

# BALL ANGLE METER VALVES

## 3/4" & 1" SIZES

Mueller Co.

8D.1

Shaded area indicates change Rev. 9-16



### 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.

Example: B-24258-3

**B-24258N**

Catalog size	5/8"x3/4" R †	5/8"x3/4"	5/8"x3/4"x3/4" R †
Meter size	5/8"	5/8"	5/8"x3/4", 3/4"
Tubing size	3/4"	3/4"	3/4"
Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1" R †
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4	1"
Tubing size	3/4"	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-24258N**

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



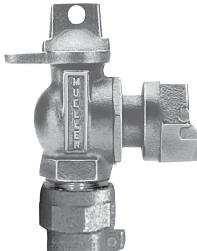
### Mueller 300 Ball Angle Meter Valve

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-24259N**

Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4	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-24259N**

Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4	1"
Tubing size	3/4"	1"	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-24266N**

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



### 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

*Note: Two-piece factory assembly*

Catalog size	5/8"x3/4"x3/4"	1"
Meter size	5/8"x3/4", 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.

\*\* 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.

Rev. 9-16 Shaded area indicates changes

**B-24255N****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

Catalog size	5/8"x3/4" R $\dagger$	5/8"x3/4"	5/8"x3/4"x3/4"
Meter size	5/8"	5/8"	5/8"x3/4", 3/4"
Tubing size	3/4"	3/4"	3/4"

Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1" R $\dagger$	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"	1"
Tubing size	3/4"	1"	1"	1"

**B-24276N****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

Catalog size	1-1/2"	2" $\ddagger$ $\ddagger$
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"

**B-24277N****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

Catalog size	1-1/2"	2" $\ddagger$ $\ddagger$
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"

**B-24265N****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

Catalog size	5/8"x3/4" R $\dagger$	5/8"x3/4"	5/8"x3/4"x3/4" R $\dagger$
Meter size	5/8"	5/8"	5/8"x3/4", 3/4"
Tubing size	3/4"	3/4"	3/4"

Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1" R $\dagger$	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"	1"
Tubing size	3/4"	1"	1"	1"

**P-24276N****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

Catalog size	1-1/2"	2" $\ddagger$ $\ddagger$
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"

**B-24286N****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

Catalog size	1-1/2"	2" $\ddagger$ $\ddagger$
Meter size	1-1/2"	1-1/2", 2"
Tubing size	1-1/2"	2"

**B-24371N****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

**V-24288N****Mueller 300 Ball Angle Meter Valve**Mueller® Pack Joint Connection for PVC tubing\* x meter flange  
Quarter turn check - lock wing. 360° turn option available by adding -3 suffix to catalog number.

Note: Two-piece factory assembly

Example: V-24288-3

Catalog size	1-1/2"	2" $\ddagger$ $\ddagger$
Meter size	1-1/2"	2"
Tubing size	1-1/2"	2"

\* 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.

# BALL ANGLE SERVICE VALVES

## 3/4" & 1" SIZES

Mueller Co.

8D.3

Shaded area indicates change Rev. 4-14



### 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-24274N**

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-24275N**

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



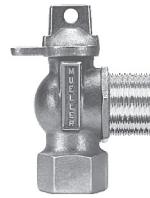
### Mueller 300 Ball Angle Service Valve

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-24285N**

Catalog size	3/4"	3/4" R †	1" R †	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

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

**B-24287N**

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

this connection.

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

Rev. 2-17 Shaded area indicates changes



B-24350N

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



B-24353N

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



B-24352N

**Mueller 300 Ball Straight Meter Valve**  
 Copper flare nut x meter swivel nut\*\*.

Quarter turn check - lockwing. 360° turn option  
 available by adding -3 suffix to catalog number.

Example: B-24352-3

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



B-24394N

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



V-25237N

**Mueller 300 Ball Straight Meter Valve**  
 Mueller Pack Joint for PVC x  
 meter swivel nut\*\*.

Quarter turn check - lock wing. 360° turn option  
 available by adding -3 suffix to catalog number.

Example: V-25237-3

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



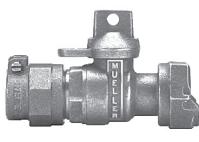
P-24350N

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



E-24353N

**Mueller 300 Ball Straight Meter Valve**  
 Mueller Pack Joint for 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"	5/8"x3/4"x1"	1" R †	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"	1"
Tubing size	3/4"	1"	1"	1"



B-24351N

**Mueller 300 Ball Straight Meter Valve**  
 F.I.P. x meter swivel nut\*\*.

Quarter turn check - lockwing. 360° turn option  
 available by adding -3 suffix to catalog number.

