 9-09



**H-14245**

Angle dual check valve  
**Inlet:** Lock nut  
**Outlet:** MUELLER 110™ Conductive Compression Connection for CTS O.D.\* tubing. To order ASSE approved model add suffix (-A) to catalog number. Example: H-14245-A

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



**P-14245**

Angle dual check valve  
**Inlet:** Lock nut  
**Outlet:** MUELLER Pack Joint Connection for CTS O.D.\* tubing. To order ASSE approved model add suffix (-A) to catalog number. Example: P-14245-A

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



**H-14246**

Angle dual check valve  
**Inlet:** Lock nut  
**Outlet:** Copper flare nut  
 To order ASSE approved model add suffix (-A) to catalog number. Example: H-14246-A

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



**H-14248**

Angle dual check valve  
**Inlet:** Lock nut  
**Outlet:** F.I.P.  
 To order ASSE approved model add suffix (-A) to catalog number. Example: H-14248-A

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Pipe size	3/4	3/4



**H-14247**

Straight dual check valve  
**Inlet:** Lock nut  
**Outlet:** F.I.P.  
 To order ASSE approved model add suffix (-A) to catalog number. Example: H-14247-A

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Pipe size	3/4	3/4



**H-14464-A**

Top entry vertical check valve ASSE approved  
**Inlet:** Lock nut  
**Outlet:** F.I.P.  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1



**H-14466-A**

Top entry vertical check valve ASSE approved  
**Inlet:** Lock nut  
**Outlet:** MUELLER 110 Conductive Compression Connection for CTS O.D.\* tubing  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1



**H-14464-A**

Top entry vertical check valve ASSE approved  
**Inlet:** Lock nut  
**Outlet:** MUELLER Pack Joint Connection for CTS O.D.\* tubing  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	5/8x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8	1
Pipe size	3/4	3/4	3/4	1	1



**H-14465-A**

Top entry vertical check valve ASSE approved  
**Inlet:** Lock nut  
**Outlet:** Copper flare nut  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1



**H-14467-A**

Top entry vertical check valve ASSE approved  
**Inlet:** Lock nut  
**Outlet:** M.I.P.  
 To order test valve feature add suffix (-05) to catalog number

Catalog size	5/8x3/4	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1	1

\* See charts on page 8B.8 for tubing that may be used with these connections.

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

8B - C.I. YOKE

# 8B.4

# Mueller Co. STRAIGHT MUELLER® MARKII ORISEAL® AND ANGLE IRON YOKE METER VALVES (SEE NOTE AT BOTTOM OF PAGE)

Rev. 9-09



MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER 110™ Conductive  
Compression Connection for CTS  
O.D.\* tubing x lock nut  
Quarter turn check - lock wing

## H-14359

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



MUELLER MARK II ORISEAL  
Straight Meter Valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x lock nut  
Quarter turn check - lock wing

## P-14359

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



MUELLER MARK II ORISEAL  
Straight Meter Valve  
Copper flare nut x lock nut  
Quarter turn check - lock wing

## H-14358

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



MUELLER MARK II ORISEAL  
Straight Meter Valve  
F.I.P. x lock nut.  
Quarter turn check - lock wing

## H-14360

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
MUELLER 110 Conductive  
Compression Connection for CTS  
O.D.\* tubing x lock nut  
180° turn check - lock wing

## H-14273

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
MUELLER Pack Joint Connection  
for CTS O.D.\* tubing x lock nut  
180° turn check - lock wing

## P-14273

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
Copper flare nut x lock nut  
180° turn check-lock wing

## H-14264

Catalog size	5/8x3/4	5/8x3/4x3/4
Meter size	5/8	5/8x3/4, 3/4
Tubing size	3/4	3/4



Angle meter valve  
F.I.P. x lock nut  
180° turn check - lock wing

## H-14278

Catalog size	5/8x3/4	5/8x3/4x3/4	1
Meter size	5/8	5/8x3/4, 3/4	1
Pipe size	3/4	3/4	1

\* See charts on page 8B.8 for tubing that may be used with these connections.

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

# ANGLE AND STRAIGHT IRON METER YOKE BALL VALVES (SEE NOTE AT BOTTOM OF PAGE)



# 8B.3

Shaded area indicates change Rev. 9-09



**E-24273**

MUELLER 300 Ball Angle Meter Valve. MUELLER® Pack Joint Connection for IPS PE\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: E-24273-3

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4,3/4
Port size	3/4
Tubing size	3/4



**B-24279**

MUELLER 300 Ball Angle Meter Valve. MUELLER® 110 Compression Connection for IPS PE\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24279-3

Catalog size	5/8x3/4x3/4
Meter size	5/8x3/4,3/4
Port size	3/4
Tubing size	3/4



**V-25103**

MUELLER 300 Ball Angle Meter Valve. MUELLER® Pack Joint Connection for PVC\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: V-25103-3

Catalog size	1
Meter size	1
Port size	1
Tubing size	1

## RECLAIMED WATER STYLE:

Valves area available marked for "reclaimed water" by adding "-20" to the catalog number. Example: B-24279-20.

8B - C.I. YOKES

\* See charts on page 8B.8 for tubing that may be used with these connections.

† "R" indicates Reduced port valve. Port size is one nominal size smaller than the valve inlet/outlet

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

# 8B.2 **Mueller Co.**

# ANGLE AND STRAIGHT IRON METER YOKE BALL VALVES (SEE NOTE AT BOTTOM OF PAGE)

Rev. 4-01



**B-24273**

MUELLER® 300™ Ball Angle Meter Valve. MUELLER 110® Conductive Compression Connection for CTS O.D.\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24273-3



**P-24273**

MUELLER 300 Ball Angle Meter Valve. MUELLER® Pack Joint Connection for CTS O.D.\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: P-24273-3

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	5/8x3/4x1	5/8x1	1R†	1
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8	1	1
Port size	5/8	3/4	5/8	3/4	3/4	3/4	3/4	1
Tubing size	3/4	3/4	3/4	3/4	1	3/4	1	1

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	5/8x3/4x1	1R†	1
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Port size	5/8	3/4	5/8	3/4	3/4	3/4	1
Tubing size	3/4	3/4	3/4	3/4	1	1	1



**B-24264**

MUELLER 300 Ball Angle Meter Valve. Copper flare nut x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24264-3



**B-24278**

MUELLER 300 Ball Angle Meter Valve. F.I.P. x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24278-3

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	5/8x3/4x1	5/8x1	1R†	1
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8x3/4, 3/4	5/8	1	1
Port size	5/8	3/4	5/8	3/4	3/4	3/4	3/4	1
Tubing size	3/4	3/4	3/4	3/4	1	3/4	1	1

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	1R†	1
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1
Port size	5/8	3/4	5/8	3/4	3/4	1
Pipe size	3/4	3/4	3/4	3/4	1	1



**B-24359**

MUELLER 300 Ball Straight Meter Valve. MUELLER 110 Conductive Compression Connection for CTS O.D.\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24359-3



**P-24359**

MUELLER 300 Ball Straight Meter Valve. MUELLER Pack Joint Connection for CTS O.D.\* tubing x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: P-24359-3

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	1R†	1	1x5/8x3/4R†
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1	5/8x3/4, 3/4
Port size	5/8	3/4	5/8	3/4	3/4	1	3/4
Tubing size	3/4	3/4	3/4	3/4	1	1	1

Catalog size	5/8x3/4R†	5/8x3/4	5/8x3/4x3/4R†	5/8x3/4x3/4	1R†	1	1x5/8x3/4R†
Meter size	5/8	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1	5/8x3/4, 3/4
Port size	5/8	3/4	5/8	3/4	3/4	1	3/4
Tubing size	3/4	3/4	3/4	3/4	1	1	1



**B-24358**

MUELLER 300 Ball Straight Meter Valve. Copper flare nut x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24358-3



**B-24360**

MUELLER 300 Ball Straight Meter Valve. F.I.P. x lock nut. Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number. Example: B-24360-3

Catalog size	5/8x3/4x3/4	1R†	1	1x3/4R
Meter size	5/8x3/4, 3/4	1	1	1x3/4
Port size	3/4	3/4	1	3/4
Pipe size	3/4	1	1	1

Catalog size	5/8x3/4R†	5/8x3/4x3/4R†	5/8x3/4x3/4	1R†	1	1x5/8x3/4R†
Meter size	5/8	5/8x3/4, 3/4	5/8x3/4, 3/4	1	1	5/8x3/4, 3/4
Port size	5/8	5/8	3/4	3/4	1	3/4
Pipe size	3/4	3/4	3/4	1	1	1

\* See charts on page 8B.8 for tubing that may be used with these connections.

† "R" indicates Reduced port valve. Port size is one nominal size smaller than the valve inlet/outlet

Note: A complete assembly consists of a bar and expansion wheel from page 8B.1 and inlet and outlet fittings from this section (8B).

**MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

8B - C.I. YOKES

# IRON METER YOKES (SEE NOTE AT BOTTOM OF PAGE) AND EQUIPMENT

**Mueller Co.**

**8B.1**

Rev. 9-09



Iron meter yoke for 5/8" meters

**H-5010**

Catalog size	5/8
Meter size	5/8



Iron meter yoke for 5/8" meters  
With stabilizing prongs to support yoke on 3/4" iron pipe stakes when yoke is attached to plastic service lines.

**H-5010P**

Catalog size	5/8
Meter size	5/8



Iron meter yoke for 5/8"x3/4" meters

**H-5020**

Catalog size	5/8x3/4
Meter size	5/8x3/4



Iron meter yoke for 5/8"x3/4" meters. With stabilizing prongs to support yoke on 3/4" iron pipe stakes when yoke is attached to plastic service lines.

**H-5020P**

Catalog size	5/8x3/4
Meter size	5/8x3/4



Iron meter yoke for 3/4" meters

**H-5030**

Catalog size	3/4
Meter size	3/4



Iron meter yoke for 3/4" meters  
With stabilizing prongs to support yoke on 3/4" iron pipe stakes when yoke is attached to plastic service lines.

**H-5030P**

Catalog size	3/4
Meter size	3/4



Iron meter yoke for 1" meters

**H-5040**

Catalog size	1
Meter size	1



Iron meter yoke for 1" meters  
With stabilizing prongs to support yoke on 3/4" iron pipe stakes when yoke is attached to plastic service lines.

**H-5040P**

Catalog size	1
Meter size	1



Expansion handwheel

Three piece, O-ring sealed for positive, trouble free operation.

**H-14234**

Catalog size	5/8	3/4	1
Meter size	5/8	5/8x3/4, 3/4	1

For optional Garlock gasket (white) at meter end, add suffix 990006"

The lock nuts needed for attaching valves and couplings to the yoke are supplied with each valve or coupling. Lock nuts have durable rubber gaskets to seal the meter to the yoke ends. Additional lock nuts and gaskets can be ordered separately. Since the lock nut threading on valves, stops and couplings is uniform, lock nuts are easily switched when making a changeover from 5/8" meters to 5/8"x3/4" and 3/4" water meters.

Note: A complete assembly consists of a bar and expansion wheel from this page and inlet and outlet fittings from this section (8B).



Part number	Catalog size	Meter size
509326	5/8	5/8
509316	3/4	5/8x3/4, 3/4
526268	1	1
310814	5/8	5/8
310502	3/4	5/8x3/4, 3/4
311335	1	1

8B - C.I. YOKES

**MUELLER Couplings are manufactured and tested in accordance with ANSI/AWWA C800.**

## Polyethylene PE Tubing and Pipe used with MUELLER INSTA-TITE Connections

Nominal Size of Connection	Material	Tubing or Pipe O.D. range - Inches	Tubing or Pipe Wall Thickness range - Inches	Tubing or Pipe I.D. Range - Inches
3/4" CTS	Polyethylene PE	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685
1" CTS	Polyethylene PE	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880
3/4" IPS	Polyethylene PE	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834
1" IPS	Polyethylene PE	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059

CTS polyethylene (PE) per ASTM D-2737 SDR-9

IPS polyethylene (PE) per ASTM D-2239 PE SIDR-7

## MUELLER INSTA-TITE Connection replacement parts

Size	Gripper ring part number	O-Ring part number
3/4" CTS (red gripper)	506325	506324
1" CTS (red gripper)	506327	506326
3/4" IPS (white gripper)	505885	505883
1" IPS (white gripper)	505886	505884



Gripper Ring



O-ring

## Optional tools for use with MUELLER INSTA-TITE Connections

### Pipe beveling tool

To assure proper installation, the end of the pipe or tubing must be properly beveled before it is inserted into the MUELLER INSTA-TITE Connection. MUELLER CO. offers a special tool for beveling.

PART NUMBER: **H-18015** for 3/4" and 1" CTS

PART NUMBER: **H-18017** for 3/4" and 1" IPS



### Pipe removal tool

Pipe or tubing may be removed from the MUELLER INSTA-TITE Connection using special removal

tools. Use one tool for 3/4" size connection and two tools for 1" size.

PART NUMBER: **506336**



# MUELLER<sup>®</sup> PACK JOINT CONNECTION INFORMATION

**Mueller Co.** **8A.51**

Rev. 9-09

## Tubing, pipe and liners used with MUELLER Pack Joint Connection

Nominal size of connection	Material*	Tubing or pipe O.D. range - inches	Tubing or pipe O.D. range - inches	Tubing or pipe I.D. range - inches	Liner part number
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	528704
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	528705
3/4" IPS	Polyethylene	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.113 - 0.133	0.780 - 0.828	509759
	3/4" Sch. 80 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509760
1" IPS	Polyethylene	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142
	1" Sch. 40 PVC	1.310 - 1.320	0.133 - 0.153	-	-
	1" Sch. 80 PVC	1.310 - 1.320	0.179 - 0.200	-	-

\*Type "K" soft copper tubing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9; IPS polyethylene (PE) per ASTM D-2239 - PE SIDR-7 ;IPS polyvinylchloride (PVC) per ASTM D1785



**Liner**

## MUELLER Pack Joint Connection Kit

Size	Connection kit
3/4" CTS	681921
1" CTS	681922
1-1/2" CTS	681923
2" CTS	681924



**Connection Kit**

(includes Pack Joint, Gasket and Washer)

8A - COPPER YOKES

## Tubeing, pipe and liners used with MUELLER 110 Compression Connection

Nominal size of connection	Material*	Tubing or pipe O.D. range - inches	Tubing or pipe O.D. range - inches	Tubing or pipe I.D. range - inches	Liner part number
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	504281
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	504385
3/4" IPS	Polyethylene	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.113 - 0.133	0.780 - 0.828	509759
	3/4" Sch. 80 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509760
1" IPS	Polyethylene	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142
	1" Sch. 40 PVC	1.310-1.320	0.133-0.153	-	-
	1" Sch. 80 PVC	1.310-1.320	0.179-0.200	-	-

\*Type "K" soft copper tubing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9; IPS polyethylene (PE) per ASTM D-2239 - PE SIDR-7; IPS polyvinylchloride (PVC) per ASTM D1785



Liner

## MUELLER 110 Compression Connection replacement parts

Size	Kit	Gasket part number†	Connection nut
3/4" CTS	682600	581949	507831
1" CTS	682601	581951	507835
3/4" IPS PE		89599	508826
1" IPS PE		89788	508827



Gasket

Nut

†Gasket and gripper band assembly

## Adapter Nut for pre-1976 style Mueller 110 Compression Connection for CTS tubing

Kit includes one standard Gasket (same used with current style 110 connections) and a special Nut that adapts to the older style connection threads on the fittings. It is installed in the same way as the current style connection (Gasket conductor spring should be toward fitting body).

Size	Connection kit
3/4" CTS	682552
1" CTS	682551



# END CONNECTIONS FOR COPPER METER YOKES WITH MULTI-PURPOSE ENDS

**Mueller Co.** **8A.49**

Shaded area indicates change Rev. 9-09

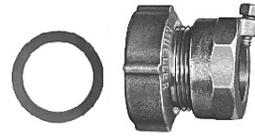
8A - COPPER YOKES



Straight coupling  
Multi-purpose thread x  
copper flare or F.I.P.\*

**H-14222**

Catalog number	5/8x3/4x3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
Tubing or pipe size	3/4	1



Straight coupling  
Multi-purpose thread x  
compression connection with  
plain gasket and locking type  
nut for steel pipe

**H-14221**

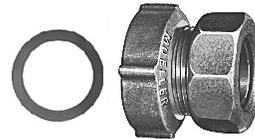
Catalog size	5/8x3/4x3/4
Meter size	5/8, 5/8x3/4, 3/4
Pipe size	3/4



Straight coupling  
Multi-purpose thread x  
copper flare nut

**H-14224**

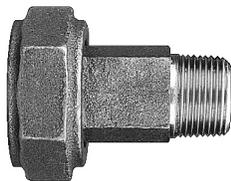
Catalog size	5/8x3/4x3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
Tubing size	3/4	1



Straight coupling  
Multi-purpose thread x  
compression connection with  
plain gasket for steel pipe

**H-14220**

Catalog size	5/8x3/4x3/4
Meter size	5/8, 5/8x3/4, 3/4
Pipe size	3/4



Straight coupling  
Multi-purpose thread x  
copper flare or M.I.P.  
thread\*

**H-14223**

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8", 5/8"X3/4", 3/4"		1
Tubing or pipe size	3/4	1	1



Straight coupling  
Multi-purpose thread x  
sweat-joint solder connection

**H-14231**

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8, 5/8x3/4, 3/4		1
Tubing size	3/4	1	1



Straight coupling  
F.I.P spud x F.I.P thread  
tailpiece

**H-14211**

Catalog size	3/4	1
Meter size	3/4	1
Tubing size	1	1

\*This coupling can be used to make a copper flare connection or a threaded iron pipe connection.

