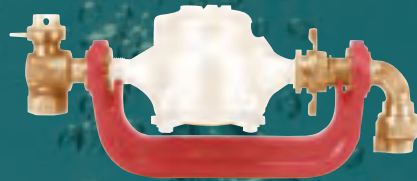




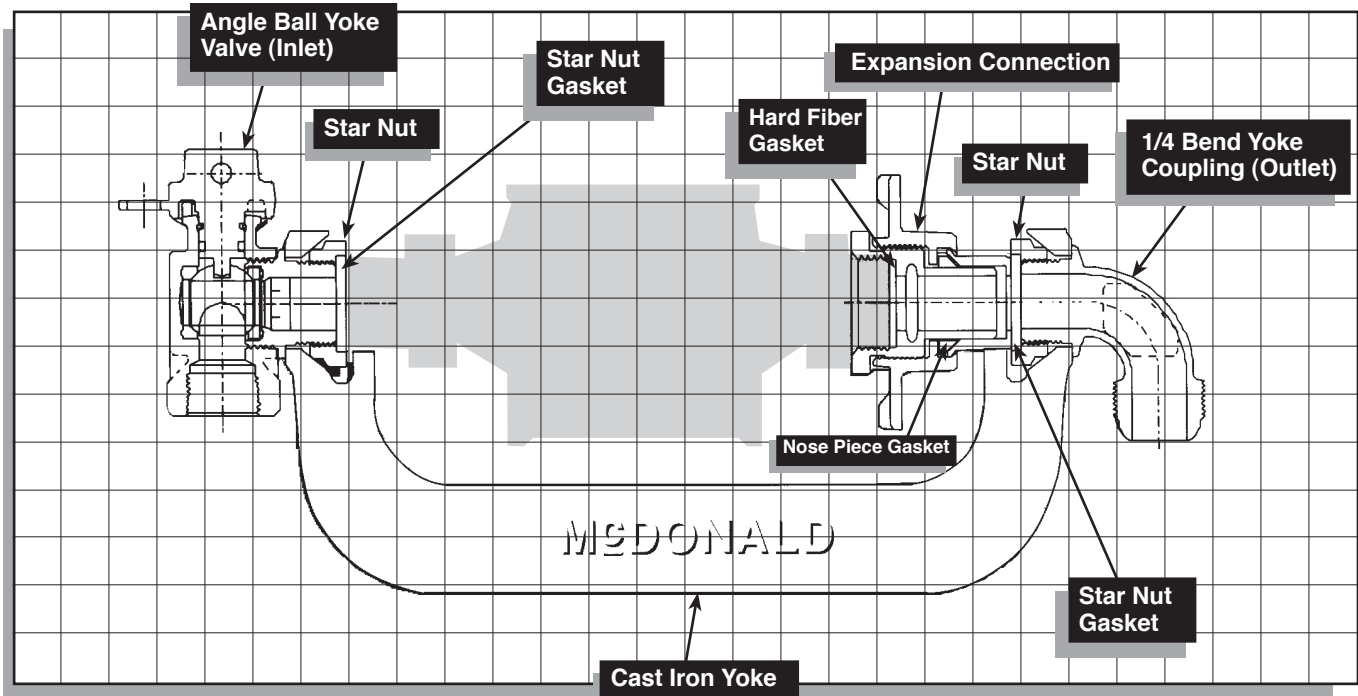
IRON YOKES



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A.Y. McDONALD MFG. CO.
WATER SERVICE PRODUCTS

General Information



Notes

- ◆ All cast brass parts comply with ASTM B62 Alloy C83600.
- ◆ Yoke material is ASTM A126 Class B cast iron.
- ◆ All endpiece gaskets are EPDM rubber.
- ◆ Ball valves are rated at 300 PSIG water pressure (See features in Meter Valve Brochure).
- ◆ Plug valves are rated at 100 PSIG water pressure (See features in Meter Valve Brochure).
- ◆ Cast iron yoke is powder coated.
- ◆ Cast iron yoke has support lip to hold meter and expander during installation.
- ◆ Three piece brass expander has large tightening spokes and includes two star nut gaskets.