Example: B-24351-3

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



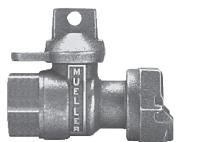
B-24363N

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



B-24371RN

**Mueller® 300™ Ball Straight Meter Valve**  
 F.I.P. meter swivel nut

Quarter turn check - lock wing. 360° turn  
 option available by adding -3 suffix to catalog  
 number. 4" length.

Example: B-24351-3

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

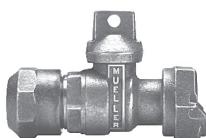
# BALL STRAIGHT METER VALVES

## 3/4" - 2" SIZES

Mueller Co.

8D.5

Shaded area indicates change Rev. 1-16



**B-24331N**

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

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



**P-24335N**

**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" ††
Pipe size	1-1/2"	2" ††



**B-24335N**

**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



**B-24337N**

**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" ††

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



**B-24334N**

**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" ††



**E-24333N**

**Mueller 300 Ball Straight Meter Valve**  
IPS PEP Pack Joint x outlet 2 bolt meter flange w lock wing  
Quarter turn check. Non-lock wing body.  
360° turn option available by adding -3 suffix to catalog number.

Example: B-24331-3

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



**V-25240N**

**Mueller 300 Ball Straight Meter Valve**  
PVC Pack Joint x outlet 2 bolt meter flange w lock wing  
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" ††

\* 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. 4-14 Shaded area indicates change

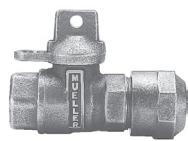


B-25146N

**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)

Catalog size	3/4" R †	3/4"	1" R †	1"	1-1/2"	2"
Meter size	5/8"	3/4"	3/4"	1"	1-1/2"	2"
Tubing size	3/4"	3/4"	1"	1"	1-1/2"	2"



B-25170N

**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)

Catalog size	3/4" R †	3/4"	3/4"x1"	1" R †	1"x3/4" R †	1-1/2"	2"
Meter size	5/8"	3/4"	3/4"	3/4"	3/4"	1-1/2"	2"
Tubing size	3/4"	3/4"	3/4"	1"	1"	1-1/2"	2"

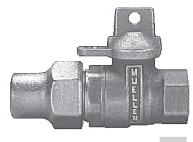


B-25196N

**Mueller 300 Ball Straight Service**

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)

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



B-25166N

**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)

Catalog size	3/4" R †	3/4"	1" R †	1"	1-1/2"	2"
Meter size	5/8"	3/4"	3/4"	1"	1-1/2"	2"
Tubing size	3/4"	3/4"	1"	1"	1-1/2"	2"



B-20200N

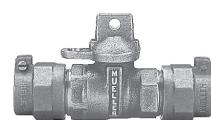
**Mueller 300 Ball Straight Service Valve**

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)

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

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.

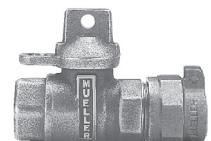


P-25146N

**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)

Catalog size	3/4" R †	3/4"	1" R †	1"	1-1/2"	2"
Meter size	5/8"	3/4"	3/4"	1"	1-1/2"	2"
Tubing size	3/4"	3/4"	1"	1"	1-1/2"	2"



P-25170N

**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)

Catalog size	3/4" R †	3/4"	3/4"x1"	1" R †	1"x3/4" R †	1-1/2"	2"
Meter size	5/8"	3/4"	3/4"	3/4"	3/4"	1-1/2"	2"
Tubing size	3/4"	3/4"	3/4"	1"	1"	1-1/2"	2"



B-25143N

**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)

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



B-25168N

**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

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



B-20245N

**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  
 \* See charts on pages 8D.17 and 8D.18 for

Catalog size	3/4" R †
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# BALL STRAIGHT SERVICE VALVES 3/4"-2" SIZES

Mueller Co.