Rev. 8-04

8A - COPPER YOKES



Straight coupling  
Multi-purpose thread x  
MUELLER 110<sup>®</sup> Conductive  
Compression Connection for  
CTS O.D.\* tubing

## H-14227

Catalog size	5/8x3/4x3/4	5/8x3/4x1	1
Meter size	5/8, 5/8x3/4, 3/4	5/8, 5/8x3/4, 1	1
Tubing size	3/4	1	1



Straight coupling  
Multi-purpose thread x  
MUELLER<sup>®</sup> Pack Joint  
Connection for CTS O.D.\*  
tubing

## P-14227

Catalog size	5/8x3/4x3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
Tubing size	3/4	1



Straight coupling  
Multi-purpose thread x  
MUELLER 110 Compression  
Connection for IPS\* PE pipe

## H-14228

Catalog size	5/8x3/4x3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
Pipe size	3/4	1



Straight coupling  
Multi-purpose thread x  
MUELLER INSTA-TITE<sup>®</sup>  
Connection for CTS O.D.\*  
PE tubing

## H-14230

Catalog size	5/8x3/4x3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
Tubing size	3/4	1



Straight coupling  
F.I.P x male multi-purpose  
thread  
Used to adapt M.I.P. yokes to  
multi-purpose couplings

## 507310 / 507311

Part no.	507310	507311
Catalog size	3/4	1
Meter size	5/8, 5/8x3/4, 3/4	1
pipe size	3/4	1



Straight coupling  
Multi-purpose thread x  
MUELLER INSTA-TITE  
Connection for IPS\* PE  
plastic pipe

## H-14229

Catalog size	5/8x3/4x3/4	3/4x1	1
Meter size	5/8, 5/8x3/4, 3/4	5/8x3/4x3/4	1
Tubing size	3/4	1	1



Straight coupling  
Multi-purpose thread x  
MUELLER Pack Joint  
Connection for IPS\* PE  
pipe

## E-14228

Catalog size	5/8x3/4x3/4
Meter size	5/8, 5/8x3/4, 3/4
Tubing size	3/4

\*See charts on pages 8A.50 - 8A.52 for tubing and pipe that may be used with these connections.

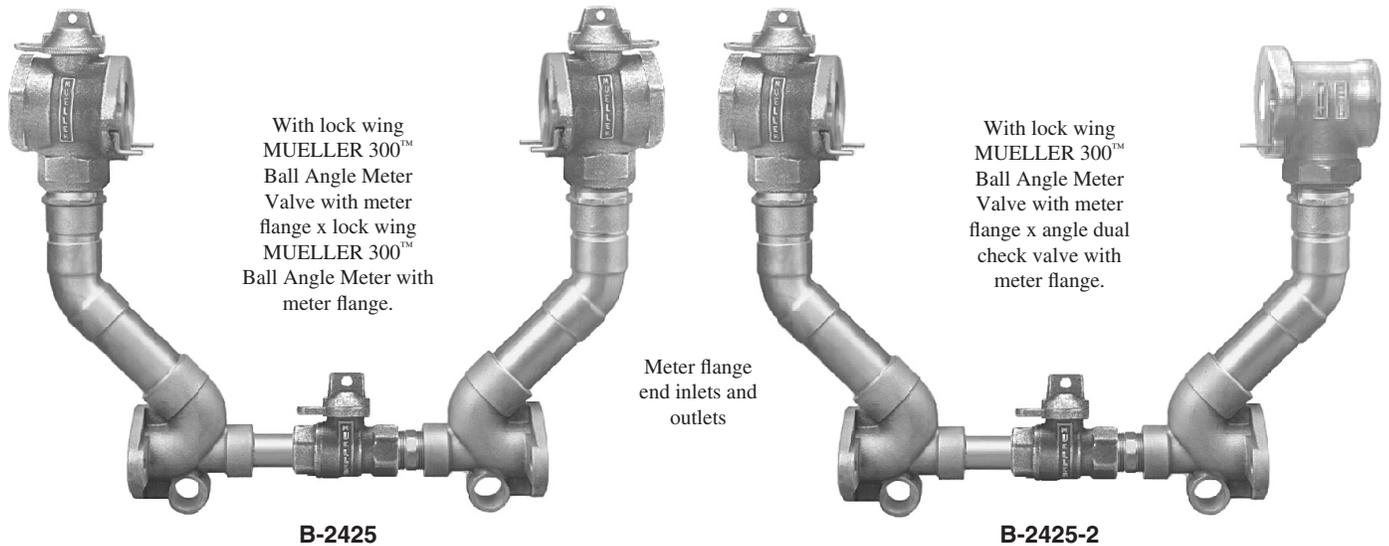
# METER RESETTERS WITH HORIZONTAL INLET AND OUTLET AND BYPASS (FOR 2" FLANGED METERS)

**Mueller Co.**

**8A.47**

Rev. 9-09

**8A - COPPER YOKES**

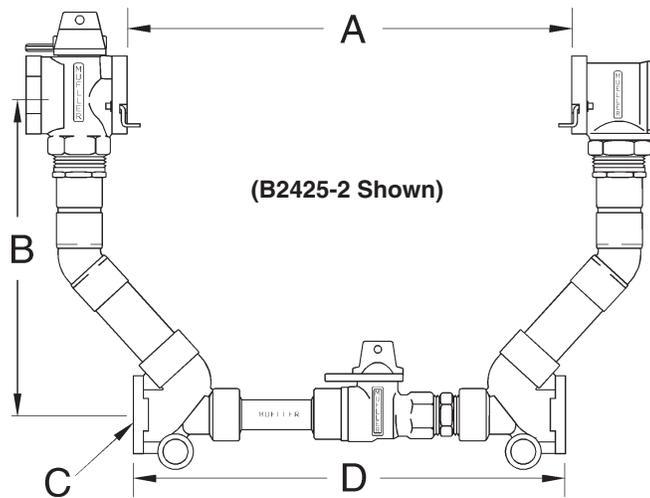


## 2" Copper meter resetters (with bypass)

Catalog number	B-2425	B-2425-2 *
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange x lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

NOTE: 1-1/2" Available only with High By-pass

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



## Dimensions

<b>Meter size</b>	<b>2"</b>
Dimension A	17.25"
Dimension B - riser height	14", 15", 16", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	2"
Dimension D	17"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

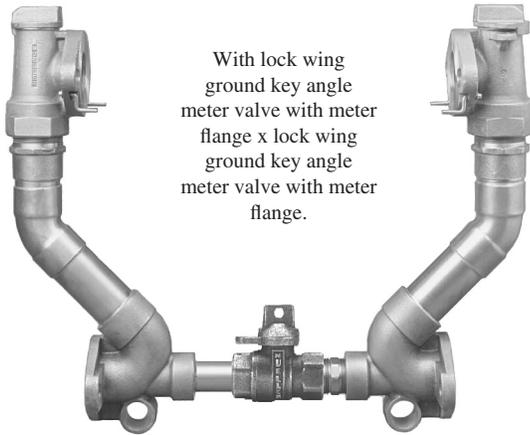
# 8A.46



# METER RESETTERS WITH HORIZONTAL INLET AND OUTLET AND BYPASS (FOR 2" FLANGED METERS)

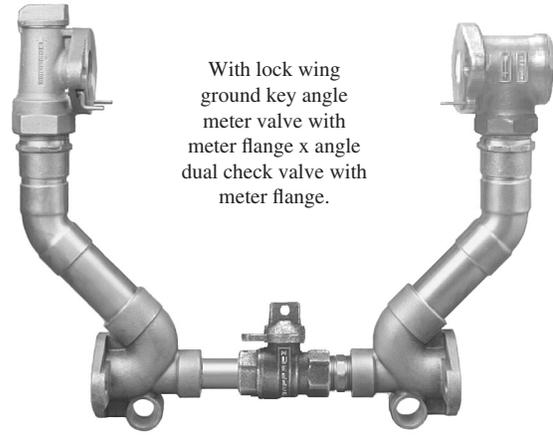
Rev. 8-04

8A - COPPER YOKES



With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

**H-1425**



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.

**H-1425-2**

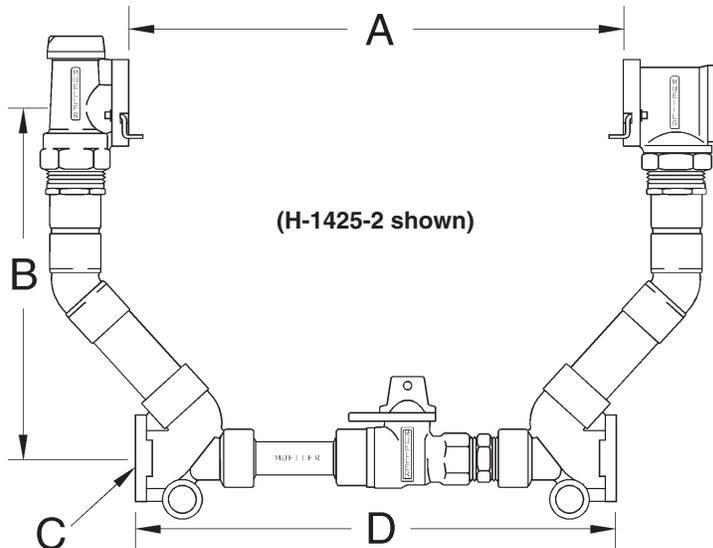
Meter flange end inlets and outlets

## 2" Copper meter resetters (with bypass)

Catalog number	H-1425	H-1425-2*
Description	With lock wing ground key angle meter valve with meter flange x ground key angle meter valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

NOTE: 1-1/2" Available only with High By-pass

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	2"
Dimension A	17.25"
Dimension B - riser height	14", 15", 16", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	2"
Dimension D	17"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

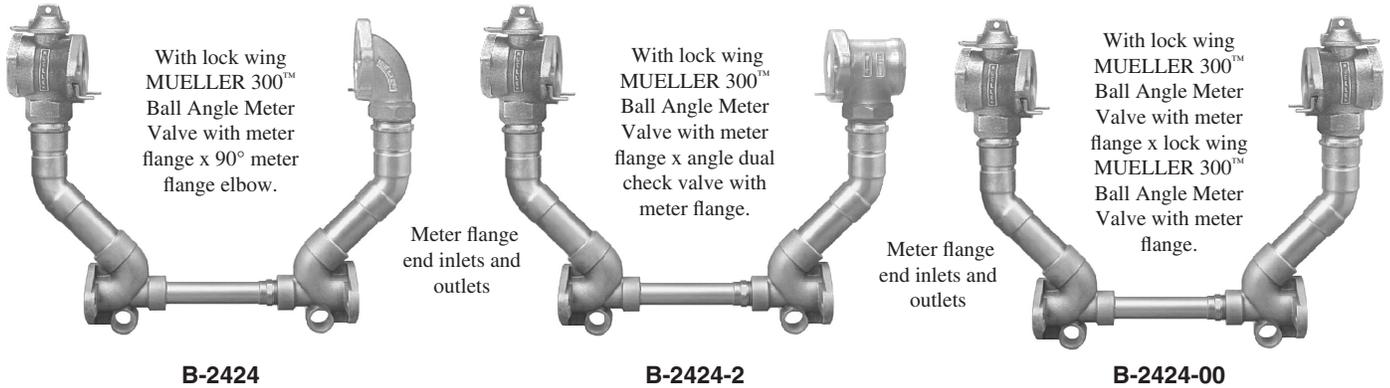
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# METER RESETTERS WITH HORIZONTAL INLET AND OUTLET (FOR 2" FLANGED METERS)

**Mueller Co.** **8A.45**

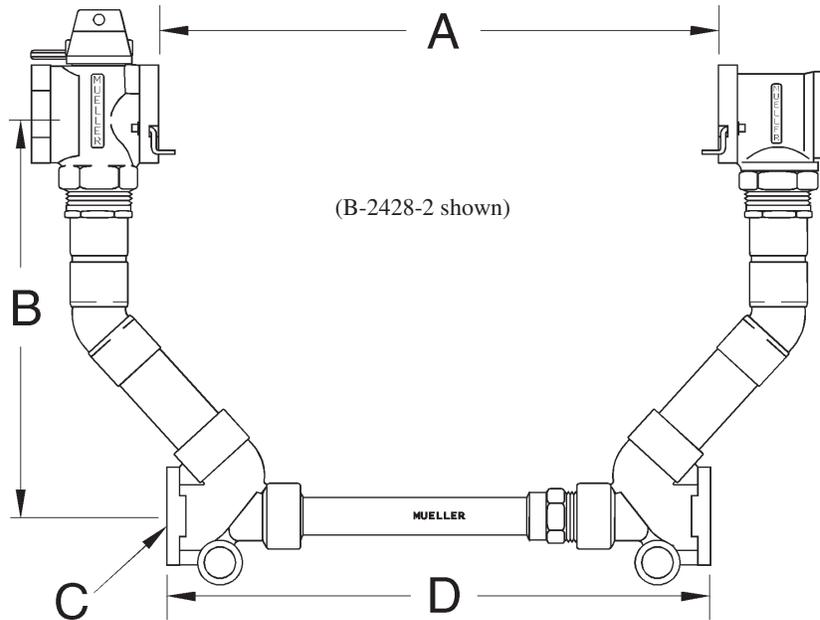
Rev. 8-04

8A - COPPER YOKES



## 2" Copper meter resetters

Catalog number	B-2424	B-2424-2	B-2424-00
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve x 90° meter flange elbow.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange.	With lock wing MUELLER 300™ Ball Angle Meter Valve x lock wing MUELLER 300™ Ball Angle Meter Valve.



## Dimensions

Meter size	2"
Dimension A	17.25"
Dimension B - riser height	14", 15", 16", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	2"
Dimension D	17"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

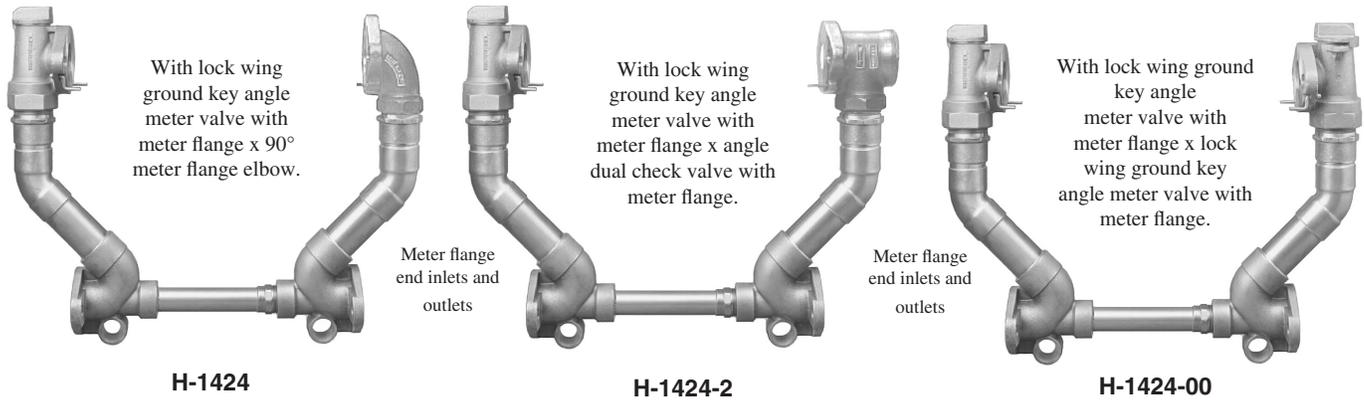
# 8A.44



# METER RESETTERS WITH HORIZONTAL INLET AND OUTLET (FOR 2" FLANGED METERS)

Rev. 8-04

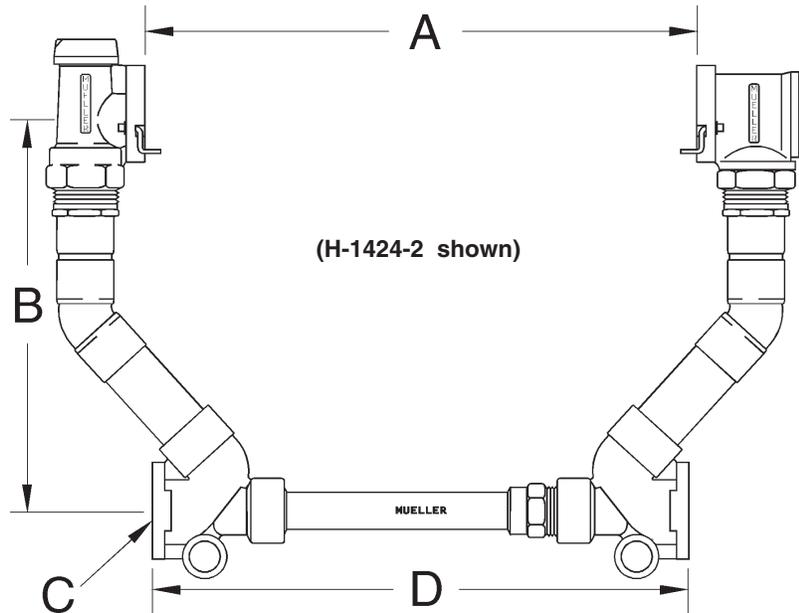
8A - COPPER YOKES



## 2" Copper meter resetters

Catalog number	H-1424	H-1424-2 *	H-1424-00
Description	With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



## Dimensions

Meter size	2"
Dimension A	17.25"
Dimension B - riser height	14", 15", 16", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	2"
Dimension D	17"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

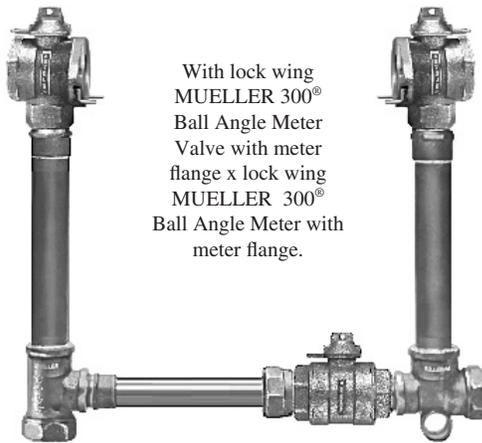
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# METER SETTERS WITH VERTICAL INLET & HORIZONTAL OUTLET (FOR 1-1/2" & 2" FLANGED METERS) & BYPASS

**Mueller Co.** **8A.43**

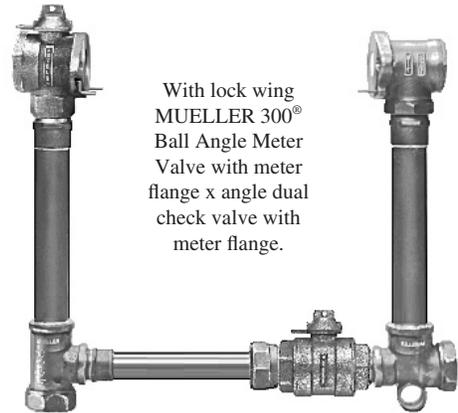
Rev. 9-09

**8A - COPPER YOKES**



With lock wing  
MUELLER 300®  
Ball Angle Meter  
Valve with meter  
flange x lock wing  
MUELLER 300®  
Ball Angle Meter with  
meter flange.