How To Order

Each iron yoke assembly consists of four parts that are ordered separately:

1. Cast iron yoke
2. Expansion connection
3. Inlet valve or coupling
4. Outlet valve, coupling or dual check valve

Be sure to order one of each to make up a complete assembly.

Ball Valve Size Description

SIZE means: $\frac{3}{4}$ x $\frac{5}{8}$ x 01 — Meter Size
 End Connection — Ball Opening Size
 01 = 5/8
 02 = 5/8x3/4 or 3/4
 04 = 1

Coupling Size Description

SIZE means: $\frac{3}{4}$ x 01 — Meter Size
 End Connection —
 01 = 5/8
 02 = 5/8x3/4 or 3/4
 04 = 1


Yoke Bars

Standard



MODEL	METER SIZE
14-1	5/8
14-2	5/8x3/4
14-3	3/4
14-4	1

Expansion Connection




MODEL	METER SIZE
14-1EHG	5/8
14-2EHG	5/8x3/4 or 3/4
14-4EHG	1

Includes 2 star nut gaskets

Expansion Wheel Only

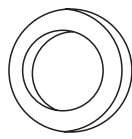
14-1EWH	5/8" Meter Size
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With Integral FNPT outlet




MODEL	METER SIZE
14-1F	5/8
14-2F	5/8x3/4

Expander Hard Fiber Gasket




MODEL	METER SIZE
14-1HG	5/8
14-2HG	5/8x3/4 or 3/4
14-4HG	1

Pronged




MODEL	METER SIZE
14-1P	5/8
14-2P	5/8x3/4
14-3P	3/4
14-4P	1

Expander Beveled Nose Piece Gasket



MODEL	METER SIZE
14-1NG	5/8
14-2NG	5/8x3/4 or 3/4
14-4NG	1

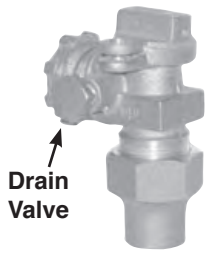
Star Nuts and Gaskets



Star Nuts	
MODEL	METER SIZE
14-1N	5/8
14-2N	5/8x3/4 or 3/4
14-4N	1

Star Nut Gaskets	
MODEL	METER SIZE
14-1G	5/8
14-2G	5/8x3/4 or 3/4
14-4G	1

Angle Valves • Plug Style 100 PSI • Lockwing



Drain Valve

4602YD

For 5/8, 5/8 x 3/4, 3/4 or 1 Meters - ORDER YOKE VALVES BY MODEL NUMBER

Note: Insert stiffeners are required on all flexible plastic connections.

For valves with side Drain with Pentagon head add "D" to model number:

i.e. 4602Y 3/4x01
4602YD 3/4x01

Plug Valve Size Description

SIZE means: 3/4 x 01 — Meter Size
01 = 5/8
02 = 5/8x3/4 or 3/4
04 = 1

End Connection

NOTE: Drain Valve NOT available in all combo's. Contact Factory.