8D.7

Shaded area indicates change Rev. 9-17



**V-25236N**

### Mueller 300 Ball Straight Service 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 (V-25236-3)

Catalog size	1"
Valve size	1"
Pipe size	1"

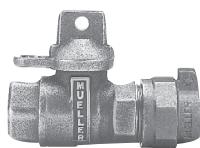


**B-25130N**

### Mueller 300 Ball Straight Meter 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 (B-25130-3)  
3/4" = 3.95" length, 1" = 5" length, and  
3.4"R = 4-1/16" length

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

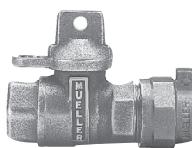


**V-25108N**

### 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)

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

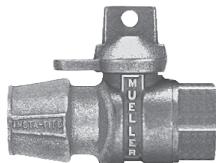


**E-25196N**

### Mueller 300 Ball Straight Service Valve

Mueller Pack Joint 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)  
NOTE: 3/4" size may also be used on PVC

Catalog size	3/4"	1"	1-1/2"	2"
Valve size	3/4"	1"	1-1/2"	2"
Pipe size	3/4"	1"	1-1/2"	2"



**B-20211N**

### 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 (V-25108-3)  
Example: B-20211-3

Catalog size	3/4"	3/4"R	1"	1"R
Valve size	3/4"	5/8"x3/4", 3/4"	1"	1"
Pipe size	3/4"	3/4"	1"	1"

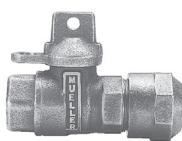


**B-20242N**

### Mueller 300 Ball Curb Valve

F.I.P. x M.I.P.  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (B-20285-3)

Catalog size	3/4"	1"	1-1/2"	2"
Valve size	3/4"	1"	1-1/2"	2"
Pipe size	3/4"	1"	1-1/2"	2"



**K-25170N**

### Mueller 300 Ball Straight Curb Valve

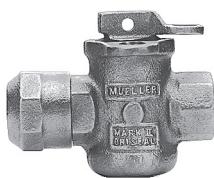
F.I.P x Kitec Compression  
Quarter turn check - lock wing.  
360° turn option available by adding -3 suffix to catalog number (K-25170-3)

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

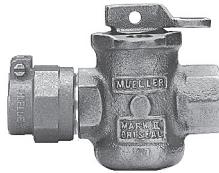
\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

Mueller Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

Rev. 4-14 Shaded area indicates changes



**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*



**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*

**H-15170N**

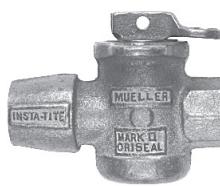
Catalog size	3/4	1
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**Mueller MARK II ORISEAL®  
Straight Service Valve**  
Mueller INSTA-TITE®  
Connection for IPS\* PE pipe x  
F.I.P.  
*Quarter turn check - lock wing*

**P-15170N**

Catalog size	3/4	1
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**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*

**H-15195N**

Catalog size	3/4
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**Mueller MARK II ORISEAL®  
Straight Service Valve**  
Copper flare nut x F.I.P.  
*Quarter turn check - lock wing*

**H-15197N**

Catalog size	3/4
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**Mueller MARK II ORISEAL®  
Straight Service Valve**  
F.I.P. x F.I.P.  
*Quarter turn check - lock wing*

**H-15166N**

Catalog size	3/4	1
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\* See charts on pages 8D.17 and 8D.18 for tubing that may be used with these connections.

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

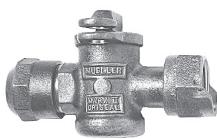
# STRAIGHT METER VALVES

## 3/4"-2" SIZES

Mueller Co.

8D.9

Shaded area indicates change Rev. 3-18



### 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

**H-14350N**

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



### 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

**P-14350N**

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



### Mueller MARK II ORISEAL

#### Straight Meter Valve

Copper flare nut x meter  
swivel nut\*\*  
Quarter turn check - lock wing

**H-14352N**

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



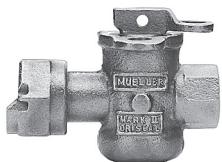
### Mueller MARK II ORISEAL

#### Straight Meter Valve

F.I.P. x meter flange  
Quarter turn check - lock wing

**H-14337N**

Catalog size	2" R ††
Meter size	1-1/2" or 2"
Tubing size	2"



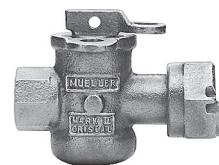
### Mueller MARK II ORISEAL

#### Straight Meter Valve

F.I.P. x meter swivel nut\*\*  
Quarter turn check

**H-14345N**

Catalog size	1"
Valve size	1"
Pipe size	1"



### 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

**H-14351N**

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. 3-18 Shaded area indicates changes

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[www.muellercompany.com](http://www.muellercompany.com) • [moreinfo@muellercompany.com](mailto:moreinfo@muellercompany.com)

# GROUND KEY ANGLE METER VALVES

## 3/4" & 1" SIZES

Mueller Co.