**B-2429**



With lock wing  
MUELLER 300®  
Ball Angle Meter  
Valve with meter  
flange x angle dual  
check valve with  
meter flange.

**B-2429-2**

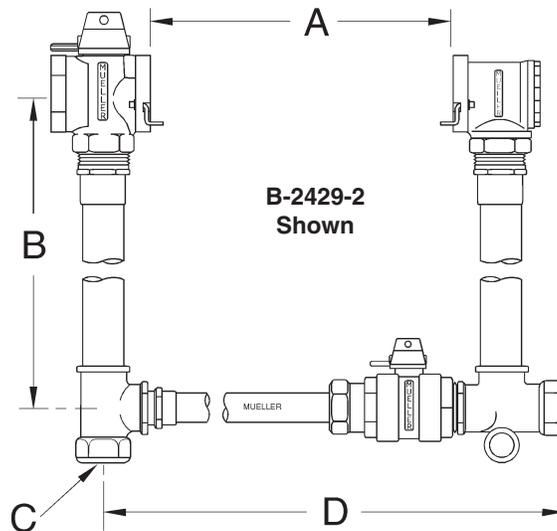
FIP end inlets  
and outlets

FIP end inlets  
and outlets

## 1-1/2" and 2" Copper meter setters (with bypass)

Catalog number	B-2429	B-2429-2 *
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange x lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



## Dimensions

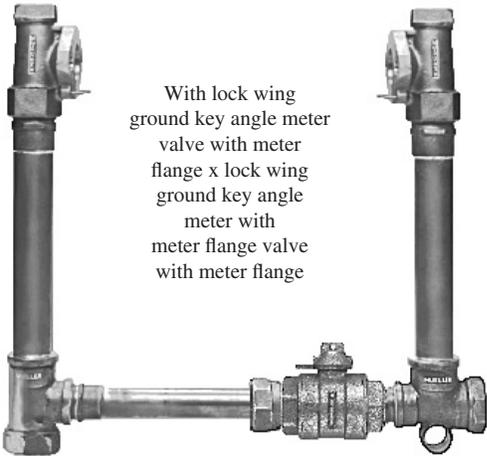
Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	19.187"	24.125"

Contact MUELLER Customer Service Center for ordering requirements and availability.  
See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 8-04

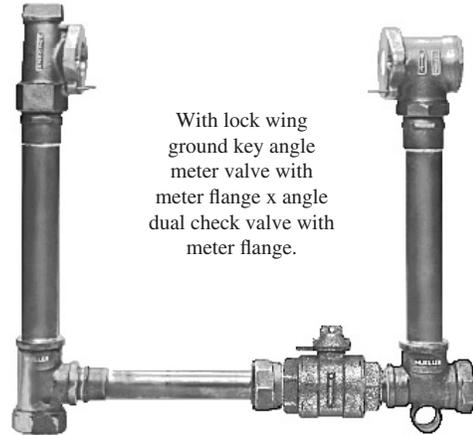
8A - COPPER YOKES



With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter with meter flange valve with meter flange

**H-1429**

FIP end inlets and outlets



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.

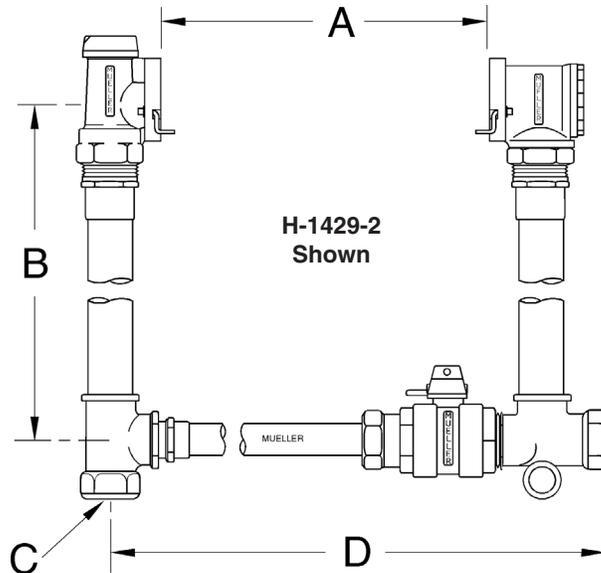
**H-1429-2**

FIP end inlets and outlets

### 1-1/2" and 2" Copper meter setters (with bypass)

Catalog number	H-1429	H-1429-2 *
Description	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	19.187"	24.125"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

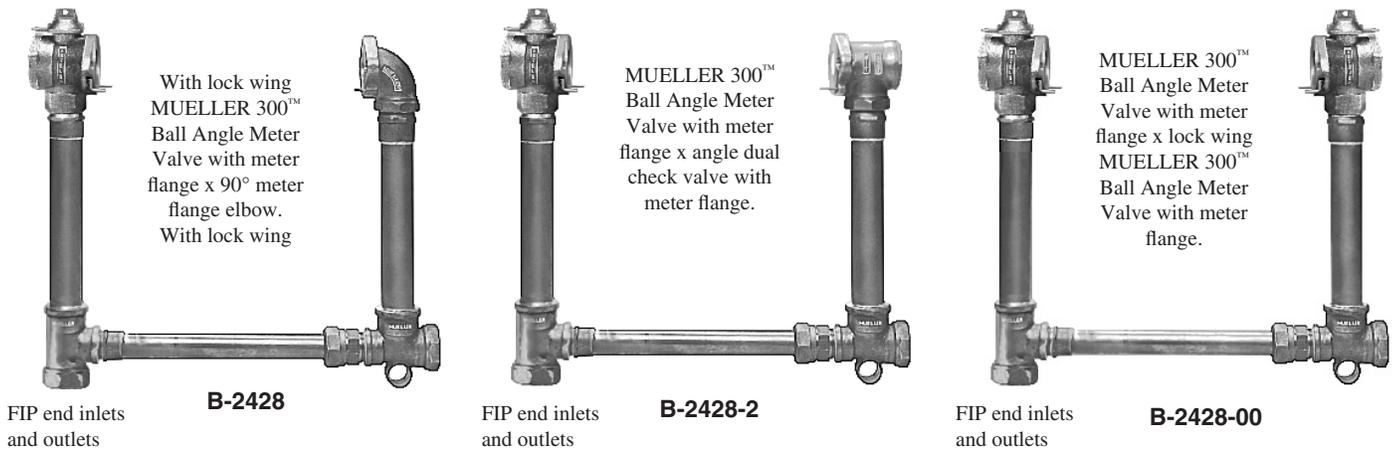
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# METER SETTERS WITH VERTICAL INLET & OUTLET HORIZONTAL (FOR 1-1/2" & 2" FLANGED METERS)

**Mueller Co.** **8A.41**

Rev. 9-09

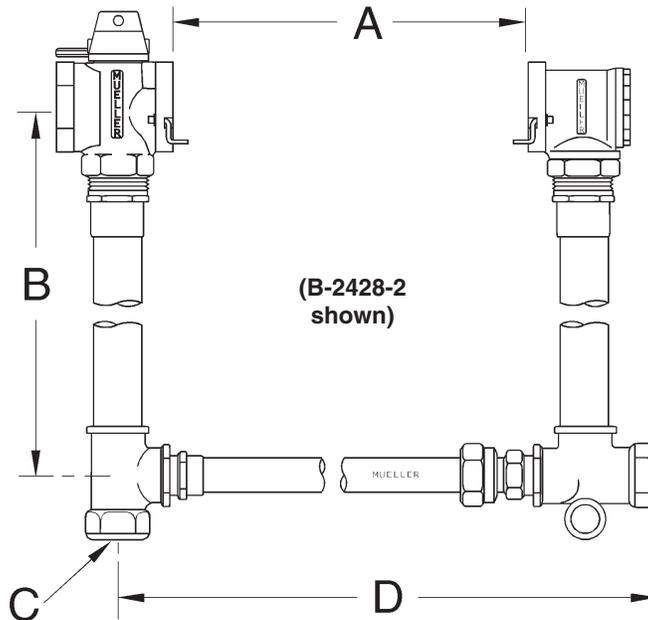
8A - COPPER YOKES



## 1-1/2" and 2" Copper meter setters

Catalog number	B-2428	B-2428-2*	B-2428-00
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve x 90° meter flange elbow	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange	With lock wing MUELLER 300™ Ball Angle Meter Valve x lock wing MUELLER 300 Ball Angle Meter Valve

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



## Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	19.187"	24.125"

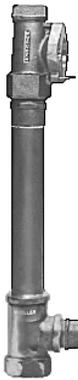
Contact MUELLER Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 8-04

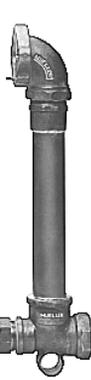
**8A - COPPER YOKES**



With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.

**H-1428**

FIP end inlets and outlets



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.

**H-1428-2**

FIP end inlets and outlets



With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

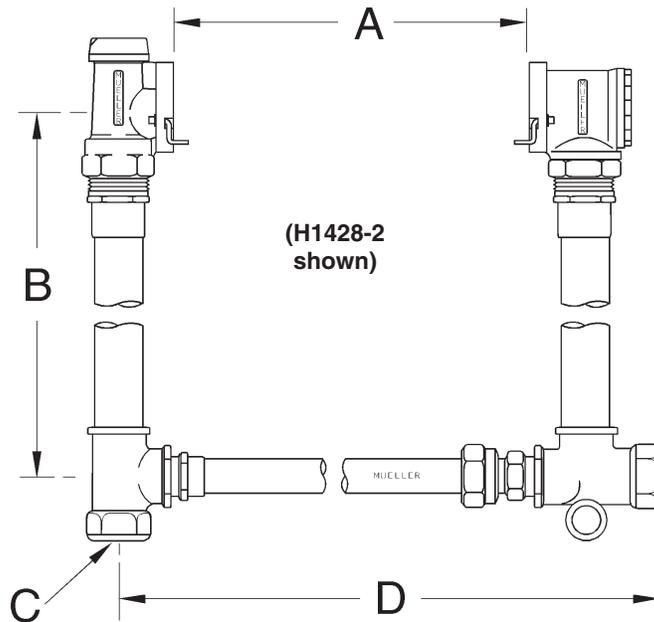
**H-1428-00**

FIP end inlets and outlets

### 1-1/2" and 2" Copper meter setters

Catalog number	H-1428	H-1428-2 *	H-1428-00
Description	With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	19.187"	24.125"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

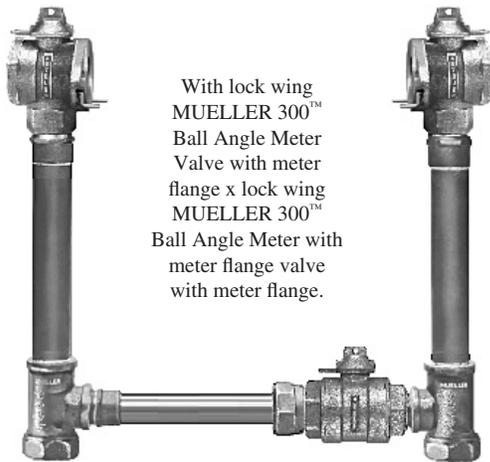
# METER SETTERS WITH VERTICAL INLET & OUTLET (FOR 1-1/2" & 2" FLANGED METERS) AND BYPASS

**Mueller Co.**

**8A.39**

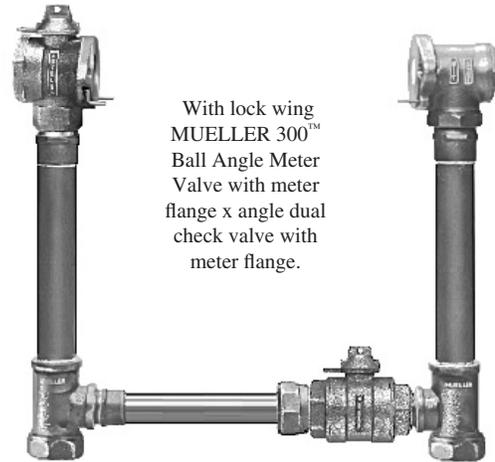
Rev. 8-04

**8A - COPPER YOKES**



With lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange x lock wing  
MUELLER 300™  
Ball Angle Meter with  
meter flange valve  
with meter flange.

**B-2427**



With lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange x angle dual  
check valve with  
meter flange.

**B-2427-2**

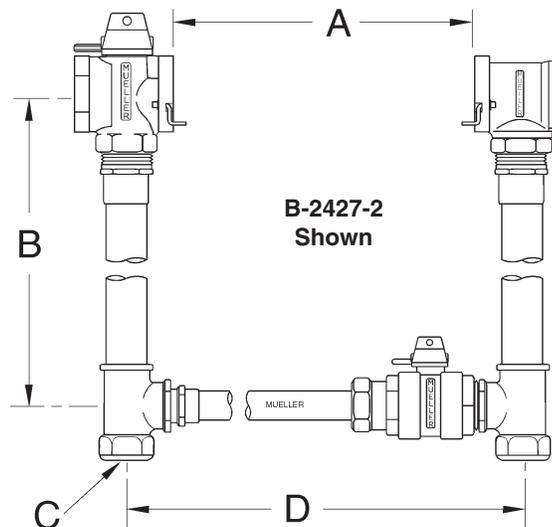
FIP end inlets  
and outlets

FIP end inlets  
and outlets

## 1-1/2" and 2" Copper meter setters (with bypass)

Catalog number	B-2427	B-2427-2 *
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve x lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	17.625"	21.625"

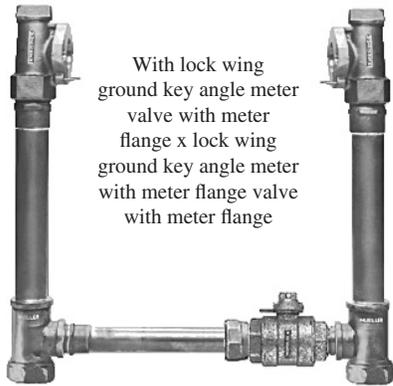
Contact MUELLER Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 8-04

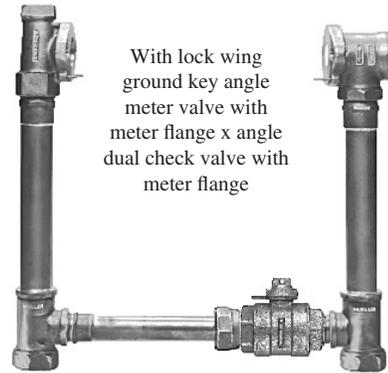
8A - COPPER YOKES



With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter with meter flange valve with meter flange

**H-1427**

FIP end inlets and outlets



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange

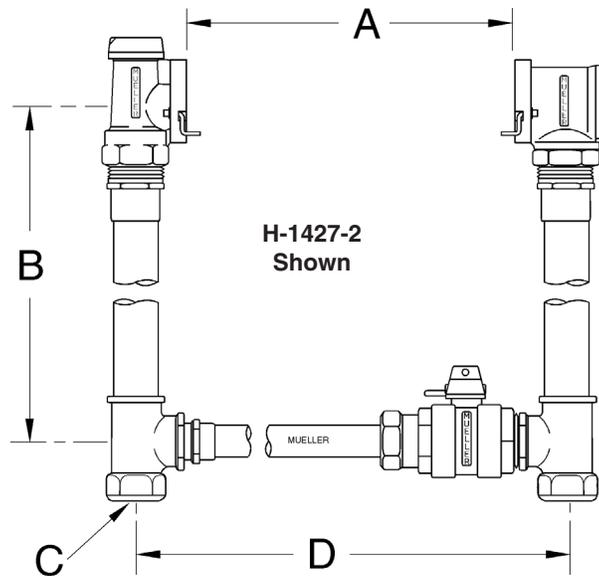
**H-1427-2**

FIP end inlets and outlets

### 1-1/2" and 2" Copper meter setters (with bypass)\*

Catalog number	H-1427	H-1427-2
Description	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange. By-pass with lock wing Mueller 300™ Ball Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	17.625"	21.625"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

See section 6 for end connections that can be used with these yokes.