4604Y



4602Y



4602YQ



4602YT



4602Y-22



4602Y-3Q



4602Y-33



4602Y-44



4602Y-55

MODEL NO.	INLET / OUTLET SIZE AND STYLE	METER SIZE
4604Y 3/4"x01	3/4" FNPT	5/8
4604Y 1"x01	1" FNPT	5/8
4604Y 3/4"x02	3/4" FNPT	5/8x3/4 or 3/4
4604Y 1"x02	1" FNPT	5/8x3/4 or 3/4
4604Y 1"x04	1" FNPT	1
4604Y 1 1/4"x04	1 1/4" FNPT	1
4602Y 3/4"x01	3/4" Flare	5/8
4602Y 1"x01	1" Flare	5/8
4602Y 3/4"x02	3/4" Flare	5/8x3/4 or 3/4
4602Y 1"x02	1" Flare	5/8x3/4 or 3/4
4602Y 1"x04	1" Flare	1
4602YQ 3/4"x01	3/4" Q CTS Comp.*	5/8
4602YQ 1"x01	1" Q CTS Comp.*	5/8
4602YQ 3/4"x02	3/4" Q CTS Comp.*	5/8x3/4 or 3/4
4602YQ 1"x02	1" Q CTS Comp.*	5/8x3/4 or 3/4
4602YQ 1"x04	1" Q CTS Comp.*	1
4602YQ 1 1/4"x04	1 1/4" Q CTS Comp.*	1
4602YT 3/4"x01	3/4" T CTS Comp.*	5/8
4602YT 1"x01	1" T CTS Comp.*	5/8
4602YT 3/4"x02	3/4" T CTS Comp.*	5/8x3/4 or 3/4
4602YT 1"x02	1" T CTS Comp.*	5/8x3/4 or 3/4
4602YT 1"x04	1" T CTS Comp.*	1
4602YT 1 1/4"x04	1 1/4" T CTS Comp.*	1
4602Y-22 3/4"x01	3/4" 22 CTS Comp.*	5/8
4602Y-22 1"x01	1" 22 CTS Comp.*	5/8
4602Y-22 3/4"x02	3/4" 22 CTS Comp.*	5/8x3/4 or 3/4
4602Y-22 1"x02	1" 22 CTS Comp.*	5/8x3/4 or 3/4
4602Y-22 1"x04	1" 22 CTS Comp.*	1
4602Y-22 1 1/4"x04	1 1/4" 22 CTS Comp.*	1
4602Y-3Q 3/4"x01	3/4" 3Q PEP Comp.*	5/8
4602Y-3Q 3/4"x02	3/4" 3Q PEP Comp.*	5/8x3/4 or 3/4
4602Y-3Q 1"x04	1" 3Q PEP Comp.*	1
4602Y-33 3/4"x01	3/4" 33 PEP Comp.*	5/8
4602Y-33 3/4"x02	3/4" 33 PEP Comp.*	5/8x3/4 or 3/4
4602Y-33 1"x04	1" 33 PEP Comp.*	1
4602Y-44 3/4"x01	3/4" 44 PVC Comp.	5/8
4602Y-44 3/4"x02	3/4" 44 PVC Comp.	5/8x3/4 or 3/4
4602Y-44 1"x04	1" 44 PVC Comp.	1
4602Y-55 3/4"x01	3/4" 55 IP Comp.	5/8
4602Y-55 3/4"x02	3/4" 55 IP Comp.	5/8x3/4 or 3/4
4602Y-55 1"x04	1" 55 IP Comp.	1