# 8D.11

Shaded area indicates change Rev. 5-18



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

**H-14258N**

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



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

**P-14258N**

Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"
Pipe 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-14259N**

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



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

**H-14266N**

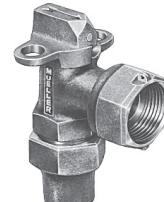
Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"
Pipe size	3/4"	1"	1"



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

**H-14267N**

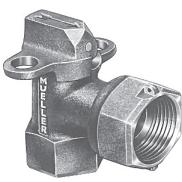
Catalog size	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"
Pipe size	3/4"	1"	1"



Copper flare nut x meter swivel nut\*\*  
180° turn check - lock wing

**H-14255N**

Catalog size	5/8"x3/4"	5/8"x3/4"x3/4"	5/8"x3/4"x1"	1"
Meter size	5/8"	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"
Pipe 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-14265N**

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



**Ground key angle meter stop**  
Mueller Pack Joint for IPS PE\* plastic  
pipe x meter swivel nut\*\*  
180° turn check - lock wing

**E-14259N**

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

Mueller Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

Rev. 4-20 Shaded area indicates changes

**H-14277N**

**Ground Key Angle Meter Valve**  
Mueller 110® 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"
Tubing size	1-1/2"	2"

**P-14277N**

**Ground Key Angle Meter Valve**  
Mueller® Pack Joint  
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"
Tubing size	1-1/2"	2"

**H-14276N**

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

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

**H-14286N**

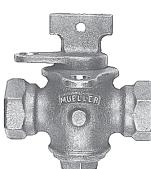
**Ground Key Angle Meter Valve**  
F.I.P. x meter flange  
*180° turn check - lock wing*

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

**H-14285N**

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

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

**Mueller Solid Tee Head**  
Roundway Meter Stop  
F.I.P. x F.I.P.  
*360° turn - lock wing*

Catalog size	1-1/2"
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**V-14277**

**Ground Key Angle Meter Valve**  
Mueller® Pack Joint  
Connection for  
PVC pipe x meter flange

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

\* 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.



H-14241N

**Straight dual check valve****Inlet:** M.I.P.**Outlet:** F.I.P.

To order ASSE approved†† model add suffix -A to catalog number



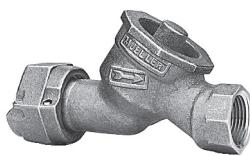
H-14243N

**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"	3/4"x1" ††	1"
Pipe size	3/4"	3/4" in, 1" out	1"

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



H-14242N

**Straight dual check valve****Inlet:** Meter swivel nut\***Outlet:** F.I.P.

To order ASSE approved model add suffix -A to catalog number



H-14283N

**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	5/8"x3/4"x3/4"	5/8"x3/4"x1" ††	1"	1-1/2" ††, †††	2" †, ††
Pipe size	5/8"x3/4", 3/4"	5/8"x3/4", 3/4"	1"	1-1/2"	1-1/2", 2"
Tubing size	3/4"	1"	1"	1-1/2"	2"

Catalog size	3/4
Pipe size	3/4



H-14282N

**Straight dual check valve****Inlet:** M.I.P.**Outlet:** M.I.P.

To order ASSE approved†† model add suffix -A to catalog number



H-14272N

**Straight dual check valve****Inlet:** Meter swivel nut\***Outlet:** M.I.P.

To order ASSE approved†† model add suffix -A to catalog number

Catalog size	3/4
Pipe size	3/4

Catalog size	5/8"x3/4"x3/4"	1"
Meter size	5/8"x3/4", 3/4"	1"
Tubing 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 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. 4-14 Shaded area indicates changes



## 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

**H-14269N**

Catalog size	5/8"x3/4"x3/4"	1"	1-1/2"	2"
Pipe size	5/8"x3/4", 3/4"	1"	1-1/2"	2"
Tubing size	3/4"	1"	1-1/2"	2"