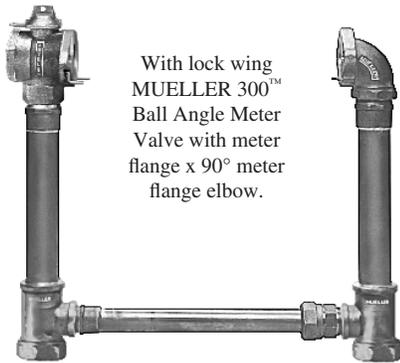
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# METER SETTERS WITH VERTICAL INLET & OUTLET (FOR 1-1/2" & 2" FLANGED METERS)

**Mueller Co. 8A.37**

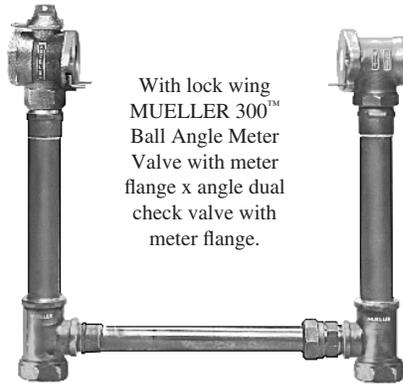
Rev. 8-04

**8A - COPPER YOKES**



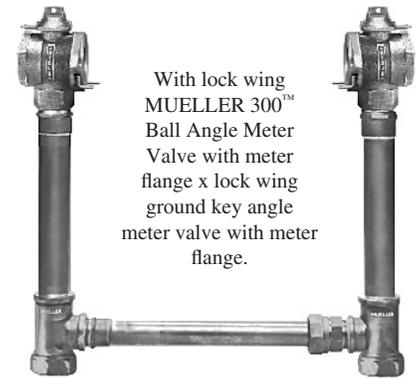
With lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange x 90° meter flange elbow.

FIP end inlets and outlets **B-2426**



With lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange x angle dual check valve with meter flange.

FIP end inlets and outlets **B-2426-2**



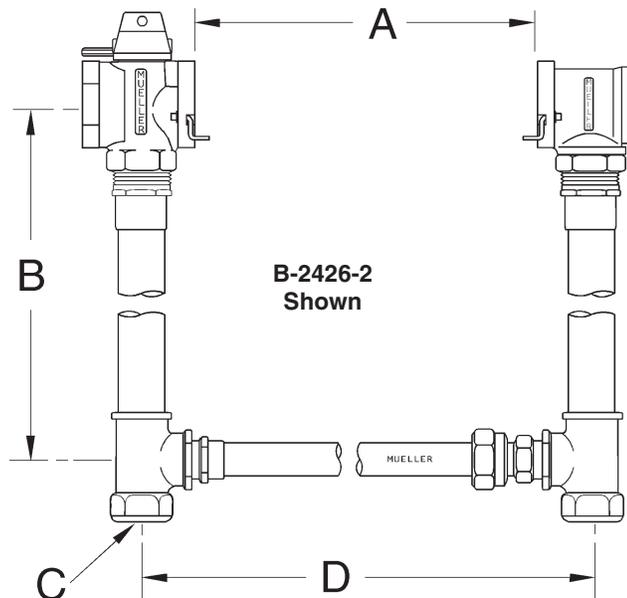
With lock wing MUELLER 300™ Ball Angle Meter Valve with meter flange x lock wing ground key angle meter valve with meter flange.

FIP end inlets and outlets **B-2426-00**

## 1-1/2" and 2" Copper meter setters

Catalog number	B-2426	B-2426-2*	B-2426-00
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve x 90° meter flange elbow.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange.	With lock wing MUELLER 300™ Ball Angle Meter Valve x lock wing MUELLER 300 Ball Angle Meter Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	17.625"	21.625"

Contact MUELLER® Customer Service Center for ordering requirements and availability.  
See section 6 for end connections that can be used with these yokes.

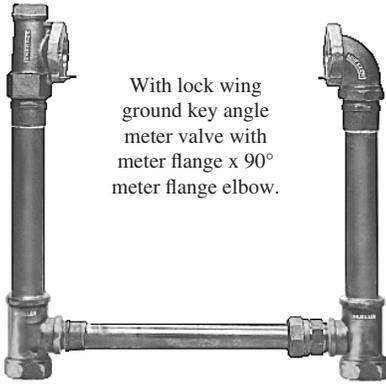
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.36 **Mueller Co.**

Rev. 8-04

## METER SETTERS WITH VERTICAL INLET & OUTLET (FOR 1-1/2" & 2" FLANGED METERS)

**8A - COPPER YOKES**



With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.

FIP end inlets and outlets **H-1426**



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.

FIP end inlets and outlets **H-1426-2**



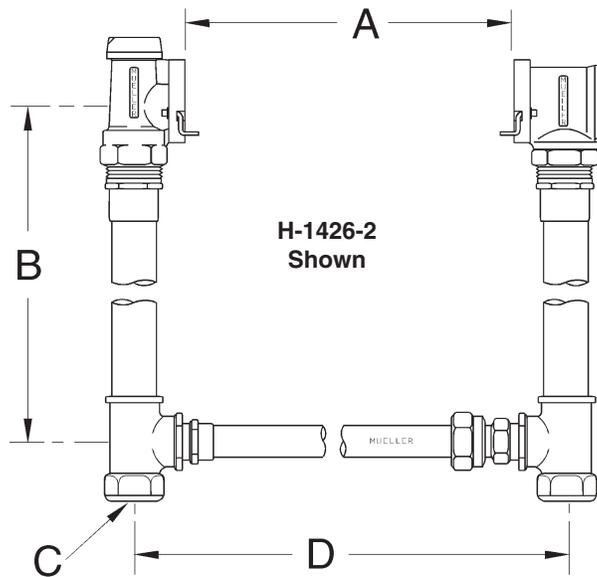
With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

FIP end inlets and outlets **H-1426-00**

### 1-1/2" and 2" Copper meter setters

Catalog number	H-1426	H-1426-2 *	H-1426-00
Description	With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



### Dimensions

Meter size	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	17.625"	21.625"

Contact MUELLER® Customer Service Center for ordering requirements and availability.

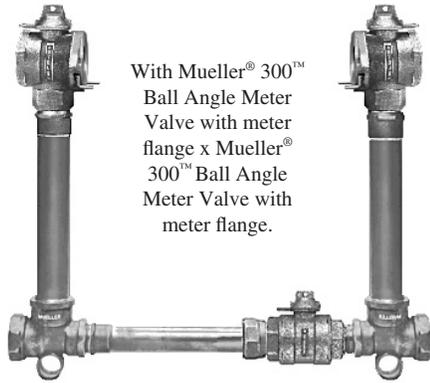
**See section 6 for end connections that can be used with these yokes.**

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES WITH HORIZONTAL INLET **Mueller Co.** 8A.35 & OUTLET (FOR 1-1/2" & 2" FLANGED METERS) AND BY-PASS

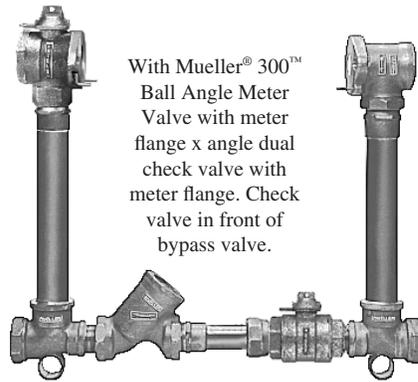
Rev. 8-04

8A - COPPER YOKES



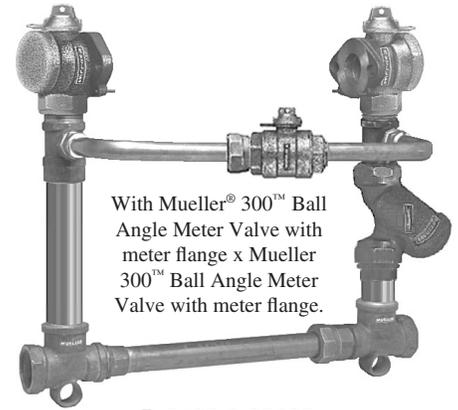
With Mueller® 300™ Ball Angle Meter Valve with meter flange x Mueller® 300™ Ball Angle Meter Valve with meter flange.

FIP end inlets and outlets **B-2423**



With Mueller® 300™ Ball Angle Meter Valve with meter flange x angle dual check valve with meter flange. Check valve in front of bypass valve.

FIP end inlets and outlets **B-2423-2**



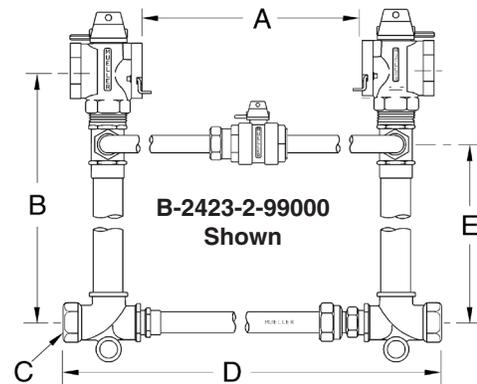
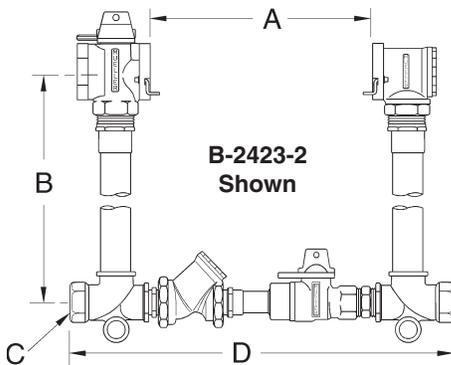
With Mueller® 300™ Ball Angle Meter Valve with meter flange x Mueller 300™ Ball Angle Meter Valve with meter flange.

FIP end inlets and outlets **B-2423-2-99000** shown with check valve in optional location

## 1-1/2" and 2" Copper meter setters (with by-pass)

Catalog number	B-2423	B-2423-2/B-2423-2-01*	B-2423-99000/B-2423-2-99000
Description	With lock MUELLER® 300™ Ball Angle Meter Valve with meter flange x lock wing ground key angle meter valve with meter flange. By-pass with lock wing Mueller® Ball Valve	With lock wing MUELLER® 300™ Ball Angle Meter Valve with meter flange x angle dual check valve with meter flange. By-pass with lock wing Mueller® Ball Valve and check valve (without bypass check valve: H-1423-2-01).	With lock wing MUELLER® 300™ Ball Angle Meter Valve with meter flange x lock wing ground key valve with meter flange. Elevated by-pass with Mueller® Ball Valve with locking device (with check valve: H-1423-2-99000).

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



## Dimensions

Meter size	1-1/2" B-2423, B-2423-2 & B-2423-2-01	2" B-2423, B-2423-2 & B-2423-2-01	1-1/2" B-2423-99000 & B-2423-2-99000	2" B-2423-99000 & B-2423-2-99000
Dimension A*	13.25"	17.25"	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"	18", 21", 24", 27"	18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"	1-1/2"	2"
Dimension D*	21.50"	26.63"	21.50"	26.63"
Dimension E	-	-	7.25"	7.25"

\*Adjustable dimension. Copper tubing in the tie bar can be cut to accommodate shorter meters. Adjustment affects both A and D dimensions.

See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.34 **Mueller Co.**

## COPPER METER YOKES WITH HORIZONTAL INLET & OUTLET (FOR 1-1/2" & 2" FLANGED METERS) AND BYPASS

Rev. 8-04

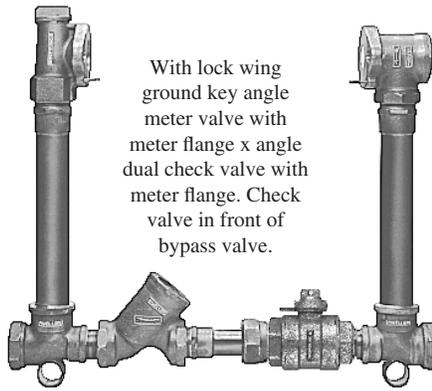
8A - COPPER YOKES



With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

FIP end inlets and outlets

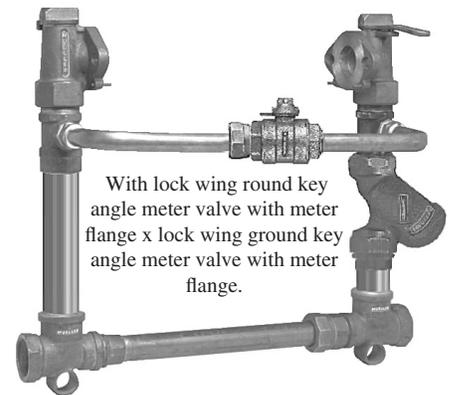
**H-1423**



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange. Check valve in front of bypass valve.

FIP end inlets and outlets

**H-1423-2**



With lock wing round key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

FIP end inlets and outlets

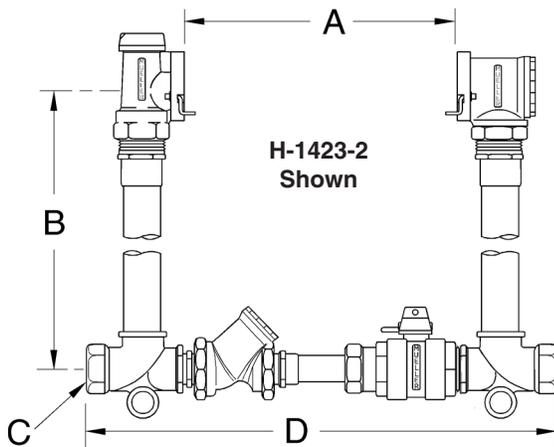
**H-1423-2-99000**

shown with check valve in optional location

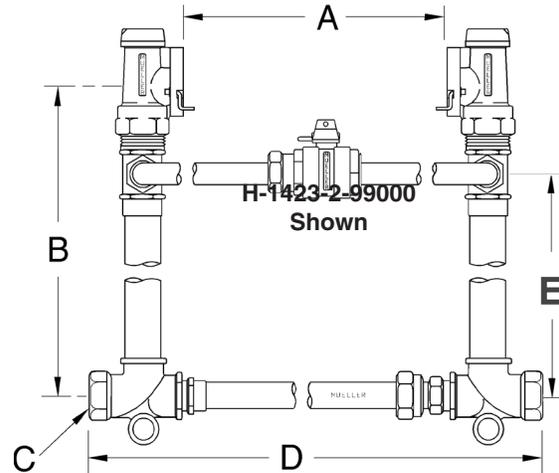
### 1-1/2" and 2" Copper meter setters (with by-pass)

Catalog number	H-1423	H-1423-2/H-1423-2-01*	H-1423-99000/H-1423-2-99000
Description	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange. By-pass with lock wing Mueller® Ball Valve	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange. By-pass with lock wing Mueller® Ball Valve and check valve (without bypass check valve: H-1423-2-01).	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange. Elevated by-pass with Mueller® Ball Valve with locking device (with check valve: H-1423-2-99000).

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain



**H-1423-2**  
Shown



**H-1423-2-99000**  
Shown

### Dimensions

Meter size	1-1/2" H-1423, H-1423-2 & H-1423-2-01	2" H-1423, H-1423-2 & H-1423-2-01	1-1/2" H-1423-99000 & H-1423-2-99000	2" H-1423-99000 & H-1423-2-99000
Dimension A*	13.25"	17.25"	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"	18", 21", 24", 27"	18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"	1-1/2"	2"
Dimension D*	21.50"	26.63"	21.50"	26.63"
Dimension E	-	-	7.25"	7.25"

\* Adjustable dimension. Copper tubing in the tie bar can be cut to accommodate shorter meters. Adjustment affects both A and D dimensions.

See section 6 for end connections that can be used with these yokes.

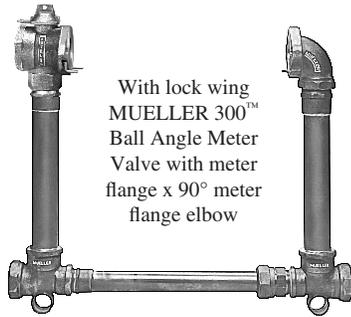
## SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER

# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET (FOR 1-1/2" & 2" FLANGED METERS)

**Mueller Co.** **8A.33**

Rev. 8-04

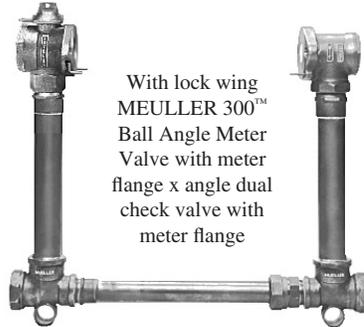
8A - COPPER YOKES



With lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange x 90° meter  
flange elbow

**B-2422**

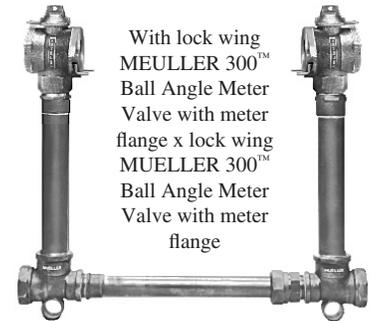
FIP end inlets  
and outlets



With lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange x angle dual  
check valve with  
meter flange

**B-2422-2**

FIP end inlets  
and outlets



With lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange x lock wing  
MUELLER 300™  
Ball Angle Meter  
Valve with meter  
flange

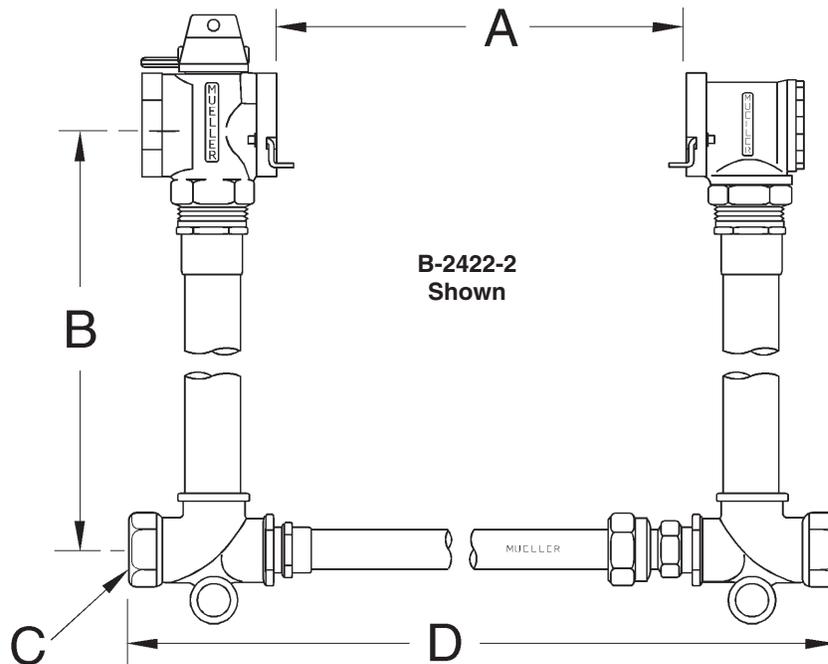
**B-2422-00**

FIP end inlets  
and outlets

## 1-1/2" and 2" Copper meter setters

Catalog number	B-2422	B-2422-2*	B-2422-00
Description	With lock wing MUELLER 300™ Ball Angle Meter Valve x 90° meter flange elbow.	With lock wing MUELLER 300™ Ball Angle Meter Valve x angle dual check valve with meter flange.	With lock wing MUELLER 300™ Ball Angle Meter Valve x lock wing MUELLER 300 Ball Angle Meter Valve.

\*For ASSE Approved canister dual check - add 6A for regular or 6D for drain

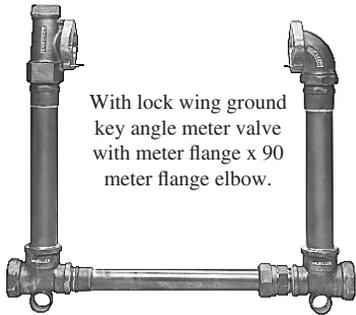


## Dimensions

Meter size	1-1/2"	2"
Dimension A*	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D*	21.50"	26.63"

\*Adjustable dimension. Copper tubing in the tie bar can be cut to accommodate shorter meters. Adjustment affects both A and D dimensions.  
See section 6 for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**



With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.

**H-1422**

FIP end inlets and outlets



With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.

**H-1422-2**

FIP end inlets and outlets



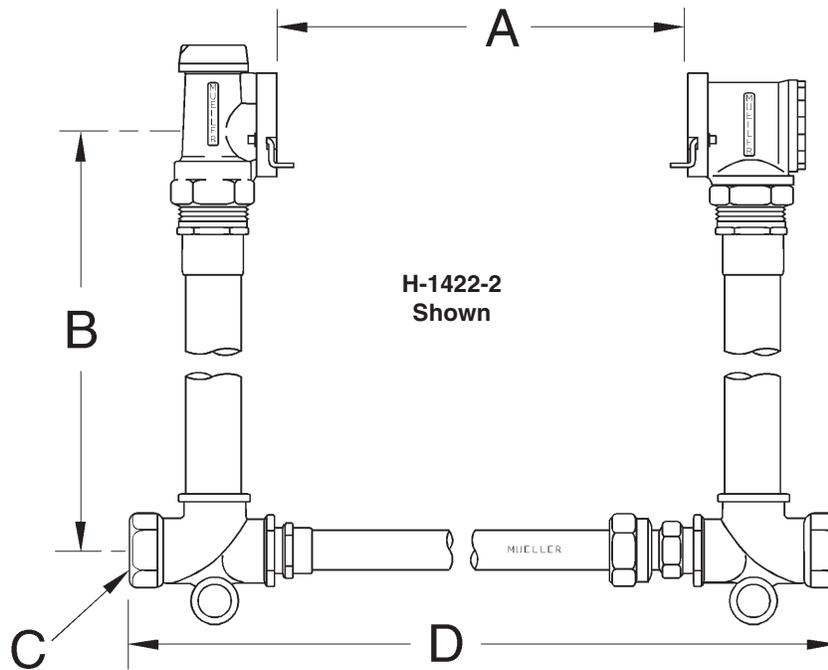
With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.

**H-1422-00**

FIP end inlets and outlets

### 1-1/2" and 2" Copper meter setters

Catalog number	H-1422	H-1422-2	H-1422-00
Description	With lock wing ground key angle meter valve with meter flange x 90° meter flange elbow.	With lock wing ground key angle meter valve with meter flange x angle dual check valve with meter flange.	With lock wing ground key angle meter valve with meter flange x lock wing ground key angle meter valve with meter flange.



### Dimensions

Meter size	1-1/2"	2"
Dimension A*	13.25"	17.25"
Dimension B - riser height	12", 15", 18", 21", 24", 27"	12", 15", 18", 21", 24", 27"
Dimension C - nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D*	21.50"	26.63"

\*Adjustable dimension. Copper tubing in the tie bar can be cut to accommodate shorter meters. Adjustment affects both A and D dimensions.

See section 6 for end connections that can be used with these yokes.

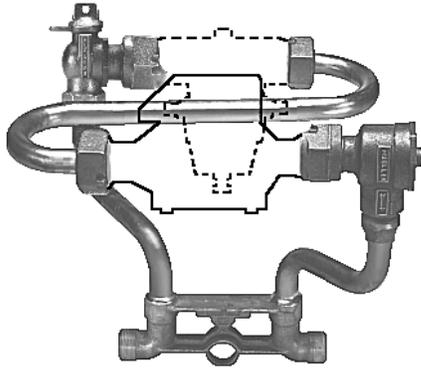
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES - TANDEM TYPE WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.** **8A.31**

Rev. 8-04

8A - COPPER YOKES



Tandem type copper meter yokes are normally used to set a meter and a pressure regulator but can also be used to set a meter and other types of valves or devices such as backflow preventors or air release valves. Due to the infinite number of combinations of tandem yokes that can be made, we ask that you copy this page and send your specific requirements to our Customer Service Center for a price and availability quotation.

Typical tandem meter yoke (meter and idler bar not included)

## MUELLER® Tandem Meter Yoke Quotation Form

Your company name \_\_\_\_\_ Street address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Contact person \_\_\_\_\_

Job name \_\_\_\_\_ Qty. req'd. \_\_\_\_\_ Date req'd. \_\_\_\_\_

Meter size \_\_\_\_\_ Riser height \_\_\_\_\_ Type (flexible or cast tie bar) \_\_\_\_\_

I.D of pit or tile \_\_\_\_\_

Inlet size \_\_\_\_\_ Inlet connection \_\_\_\_\_ Inlet valve type \_\_\_\_\_

Type of tandem device (regulator, backflow preventor etc) \_\_\_\_\_

Size of tandem device \_\_\_\_\_ Lay Length of tandem device \_\_\_\_\_

Tandem device Manufacturers name \_\_\_\_\_ Tandem device model number \_\_\_\_\_

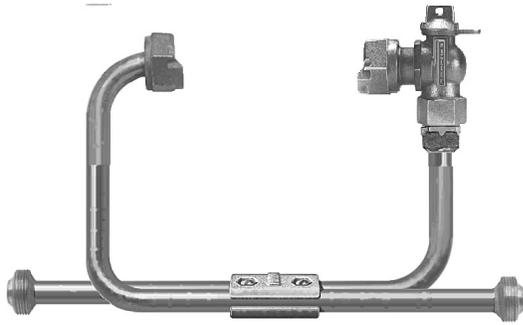
Type of outlet valve \_\_\_\_\_ Size of outlet \_\_\_\_\_ Outlet connection \_\_\_\_\_

Description of tandem yoke required \_\_\_\_\_

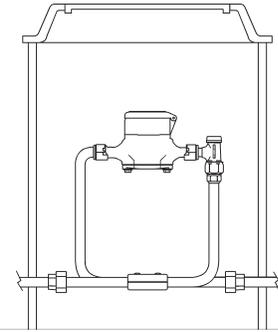
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Optional: drawing or photo of yoke required





Multi-purpose thread ends (B-2706 shown)



Typical installation of an adjustable type copper meter yoke with horizontal inlet and outlet and multi-purpose thread ends

### Adjustable type copper meter yokes with horizontal inlet and outlet, and multi-purpose thread ends

Catalog number	H-1706	B-2706
Description	With lock wing ground key angle meter stop	With lock wing MUELLER 300™ Angle Meter Ball Valve*

NOTE: An optional clamp with a bracing eye is available on special order for these yokes. A length of 3/4" CTS O.D. plastic tubing or 1/2" schedule 40 steel pipe can be inserted through the eye to provide additional stability when using the yoke with plastic service tubing or pipe. Contact the MUELLER Customer Service Center for ordering instructions, availability, and price.

#### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalogue number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalogue number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**B-2706-6D** for the ASSE approved top entry vertical check with a test drain;  
**B-2706-2A** for the ASSE approved model angle dual check valve.

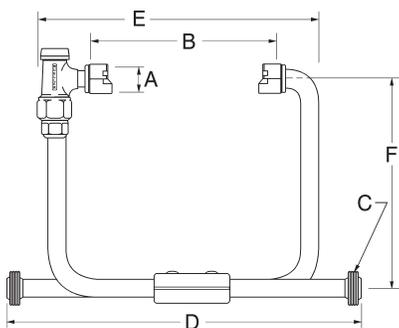


M-98™ ASSE approved top entry vertical check valve



Angle dual check valve

#### Dimensions



Meter size	5/8" x 3/4" to 3/4"
Nominal size of I.P. thread in meter nut	1"
Dimension A	1-5/16"
Dimension B	Adjustable for 5/8"x3/4" and 3/4" meters
Dimension C - nominal pipe size of inlet and outlet	1"
Dimension D	Adjustable
Dimension E	Adjustable
Dimension F - minimum riser height	7" (9" **)
Other riser heights available	9", 10"

\* Add "R" to the end of the yoke catalogue number to order a reduced port Angle Ball Valve;

EXAMPLE: 5/8x3/4x7 B-2706R.

\*\*Minimum with 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

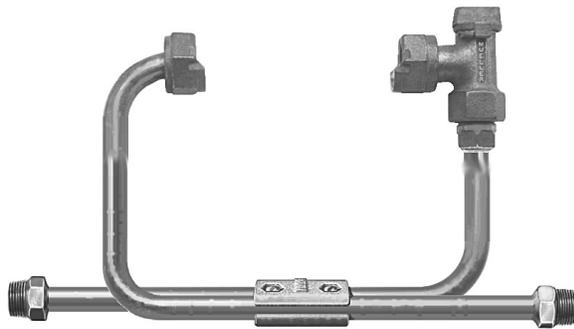
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES - ADJUSTABLE TYPE WITH HORIZONTAL INLET & OUTLET (FOR 5/8" X 3/4" & 3/4" METERS)

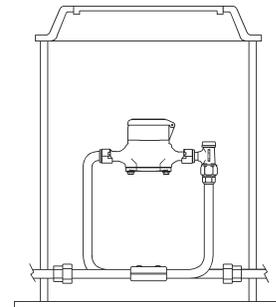
**Mueller Co.** **8A.29**

Rev. 8-04

8A - COPPER YOKES



M.I.P. thread ends (H-1702 shown)



Typical installation of an adjustable type copper meter yoke with horizontal inlet and outlet and M.I.P. meter thread ends

## Adjustable type copper meter yokes with horizontal inlet and outlet, and M.I.P. thread ends

Catalog number	H-1702	B-2702
Description	With lock wing ground key angle meter stop	With lock wing MUELLER 300™ Angle Meter Ball Valve*

NOTE: An optional clamp with a bracing eye is available on special order for these yokes. A length of 3/4" CTS O.D. plastic tubing or 1/2" schedule 40 steel pipe can be inserted through the eye to provide additional stability when using the yoke with plastic service tubing or pipe. Contact the MUELLER Customer Service Center for ordering instructions, availability, and price.



M-98™ ASSE approved top entry vertical check valve

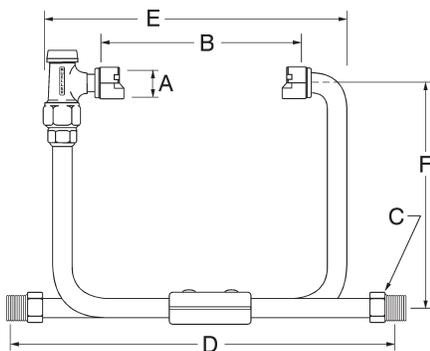
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the non-approved model. Examples: **H-1702-6D** for the ASSE approved top entry vertical check with a test drain; **H-1702-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

## Dimensions



Meter size	5/8" x 3/4" to 3/4"
Nominal size of I.P. thread in meter nut	1"
Dimension A	1-5/16"
Dimension B	Adjustable for 5/8"x3/4" and 3/4" meters
Dimension C - nominal pipe size of inlet and outlet	1"
Dimension D	Adjustable
Dimension E	Adjustable
Dimension F - minimum riser height	7" (9" **)
Other riser heights available	9", 10", 12"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2702R.

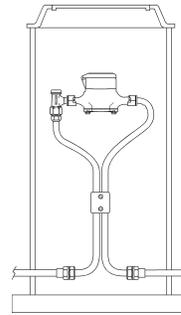
\*\*Minimum with 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**



M.I.P. meter thread ends  
(H-14195 shown)



Typical installation of a flexible relocator  
type copper meter yoke

**Flexible relocator type copper meter yokes with horizontal inlet and outlet, and M.I.P. meter thread ends**

Catalog number	H-14191	H-14192	H-14195	H-14196	B-24195	B-24196
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300™ Angle Ball Valve* and test valve

NOTE: An optional clamp with a bracing eye is available on special order for these yokes. A length of 3/4" CTS O.D. plastic tubing or 1/2" schedule 40 steel pipe can be inserted through the eye to provide additional stability when using the yoke with plastic service tubing or pipe. Contact the MUELLER Customer Service Center for ordering instructions, availability, and price.



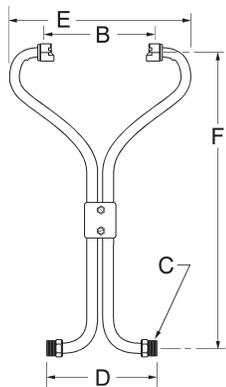
M-98™ ASSE approved top entry vertical check valve

**Check valve options**

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-14195-6D** for the ASSE approved top entry vertical check with a test drain; **H-14195-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



**Dimensions**

Meter size	5/8" x 3/4"*
Nominal size of I.P. thread in meter nut	1"
Dimension A	1-5/16"
Dimension B	7-7/8"
Dimension C - nominal pipe size of inlet and outlet	1"
Dimension D	7-1/2"
Dimension E	12-5/8"
Dimension F - minimum riser height	12" (15" **)
Other riser heights available	15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-24195R.

\*\*Minimum with 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

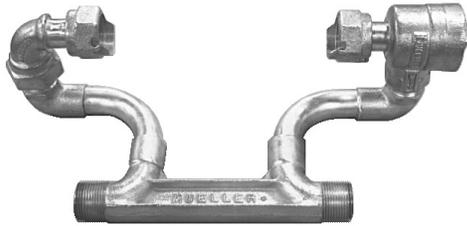
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES - RELOCATOR TYPE WITH HORIZONTAL INLET AND OUTLET

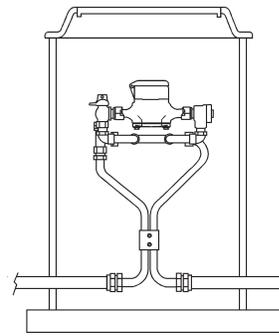
**Mueller Co.** **8A.27**

Rev. 8-04

8A - COPPER YOKES



M.I.P. meter thread ends - used to retrofit dual check to existing meter set (H-1445-2A shown)



Typical installation of a horizontal inlet and outlet offset relocater copper meter yoke

## Offset relocater copper meter yokes with horizontal inlet and outlet, and M.I.P. meter thread ends

Catalog number	H-1445	H-1446	B-2446
Description	Plain yoke	With lock wing ground key angle meter stop	With lock wing MUELLER 300™ Angle Meter Ball Valve*



M-98™ ASSE approved top entry vertical check valve

### Check valve options

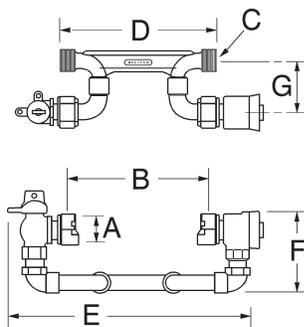
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**H-1445-6D** for the ASSE approved top entry vertical check with a test drain;  
**H-1445-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	1"	1"	1-1/4"
Dimension D	7-1/2"	7-1/2"	9"	10-3/4"
Dimension E	14-3/16"	14-3/16"	15-11/16"	17-11/16"
Dimension F	5-5/8" (8"**)	5-5/8" (8" **)	5-7/8" (9" **)	6-7/16" (9" **)
Dimension G	3-5/8"	3-5/8" **	4" **	5-1/16" **

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2446R.