## 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

**P-14269N**

Catalog size	5/8"x3/4"x3/4"	1"
Pipe size	5/8"x3/4", 3/4"	1"
Tubing size	3/4"	1"



## 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

**H-14462-AN**

Catalog size	5/8"x3/4"x3/4"	1"	2"
Pipe size	5/8"x3/4", 3/4"	1"	2"
Tubing size	3/4"	1"	2"***



## Angle dual check valve

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

**H-14244N**

Catalog size	5/8"x3/4"	5/8"x3/4"x1"***	1"	1-1/2"***	2"***
Pipe size	5/8"	5/8"x3/4", 3/4"	1"	1-1/2"	1-1/2", 2"
Tubing size	3/4"	3/4"	1"	1-1/2"	2"

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

**H-14461-AN**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  
 To order test valve feature add suffix (-05) to  
 catalog number  
 Example: H-14462-A-05

**H-14460-AN**

Catalog size	5/8"x3/4"x3/4"	1"
Pipe size	5/8"x3/4", 3/4"	1"
Tubing size	3/4"	1"

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

**H-14463-AN**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

**P-14462-AN**

Catalog size	5/8"x3/4"x3/4"	1"
Pipe size	5/8"x3/4", 3/4"	1"
Tubing 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.

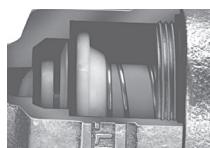
\*\*\*Valves with meter flanges double drilled to fit either 1-1/2" or 2" meters

# DUAL CHECK REPAIR KITS AND OPTIONAL PARTS & ACCESSORIES

Mueller Co.

# 8D.15

Shaded area indicates change Rev. 4-14



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



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

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

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



**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.

**B-20299**



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

**H-10298**

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

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



**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-20298**



**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-20298-99000**



**H-14339**



**B-24339**



**B-20298-99001**

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

**"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.

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



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

## RECLAIMED WATER STYLE:

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

Example: B-24274-20.

## Test Drain Option

\* 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

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## Copper flare connection optional equipment

## Copper flare nut



CATALOG NUMBER:

1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
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## 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"
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## Brass cap



Fits on copper flare spud to cap off line.



CATALOG NUMBER: H-15540N

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"
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## 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"
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## 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 2-3/4lb.

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.

**Tubing, Pipe and Liners Used with Mueller 110 Compression Connection**

Nominal size of connection	Material	Tubing or pipe wall O.D. range (in.)	Tubing or pipe wall thickness range (in.)	Tubing or pipe I.D. range (in.)	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	504835
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
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**

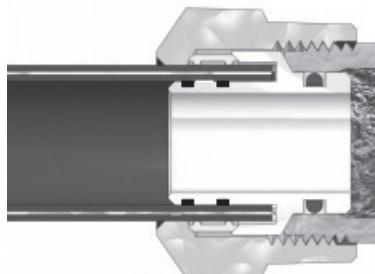
Kit includes one standard Gasket (same used with current style 110 connections) and a special Nut that adapts to the older style connection threads on the fittings. It is installed in the same way as the current style connection (Gasket conductor spring should be toward fitting body).

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



**Mueller KITEC® Compression Connection**

Size	Kit part number
3/4" CTS	682605N
1" CTS	682606N



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## Pack Joint Connection Kits (including gasket and washer)

Nominal size of connection	Tubing or pipe O.D. range (in.)	Tubing or pipe wall thickness (in.)	Tubing or pipe I.D. range (in.)	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



† 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 and Liners for Mueller Pack Joint Connection (not required for Type "K" copper pipe)

Nominal size of connection	Tubing or pipe O.D. range (in.)	Tubing or pipe wall thickness (in.)	Tubing or pipe I.D. range (in.)	Length of line	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

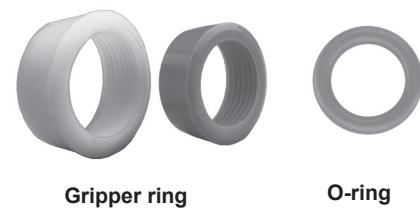
## Polyethylene PE Tubing and Pipe Used with Mueller INSTA-TITE Connections

Nominal size of connection	Material	Tubing or pipe wall O.D. range (in.)	Tubing or pipe wall thickness range (in.)	Tubing or pipe I.D. range (in.)
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 SDR-7

## Polyethylene PE Tubing and Pipe Used with Mueller INSTA-TITE Connections

Nominal size of connection	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



## 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**