\*\* F dimensions are greater with addition of Top Entry Vertical Check Valve ("-6A" and "-6D").

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

**SPECIFY METER SIZE AND CATALOG NUMBER.**

# 8A.26 **Mueller Co.**

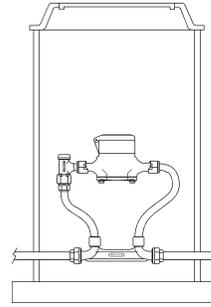
# COPPER METER YOKES - RELOCATOR TYPE WITH HORIZONTAL INLET AND OUTLET

Rev. 8-04

8A - COPPER YOKES



M.I.P. meter thread ends (H-14118 shown)



Typical installation of a relocater type horizontal inlet and outlet copper meter yoke

## Relocater type copper meter yokes with horizontal inlet and outlet and meter thread ends

Catalog number	H-14114	H-14115	H-14118	H-14119	B-24118	B-24119
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve

NOTE: The 5/8", 5/8"x3/4", and 3/4" sizes furnished in heights greater than 15" have a tie bar. The 1" size furnished in heights greater than 18" has a tie bar.



M-98™ ASSE approved top entry vertical check valve

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

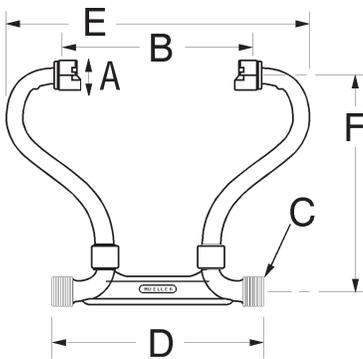
**H-14118-6D** for the ASSE approved top entry vertical check with a test drain;

**H-14118-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	1"	1"	1-1/4"
Dimension D	7-1/2"	7-1/2"	9"	10-3/4"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9"**)	8" (10"**)	10" (12"**)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B- 24118R.

\*\*With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES - BASEMENT TYPE WITH VERTICAL INLET AND OUTLET

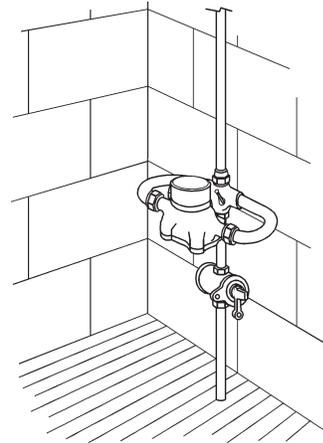
**Mueller Co.** **8A.25**

Rev. 8-04

8A - COPPER YOKES



Multi-purpose thread ends

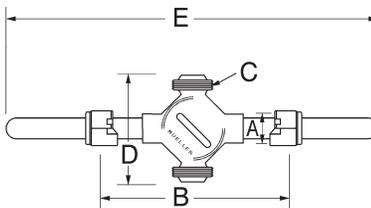


H-1412 shown  
Typical installation of a basement type copper meter yoke with vertical inlet and outlet

## Copper meter yokes - basement type with vertical inlet and outlet, and multi-purpose thread ends

Catalog number	H-1412	H-1420
Description	Plain yoke	Offset plain yoke

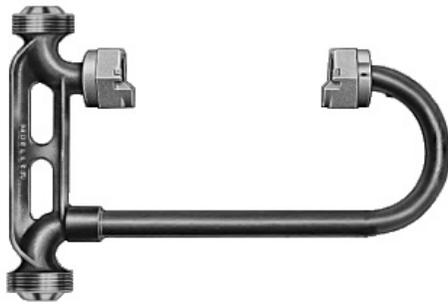
### Dimensions



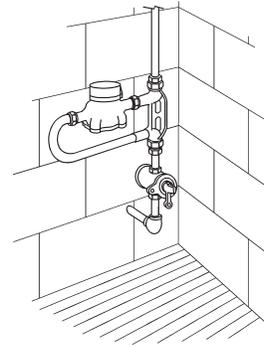
Meter size	5/8"	5/8" x 3/4"	3/4"	1"
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	3-11/16"	3-11/16"	4"	4-11/16"
Dimension E	13-3/4"	13-3/4"	16"	18-11/16"
Dimension F	5"	5"	6-1/4"	7-1/2"

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

**SPECIFY METER SIZE AND CATALOG NUMBER.**



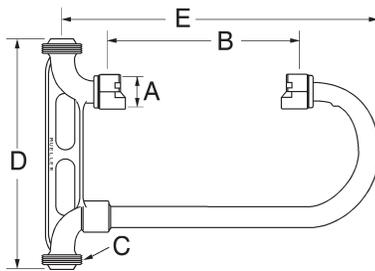
Multi-purpose thread ends  
(H-1413 shown)



Typical installation of a corner type copper meter yoke with vertical inlet and outlet

### Copper meter yokes - corner type with vertical inlet and outlet, and Multi-purpose thread ends

<b>Catalog number</b>	H-1413
<b>Description</b>	Plain yoke



### Dimensions

Meter size	5/8"	5/8" x 3/4"
Nominal size of I.P. thread in meter nut	3/4"	1"
Dimension A	1-1/16"	1-5/16"
Dimension B	7-7/8"	7-7/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"
Dimension D	8-5/16"	8-5/16"
Dimension E	13-1/16"	13-1/2"

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

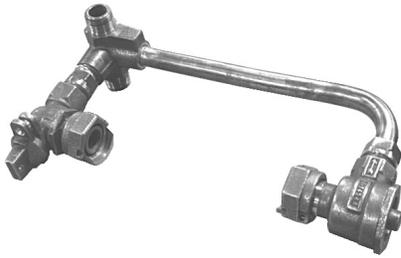
**SPECIFY METER SIZE AND CATALOG NUMBER.**

# COPPER METER YOKES - CORNER TYPE WITH VERTICAL INLET AND OUTLET

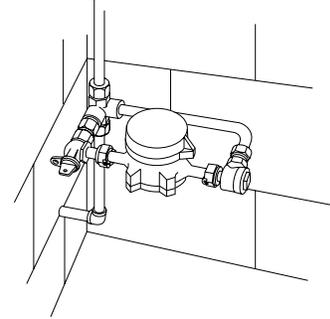
**Mueller Co.** **8A.23**

Rev. 8-04

8A - COPPER YOKES



M.I.P. thread  
(B-2448-2A shown)



Typical installation of a horizontal inlet and outlet corner type copper meter yoke

## Copper meter yokes - corner type with vertical inlet and outlet, and M.I.P. thread ends

Catalog number	H-1442	H-1447	H-1448	H-1449	B-2448	B-2449
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

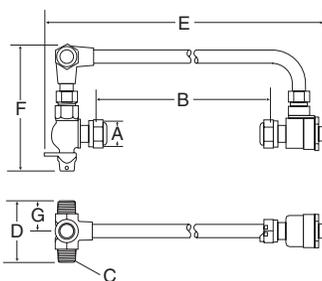
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **B-2448-6D** for the ASSE approved top entry vertical check with a test drain; **B-2448-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

## Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	3-9/16"	3-9/16"	3-9/16"	4-13/16"
Dimension E	14"	14"	15-1/2"	18-3/8"
Dimension F	7-3/8" (10"**)	7-3/8" (10" **)	7-1/2" (10" **)	9" (12" **)
Dimension G	1-25/32"	1-25/32"	1-25/32"	2-13/32"

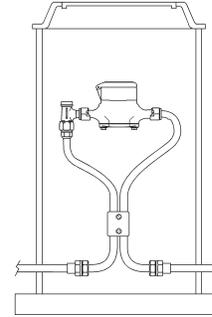
\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2448R.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**



M.I.P. thread ends  
(H-14104)



Typical installation of a horizontal inlet and outlet flexible type copper meter yoke

### Copper meter yokes - flexible type with horizontal inlet and outlet, and M.I.P. thread ends

Catalog number	H-14092	H-14095	H-14104	H-14107	B-24104	B-24107
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve

NOTE: An optional clamp with a bracing eye is available on special order for the 5/8" and 5/8"x3/4" meter yokes. A length of 3/4" CTS O.D. plastic tubing or 1/2" schedule 40 steel pipe can be inserted through the eye to provide additional stability when using the yoke with plastic service tubing or pipe. Optional 15" and 18" extendable legs available on inlet and outlet. Contact the MUELLER Customer Service Center for ordering instructions availability, and price.

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a te drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1414-6D** for the ASSE approved top entry vertical check with a test drain; **H-1414-2A** for the ASSE approved model angle dual check valve.

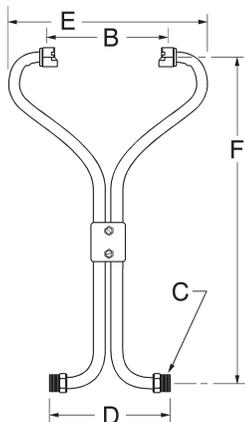


M-98™ ASSE approved top entry vertical check valve



Angle dual check valve

### Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-1/8"	7-1/8"	8-7/8"	10-1/2"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-3/16"
Dimension F - minimum riser height	12" (15"**)	12" (15" **)	12" (15" **)	15" (18" **)
Other riser heights available	15", 18", 21", 24", 27", 30", 33", and 36"	15", 18", 21", 24", 27", 30", 33", and 36"	15", 18", 21", 24", 27", 30", 33", and 36"	18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2482R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

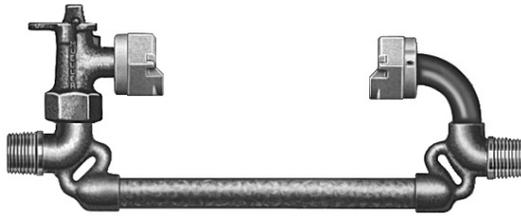
**SPECIFY METER SIZE AND CATALOG NUMBER.**

# COPPER METER YOKES WITH STRAIGHT LINE INLET AND OUTLET

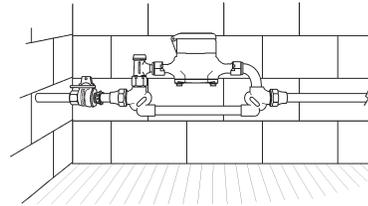
**Mueller Co.** **8A.21**

Rev. 8-04

8A - COPPER YOKES



M.I.P. thread ends (H-14180 shown)



Typical installation of a straight line inlet and outlet copper meter yoke

## Copper meter yokes with straight line inlet and outlet, and M.I.P. thread ends

Catalog number	H-14168	H-14171	H-14180	H-14183	B-24180	B-24183
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

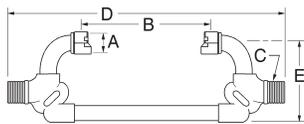
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the non-approved model. Examples: **H-14180-6D** for the ASSE approved top entry vertical check with a test drain; **H-14180-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

## Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"
Dimension A	1-1/16"	1-5/16"	1-5/16"
Dimension B	7-7/8"	7-7/8"	9-3/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"
Dimension D	14-1/16"	14-1/16"	15-9/16"
Dimension E	4-9/16" (7"**)	4-9/16" (7" **)	4-9/16" (7" **)

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-24180R.

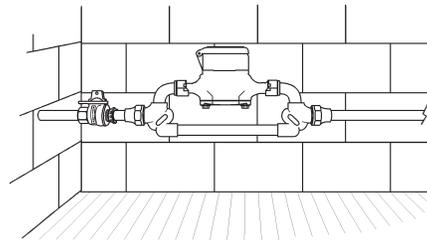
\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

**SPECIFY METER SIZE AND CATALOG NUMBER.**



Multi-purpose thread ends (H-1414 shown)



Typical installation of a straight line inlet and outlet copper meter yoke

## Copper meter yokes with straight line inlet and outlet, and multi-purpose thread ends

Catalog number	H-1414	H-1415	H-1418	H-1419	B-2418	B-2419
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check

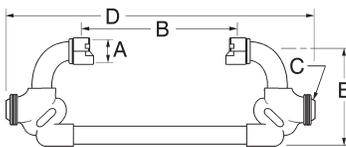
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1414-6D** for the ASSE approved top entry vertical check with a test drain; **H-1414-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"
Dimension A	1-1/16"	1-5/16"	1-5/16"
Dimension B	7-7/8"	7-7/8"	9-3/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"
Dimension D	14-3/8"	14-3/8"	15-7/8"
Dimension E	4-9/16" (7"**)	4-9/16" (7" **)	4-9/16" (7" **)

\* Add "R" to the end of the yoke catalog number to order a reduced port Angl Ball Valve: EXAMPLE: 5/8x3/4x7 B-2418R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. Copper space bar available. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

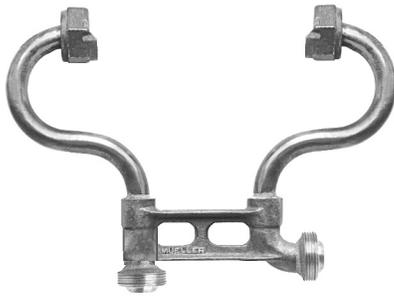
**SPECIFY METER SIZE AND CATALOG NUMBER.**

# COPPER METER YOKES WITH VERTICAL INLET AND HORIZONTAL OUTLET

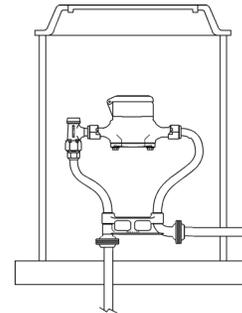
**Mueller Co.** **8A.19**

Rev. 9-09

8A - COPPER YOKES



Multi-purpose vertical inlet and horizontal outlet (H-1556 shown)



Typical installation of a vertical inlet and horizontal outlet copper meter yoke

## Copper meter yokes with pack joint vertical inlet and horizontal outlet with multi-purpose connection

Catalog number	H-1556	H-1557	H-1558	H-1559	B-2558	B-2559
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

### Check valve options

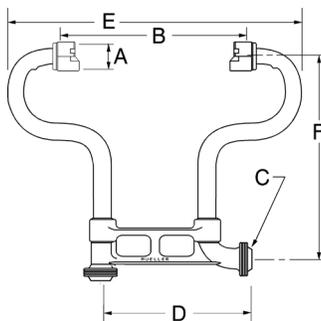
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the non-approved model. Examples:

**H-1558-6D** for the ASSE approved top entry vertical check with a test drain;

**H-1558-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	1"	1"	1-1/4"
Dimension A	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	1"
Dimension D	5-5/16"	5-5/16"	7"
Dimension E	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	6-7/8" (9" **)	12"	12"
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2479R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

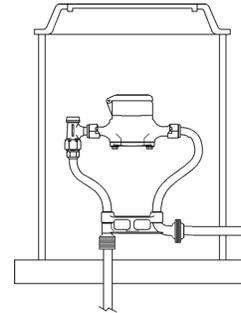
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 9-09

8A - COPPER YOKES



MIP vertical inlet and horizontal outlet with multi-purpose connection (H-1568 shown)



Typical installation of a vertical inlet and horizontal outlet copper meter yoke

### Copper meter yokes with pack joint vertical inlet and horizontal outlet with multi-purpose connection

Catalog number	H-1568	H-1569	H-1570	H-1571	H-2570	H-2571
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

### Check valve options

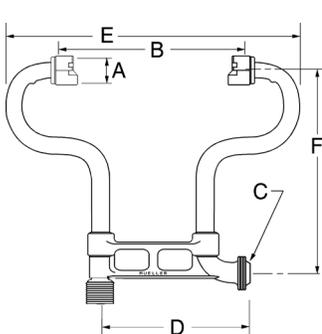
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**H-1568-6D** for the ASSE approved top entry vertical check with a test drain;

**H-1568-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	1"	1"	1-1/4"
Dimension A	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	1"
Dimension D	5-5/16"	5-5/16"	7"
Dimension E	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	6-7/8" (9" **)	12"	12"
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2479R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

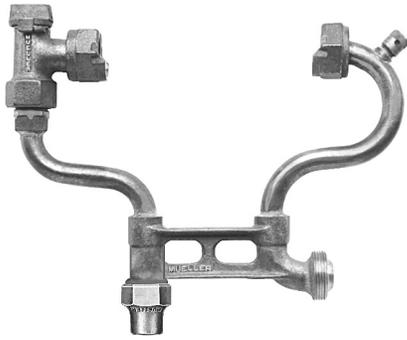
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES WITH VERTICAL INLET AND HORIZONTAL OUTLET

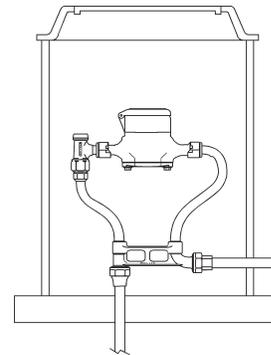
**Mueller Co.** **8A.17**

Rev. 8-04

8A - COPPER YOKES



Integral copper flare vertical inlet and horizontal outlet with multi-purpose connection (H-1483 shown)



Typical installation of a vertical inlet and horizontal outlet copper meter yoke

## Copper meter yokes with copper flare vertical inlet and horizontal outlet with multi-purpose connection

Catalog number	H-1480	H-1481	H-1482	H-1483	B-2482	B-2483
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry check valve

### Check valve options

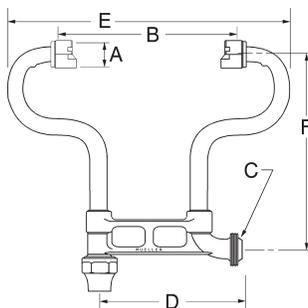
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**H-1483-6D** for the ASSE approved top entry vertical check with a test drain;

**H-1483-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8" x 3/4"*	3/4"*	1"
Nominal size of I.P. thread in meter nut	1"	1"	1-1/4"
Dimension A	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	1"
Dimension D	5-5/16"	5-5/16"	7"
Dimension E	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	6-7/8" (9" **)	12"	12"
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2482R.

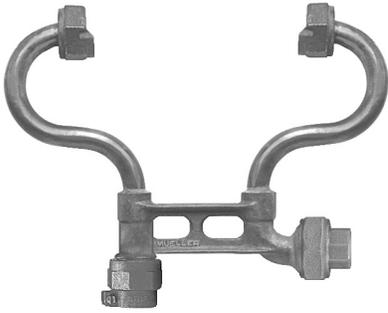
\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

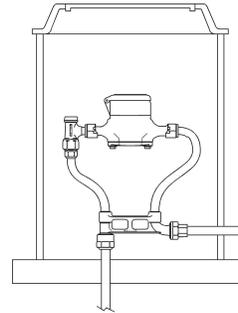
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 8-04 Shaded area indicates change

8A - COPPER YOKES



Integral Mueller Pack Joint vertical inlet for CTS O.D. tubing and horizontal outlet with multi-purpose connection (P-1476 shown)



Typical installation of a vertical inlet and horizontal outlet copper meter yoke

### Copper meter yokes with pack joint vertical inlet and horizontal outlet with multi-purpose connection

Catalog number	P-1476	P-1477	P-1478	P-1479	P-2478	P-2479
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

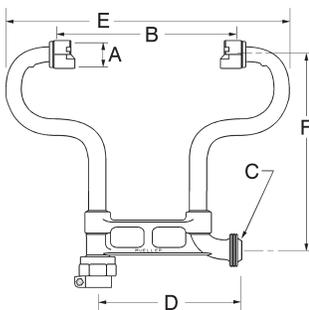
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the non-approved model. Examples:

**P-1479-6D** for the ASSE approved top entry vertical check with a test drain;  
**P-1479-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	1"	1"	1-1/4"
Dimension A	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	1"
Dimension D	5-5/16"	5-5/16"	7"
Dimension E	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	6-7/8" (9" **)	12"	12"
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2479R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

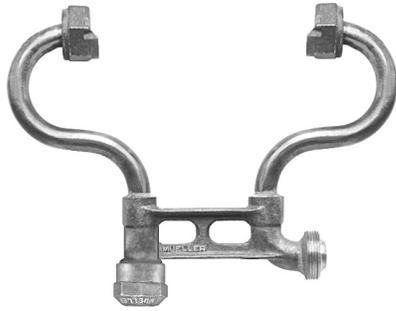
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# COPPER METER YOKES WITH VERTICAL INLET AND HORIZONTAL OUTLET

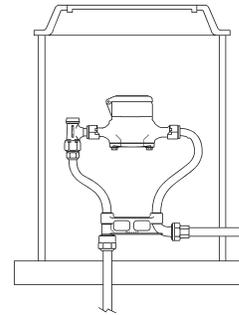
**Mueller Co.** **8A.15**

Shaded area indicates change Rev. 8-04

8A - COPPER YOKES



Integral Mueller 110<sup>®</sup> Compression connection inlet for CTS O.D. tubing and Multi - purpose thread outlet (H-1476 shown)



Typical installation of a vertical inlet and horizontal outlet copper meter yoke

## Copper meter yokes with vertical inlet and horizontal outlet with multi-purpose connection

Catalog number	H-1476	H-1477	H-1478	H-1479	B-2478	B-2479
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

### Check valve options

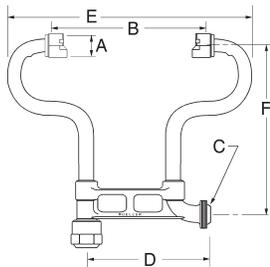
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**H-1479-6D** for the ASSE approved top entry vertical check with a test drain;  
**H-1479-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	1"	1"	1-1/4"
Dimension A	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	1"
Dimension D	5-5/16"	5-5/16"	7"
Dimension E	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	6-7/8" (9**)	12"	12"
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33" and 36"	15", 18", 21", 24", 27", 30", 33" and 36"	12", 15", 18", 21", 24", 27", 30", 33" and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2478R.

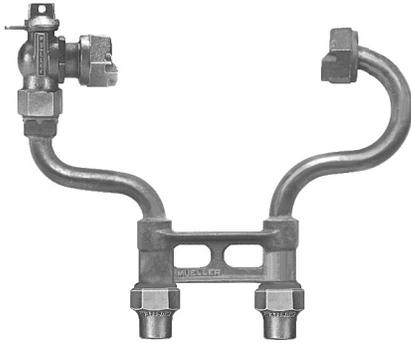
\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

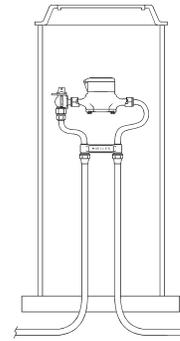
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**



# COPPER METER YOKES WITH VERTICAL INLET AND OUTLET



MUELLER® integral copper flare vertical connection ends (B-2489 shown)



Typical installation of a vertical inlet and outlet copper meter yoke

## Copper meter yokes with vertical inlet and outlet, and Mueller integral copper flare connection

Catalog number	H-1487	H-1488	H-1489	H-1490	B-2489	B-2490
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

### Check valve options

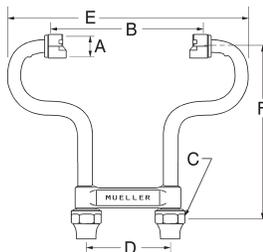
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**B-2489-6D** for the ASSE approved top entry vertical check with a test drain;  
**B-2489-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"*	5/8" x 3/4" *	3/4" *	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	4"	4"	5"	6"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F	6-7/8" (9"**)	6-7/8" (9" **)	8-1/4" (10" **)	10-3/16" (12" **)

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2489R.  
 \*\* With 6A or 6D option.

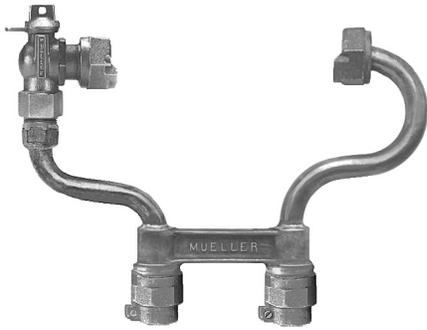
Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

## SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER

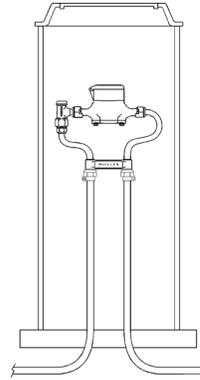
# 8A.12 **Mueller Co.**

Rev. 9-09

## COPPER METER YOKES WITH VERTICAL INLET AND OUTLET



Yoke with integral MUELLER® Pack Joint Connection ends (P-2474 shown)



Typical installation of a vertical inlet and outlet copper meter yoke

### Copper meter yokes with vertical inlet and outlet, and Mueller pack joint connection ends for CTS

Catalog number	P-1472	P-1473	P-1474	P-1475	P-2474	P-2475
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

#### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve ; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

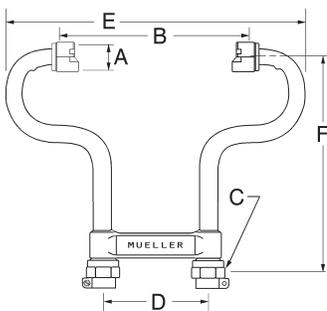
**P-2474-6D** for the ASSE approved top entry vertical check with a test drain;

**P-2474-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

#### Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	4"	4"	5"	6"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F	6-7/8" (9"**)	6-7/8" (9" **)	8-1/4" (10" **)	10-3/16" (12" **)

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2474R.

\*\* With 6A or 6D option.

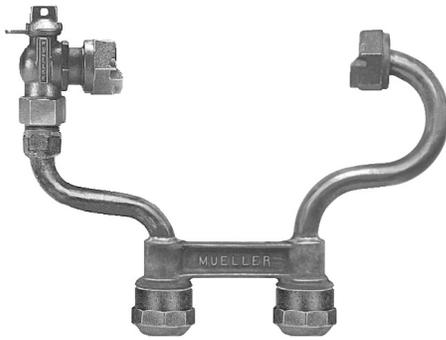
**SPECIFY METER SIZE AND CATALOG NUMBER.**

# COPPER METER YOKES WITH VERTICAL INLET AND OUTLET

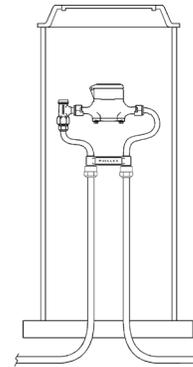
**Mueller Co.** **8A.11**

Rev. 9-09

8A - COPPER YOKES



Yoke with integral MUELLER® 110° Conductive Compression Connection ends for CTS O.D. tubing (B-2474 shown)



Typical installation of a vertical inlet and outlet copper meter yoke

Copper meter yokes with vertical inlet and outlet, and Mueller 110 Conductive Compression ends for CTS

Catalog number	H-1472	H-1473	H-1474	H-1475	B-2474	B-2475
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



M-98™ ASSE approved top entry vertical check valve

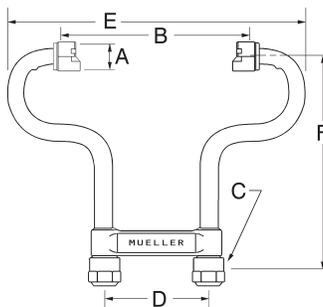
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **B-2474-6D** for the ASSE approved top entry vertical check with a test drain; **B-2474-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"	5/8" x 3/4"	3/4"	1"
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	4"	4"	5"	6"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F	6-7/8" (9"**)	6-7/8" (9" **)	8-1/4" (10" **)	10-3/16" (12" **)

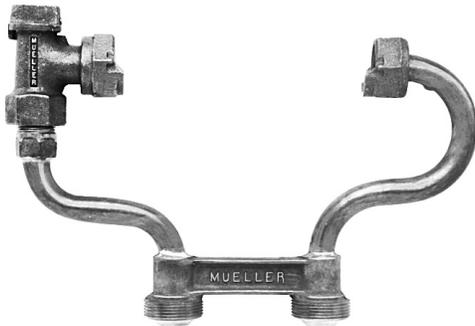
\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2474R.  
 \*\* With 6A or 6D option.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

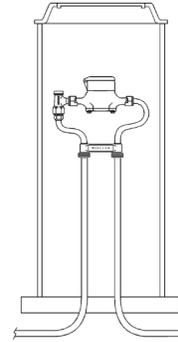
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

Rev. 9-09

8A - COPPER YOKES



Multi - purpose thread ends  
(H-1410 shown)



Typical installation of a vertical inlet and outlet copper meter yoke

### Copper meter yokes with vertical inlet and outlet, and multi-purpose thread end

Catalog number	H-1406	H-1407	H-1410	H-1411	B-2410	B-2411
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



**M-98™ ASSE approved top entry vertical check valve**

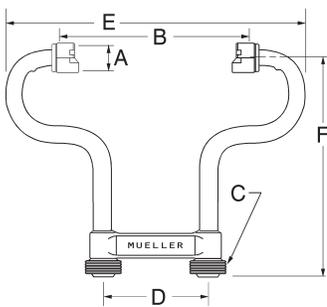
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H1410-6D** for the ASSE approved top entry vertical check with a test drain; **H1410-2A** for the ASSE approved model angle dual check valve.



**Angle dual check valve**

### Dimensions



Meter size	5/8"*	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	4"	4"	5"	6"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F	6-7/8" (9"**)	6-7/8" (9" **)	8-1/4" (10" **)	10-3/16" (12" **)

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2410R.

\*\* With 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

**SPECIFY METER SIZE AND CATALOG NUMBER.**

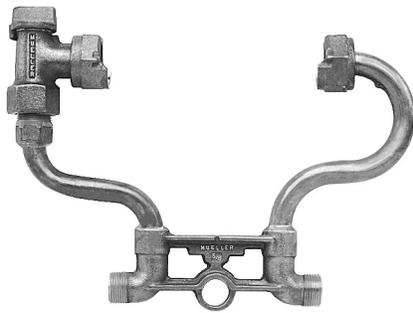
# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.**

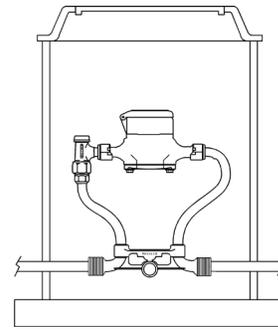
**8A.9**

Rev. 9-09

8A - COPPER YOKES



M.I.P. thread ends (H-1434 shown)



Typical installation of a horizontal inlet and outlet copper meter yoke

## Copper meter yokes with horizontal inlet and outlet, and M.I.P thread ends

Catalog number	H-1430	H-1431	H-1434	H-1435	B-2434	B-2435
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



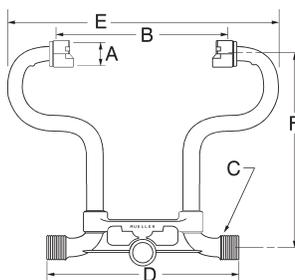
M-98™ ASSE approved top entry vertical check valve

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1434-6D** for the ASSE approved top entry vertical check with a test drain; **H-1434-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8"	5/8" x 3/4"*	3/4"*	1"*
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-3/8"	11-1/8"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	6-11/16"	6-11/16"	8-1/8"	9-13/16"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2434R.

\*\* Minimum with 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See section six (6) for end connections that can be used with these yokes.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

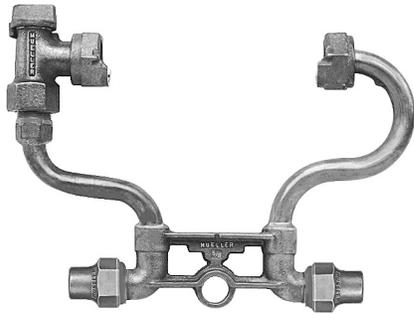
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.8

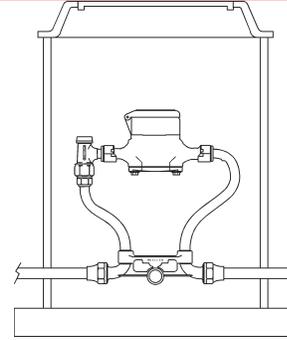


# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

Rev. 9-09



MUELLER® integral copper flare connection ends (B-2532-6A)



Typical installation of a horizontal inlet and outlet copper meter yoke

## Copper meter yokes with horizontal inlet and outlet, and Copper Flare ends

Catalog number	H-1530	H-1531	H-1532	H-1533	B-2532	B-2533
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



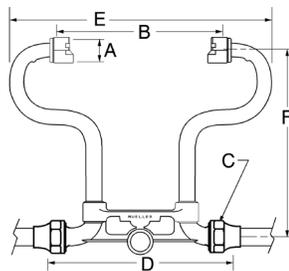
M-98™ ASSE approved top entry vertical check valve

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1530-6D** for the ASSE approved top entry vertical check with a test drain; **H-1530-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8"*	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2404R.

\*\* Minimum with 6A or 6D option.

Note: the 5/8", 5/8" x 3/4", and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

## SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.

8A - COPPER YOKES

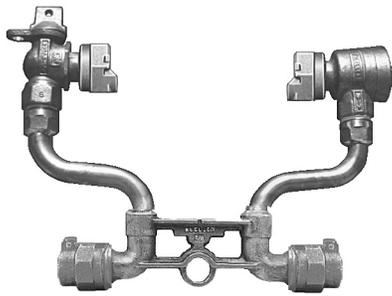
# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.**

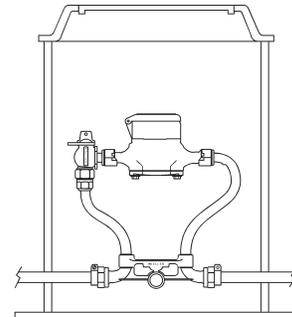
**8A.7**

Rev. 9-09

**8A - COPPER YOKES**



**Mueller Pack Joint Connection ends  
(P-2552-2A)**



**Typical installation of a horizontal inlet  
and outlet copper meter yoke**

**Copper meter yokes with horizontal inlet and outlet, and Mueller Pack Joint Connection ends for IPS PVC**

Catalog number	P-1550	P-1551	P-1552	P-1553	P-2552	P-2553
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve



**M-98™ ASSE approved top entry vertical check valve**

### Check valve options

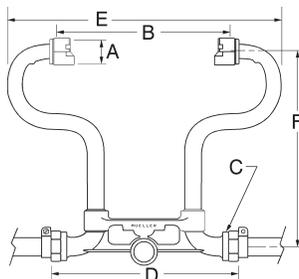
MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**P-1550-6D** for the ASSE approved top entry vertical check with a test drain;  
**P-1550-2A** for the ASSE approved model angle dual check valve.



**Angle dual check valve**

### Dimensions



Meter size	5/8"*	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2470R.

\*\* Minimum with 6A or 6D options.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18"

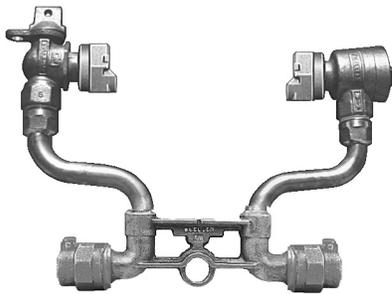
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.6

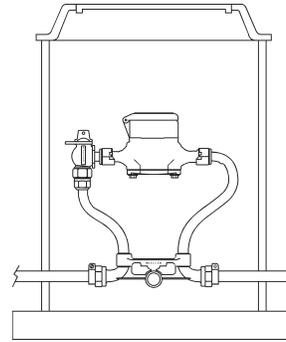


# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

Rev. 9-09



Mueller Pack Joint Connection ends (P-2542-2A)



Typical installation of a horizontal inlet and outlet copper meter yoke

Copper meter yokes with horizontal inlet and outlet, and Mueller Pack Joint Connection ends for IPS PE

Catalog number	P-1540	P-1541	P-1542	P-1543	P-2542	P-2543
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:



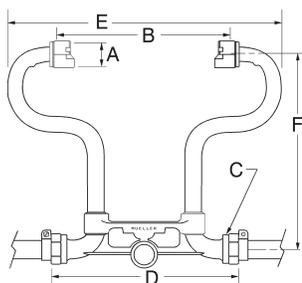
M-98™ ASSE approved top entry vertical check valve



Angle dual check valve

**P-1540-6D** for the ASSE approved top entry vertical check with a test drain;  
**P-1540-2A** for the ASSE approved model angle dual check valve.

### Dimensions



Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9"**)	8" (10"**)	10" (12"**)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2470R.

\*\* Minimum with 6A or 6D options.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18"

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

8A - COPPER YOKES

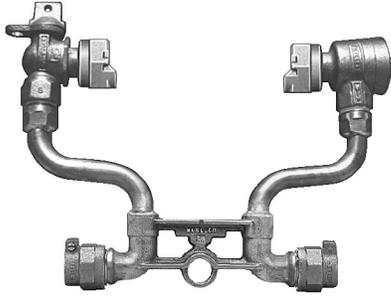
# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.**

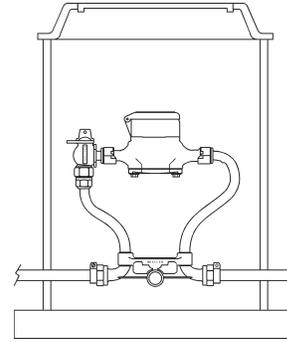
**8A.5**

Rev. 9-09

8A - COPPER YOKES



MUELLER® Pack Joint Connection ends  
(P-2470-2A shown)



Typical installation of a horizontal inlet and outlet copper meter yoke

## Copper meter yokes with horizontal inlet and outlet, and Mueller Pack Joint Connection ends for CTS

Catalog number	P-1468	P-1469	P-1470	P-1471	P-2470	P-2471
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve

For 1" inlet and out, add a 1 to the part number - example P-24701 on the 5/8", 5/8"x3/4" or 3/4"



M-98™ ASSE approved top entry vertical check valve

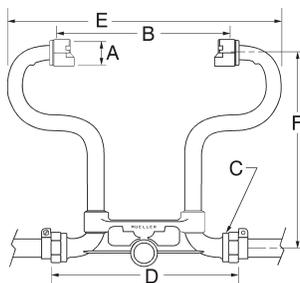
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples:

**P-2470-6D** for the ASSE approved top entry vertical check with a test drain; **P-2470-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2470R.

\*\* Minimum with 6A or 6D options.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18"

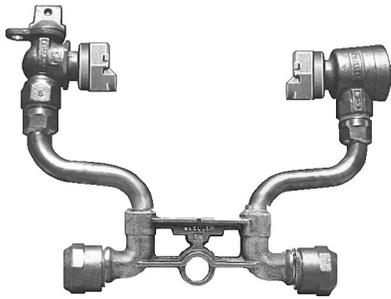
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.4

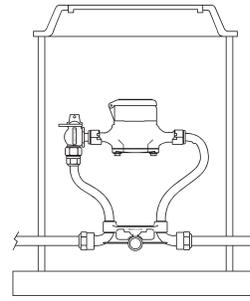


# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

Rev. 9-09



MUELLER 110<sup>®</sup> Conductive Compression ends (B-2470-2A)



Typical installation of a horizontal inlet and outlet copper meter yoke

Copper meter yokes with horizontal inlet and outlet, and Mueller<sup>®</sup> 110 Conductive Compression Connection ends for CTS

Catalog number	H-1468	H-1469	H-1470	H-1471	B-2470	B-2471
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve*	With lock wing MUELLER 300™ Angle Ball Valve* and test valve

For 1" inlet and out, add a 1 to the part number - example B-24701 on the 5/8", 5/8"x3/4" or 3/4"



M-98™ ASSE approved top entry vertical check valve

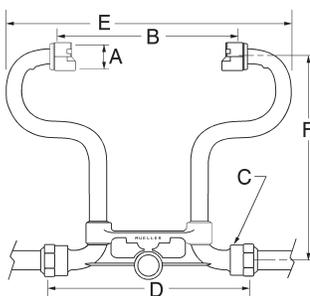
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve ; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1468-6D** for the ASSE approved top entry vertical check with a test drain; **H-1468-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2404R.

\*\* Minimum with 6A or 6D option.

Note: the 5/8", 5/8" x 3/4", and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

8A - COPPER YOKES

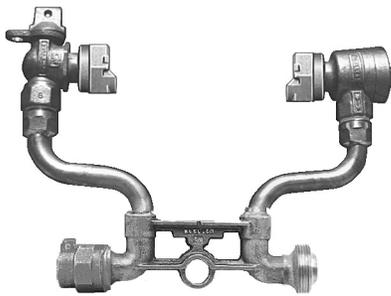
# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.**

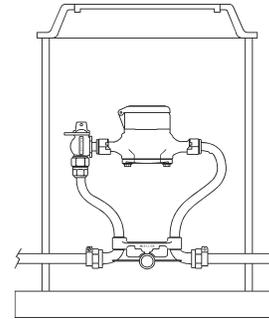
**8A.3**

Rev. 9-09

8A - COPPER YOKES



MUELLER® Pack Joint Connection ends  
(P-22577-2A shown)



Typical installation of a horizontal inlet and outlet copper meter yoke

Copper meter yokes with horizontal inlet and outlet, and Mueller Pack Joint Connection end for CTS x Multi-purpose end.

Catalog number	P-1575	P-1575	P-1577	P-1578	P-2577	B-2576
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Meter Ball Valve*	With lock wing MUELLER 300 Angle Ball Valve* and test valve

For 1" x 3/4" add a 1 to the part number - example P-15751



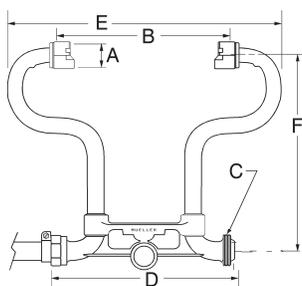
M-98™ ASSE approved top entry vertical check valve

### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **P-2577-6D** for the ASSE approved top entry vertical check with a test drain; **P-2577-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve



### Dimensions

Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 P-2470R.

\*\* Minimum with 6A or 6D options.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

Note: the 5/8", 5/8" x 3/4" and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18"

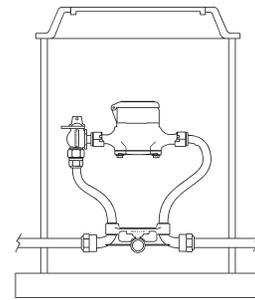
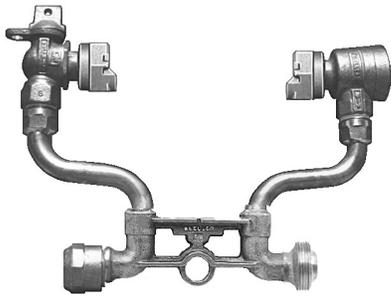
**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

# 8A.2



# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

Rev. 9-09



MUELLER 110<sup>®</sup> Conductive Compression end x Multi-purpose ends (B-2577-2A)

Typical installation of a horizontal inlet and outlet copper meter yoke

Copper meter yokes with horizontal inlet and outlet, and Mueller<sup>®</sup> 110 Conductive Compression Connection end for CTS x Multi-purpose end.

Catalog number	H-1575	H-1576	H-1577	H-1578	B-2577	B-2576
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300 <sup>™</sup> Angle Meter Ball Valve*	With lock wing MUELLER 300 <sup>™</sup> Angle Ball Valve* and test valve

For 1" x 3/4" add a 1 to the part number - example H-15751



M-98<sup>™</sup> ASSE approved top entry vertical check valve

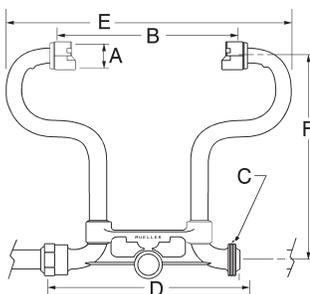
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve ; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **-2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1575-6D** for the ASSE approved top entry vertical check with a test drain; **H-1575-2A** for the ASSE approved model angle dual check valve.



Angle dual check valve

### Dimensions



Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2404R.

\*\* Minimum with 6A or 6D option.

Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.

Note: the 5/8", 5/8" x 3/4", and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

8A - COPPER YOKES

# COPPER METER YOKES WITH HORIZONTAL INLET AND OUTLET

**Mueller Co.**

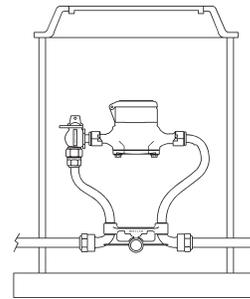
**8A.1**

Rev. 9-09

**8A - COPPER YOKES**



**Multi-purpose thread ends (H-1405 shown)**



**Typical installation of a horizontal inlet and outlet copper meter yoke.**

Copper meter yokes with horizontal inlet and outlet and multi - purpose thread ends

Catalog number	H-1400	H-1401	H-1404	H-1405	B-2404	B-2405
Description	Plain yoke	With test valve	With lock wing ground key angle meter stop	With lock wing ground key angle meter stop and test valve	With lock wing MUELLER 300™ Angle Ball Valve	With lock wing MUELLER 300™ Angle Ball Valve and test valve



**M-98™ ASSE approved top entry vertical check valve**

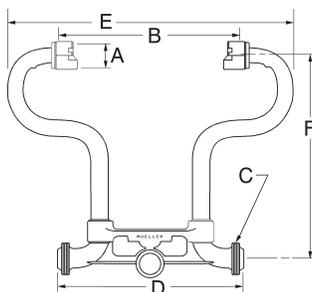
### Check valve options

MUELLER Copper Meter Yokes can be ordered with one of the following: an ASSE approved top entry vertical check valve; an ASSE approved dual check valve; a dual check valve (ASSE non-approved). To order the ASSE approved top entry check feature, add a suffix of **-6A** to the yoke catalog number; add **-6D** for the same check with a test drain. For the dual check feature, add a suffix of **2A** to the yoke catalog number for the ASSE approved model or **-2** suffix for the nonapproved model. Examples: **H-1404-6D** for the ASSE approved top entry vertical check with a test drain; **H-1404-2A** for the ASSE approved model angle dual check valve.



**Angle dual check valve**

### Dimensions



Meter size	5/8"	5/8" x 3/4" *	3/4" *	1" *
Nominal size of I.P. thread in meter nut	3/4"	1"	1"	1-1/4"
Dimension A	1-1/16"	1-5/16"	1-5/16"	1-5/8"
Dimension B	7-7/8"	7-7/8"	9-5/16"	11-1/16"
Dimension C - nominal pipe size of inlet and outlet	3/4"	3/4"	3/4"	1"
Dimension D	7-15/16"	7-15/16"	9-3/8"	11-1/8"
Dimension E	12-5/8"	12-5/8"	14-1/4"	17-1/4"
Dimension F - minimum riser height	7" (9"**)	7" (9" **)	8" (10" **)	10" (12" **)
Other riser heights available	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	9", 12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"	12", 15", 18", 21", 24", 27", 30", 33", and 36"

\* Add "R" to the end of the \*Add "R" to the end of the yoke catalog number to order a reduced port Angle Ball Valve; EXAMPLE: 5/8x3/4x7 B-2404R.

\*\* Minimum with 6A or 6D option.

**Copper Meter Yokes are normally supplied less end connections. See pages 8A.48 and 8A.49 for end connections that can be used with these yokes.**

Note: the 5/8", 5/8" x 3/4", and 3/4" sizes are furnished with a tie bar on heights greater than 15". The 1" size is furnished with a tie bar on heights greater than 18".

**SPECIFY METER SIZE, RISER HEIGHT AND CATALOG NUMBER.**

**8.6**

**Mueller Co.**

Rev. 4-99

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8A - COPPER YOKES

8B - C.I. YOKES

8C - C.I. BOXES

8D - VALVES/CHECKS

8E - COUPLINGS/MISC.

8F - PVC BOXES/AULTS

**Mueller Co.**

[www.muellercompany.com](http://www.muellercompany.com)  
[moreinfo@muellercompany.com](mailto:moreinfo@muellercompany.com)

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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.

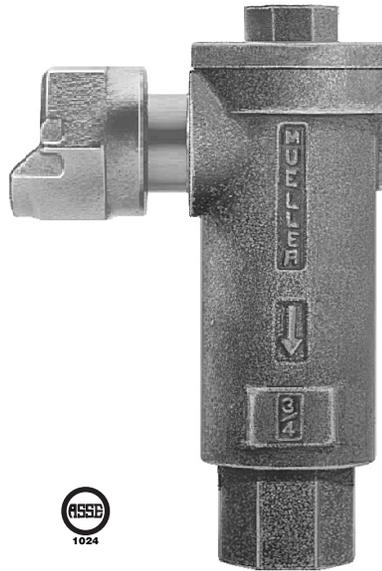
Dual check valves are used to prevent the backflow of possibly contaminated water into the potable wa-

ter 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.

## 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.



- ❑ MANUFACTURED UNDER U.S. PATENT NO. 4,953,588.

- ❑ 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 ASTM B62 (85-5-5-5) brass for strength and durability.

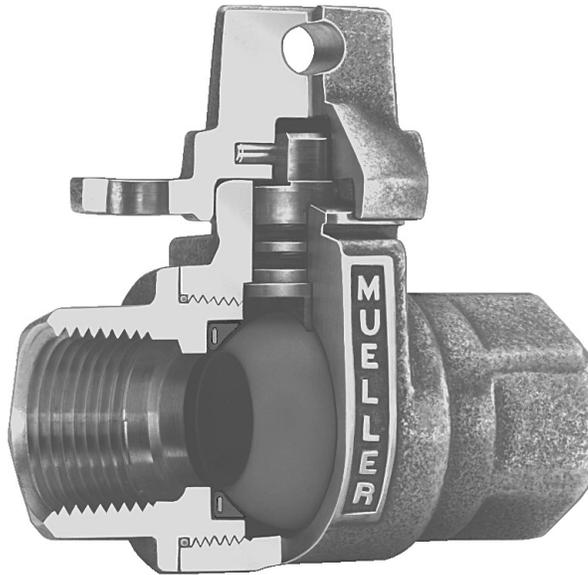
Rev. 4-01

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.

### 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 ASTM B62 (85-5-5-5) brass for strength and durability.
- ❑ STAINLESS STEEL REINFORCED SEAT O-RINGS - assures reliable seal under full flow and pressure.
- ❑ LEVER HANDLES - are available as optional items.
- ❑ 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.



# ANGLE METER - MUELLER® 300™ BALL VALVE

Mueller Co.

8.3

Rev. 9-09

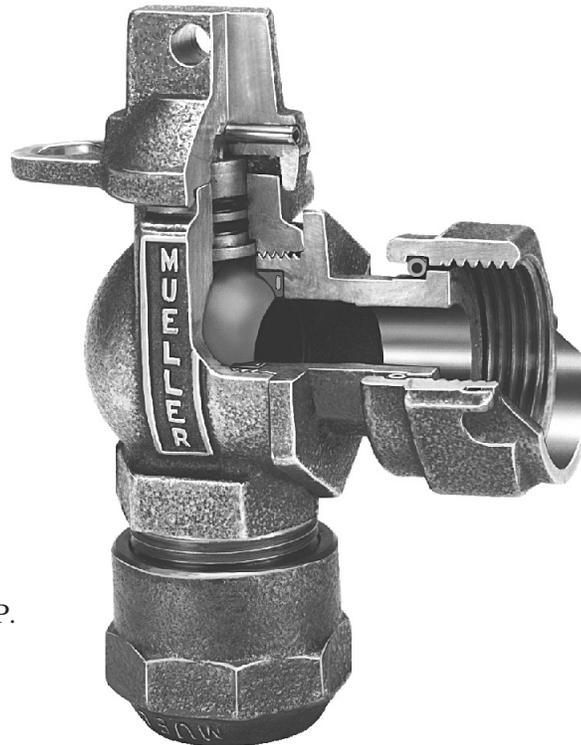
The MUELLER 300 Ball Angle Meter Valve is an optimized design combining a strong, reliable ball/stem connection with other desirable features, including a blow-out-proof stem, double O-rings and a 300 psig working pressure rating.

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.

## 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.



- ❑ **HEAVY BRASS COMPONENTS** - constructed of ASTM B62 (85-5-5-5) brass for strength and durability.

- ❑ **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).

8A - COPPER YOKES

8B - C.I. YOKES

8C - C.I. BOXES

8D - VALVES/CHECKS

8E - COUPLINGS/MISC.

8F - PVC BOXES/VALVES

# CAST IRON METER YOKES AND CAST IRON METER BOXES

## 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® 300™ 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.

## 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.
- ❑ Easy-turning brass expansion handwheel has O-ring for positive sealing.
- ❑ 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.