Reduced Port Angle Valves • Ball Style 300 PSI • Lockwing

For 5/8, 5/8 x 3/4, 3/4 or 1 Meters - ORDER YOKE VALVES BY MODEL NUMBER



MODEL NO.	INLET / OUTLET SIZE AND STYLE	BALL SIZE	METER SIZE
4644BY 3/4"x5/8"x01	3/4" FNPT	5/8"	5/8
4644BY 1"x5/8"x01	1" FNPT	5/8"	5/8
4644BY 3/4"x5/8"x02	3/4" FNPT	5/8"	5/8x3/4 or 3/4
4644BY 1"x5/8"x02	1" FNPT	5/8"	5/8x3/4 or 3/4
4644BY 1"x3/4"x04	1" FNPT	3/4"	1
4642BY 3/4"x5/8"x01	3/4" Flare	5/8"	5/8
4642BY 1"x5/8"x01	1" Flare	5/8"	5/8
4642BY 3/4"x5/8"x02	3/4" Flare	5/8"	5/8x3/4 or 3/4
4642BY 1"x5/8"x02	1" Flare	5/8"	5/8x3/4 or 3/4
4642BY 1"x3/4"x04	1" Flare	3/4"	1
4642BYQ 3/4"x5/8"X01	3/4" Q CTS Comp.*	5/8"	5/8
4642BYQ 1"x5/8"X01	1" Q CTS Comp.*	5/8"	5/8
4642BYQ 3/4"x5/8"X02	3/4" Q CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BYQ 1"x5/8"X02	1" Q CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BYQ 1"x3/4"X04	1" Q CTS Comp.*	3/4"	5/8
4642BYT 3/4"x5/8"X01	3/4" T CTS Comp.*	5/8"	5/8
4642BYT 1"x5/8"x01	1" T CTS Comp.*	5/8"	5/8
4642BYT 3/4"x5/8"02	3/4" T CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BYT 1"x5/8"02	1" T CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BYT 1"x3/4"04	1" T CTS Comp.*	3/4"	1
4642BY-22 3/4"x5/8"01	3/4" 22 CTS Comp.*	5/8"	5/8
4642BY-22 1"x5/8"x01	1" 22 CTS Comp.*	5/8"	5/8
4642BY-22 3/4"x5/8"x02	3/4" 22 CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BY-22 1"x5/8"x02	1" 22 CTS Comp.*	5/8"	5/8x3/4 or 3/4
4642BY-22 1"x 3/4"x04	1" 22 CTS Comp.*	3/4"	1
4642BY-3Q 3/4"x5/8"x01	3/4" 3Q PEP Comp.*	5/8"	5/8
4642BY-3Q 3/4"x5/8"x02	3/4" 3Q PEP Comp.*	5/8"	5/8x3/4 or 3/4
4642BY-3Q 1"x3/4"x04	1" 3Q PEP Comp.*	3/4"	1
4642BY-33 3/4"x5/8"x01	3/4" 33 PEP Comp.*	5/8"	5/8
4642BY-33 3/4"x5/8"x02	3/4" 33 PEP Comp.*	5/8"	5/8x3/4 or 3/4
4642BY-33 1"x3/4"x04	1" 33 PEP Comp.*	3/4"	1
4642BY-44 3/4"x5/8"01	3/4" 44 PVC Comp.	5/8"	5/8
4642BY-44 3/4"x5/8"02	3/4" 44 PVC Comp.	5/8"	5/8x3/4 or 3/4
4642BY-44 1"x3/4"x04	1" 44 PVC Comp.	3/4"	1
4642BY-55 3/4"x5/8"01	3/4" 55 IP Comp.	5/8"	5/8
4642BY-55 3/4"x5/8"02	3/4" 55 IP Comp.	5/8"	5/8x3/4 or 3/4
4642BY-55 1"x3/4"x04	1" 55 IP Comp.	3/4"	1

NOTE: Contact factory for valves with

- dielectric bushings add "DB" to part # i.e. 4642BY 3/4" x 5/8" x 01 - 4642BDBY 3/4" x 5/8" x 01
- attached handles add "HB" to part # i.e. 4642BY 3/4" x 5/8" x 01 - 4642BYHB 3/4" x 5/8" x 01
- 360° rotation add 1 to 3rd digit i.e. 4642BY 3/4" x 5/8" x 01 - 4652BY 3/4" x 5/8" x 01

*Insert stiffeners are **required** on all flexible plastic connections.

Ball Valve Size Description

SIZE means: 3/4 x 5/8 x 01

End Connection → 3/4

Ball Opening Size → 5/8

Meter Size → 01

01 = 5/8
02 = 5/8x3/4 or 3/4
04 = 1

■ Full Port Angle Valves • Ball Style 300 PSI • Lockwing

For 5/8, 5/8 x 3/4, 3/4 or 1 Meters - ORDER YOKE VALVES BY MODEL NUMBER



MODEL NO.	INLET / OUTLET SIZE AND STYLE	BALL SIZE	METER SIZE
4604BY	3/4"x3/4"x01	3/4"	5/8
4604BY	1"x3/4"x01	3/4"	5/8
4604BY	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4604BY	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4604BY	1"x1"x04	1"	1
4602BY	3/4"x3/4"x01	3/4"	5/8
4602BY	1"x3/4"x01	3/4"	5/8
4602BY	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY	1"x1"x04	1"	1
4602BYQ	3/4"x3/4"x01	3/4"	5/8
4602BYQ	1"x3/4"x01	3/4"	5/8
4602BYQ	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BYQ	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BYQ	1"x1"x04	1"	1
4602BYT	3/4"x3/4"x01	3/4"	5/8
4602BYT	1"x3/4"x01	3/4"	5/8
4602BYT	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BYT	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BYT	1"x1"x04	1"	1
4602BY-22	3/4"x3/4"x01	3/4"	5/8
4602BY-22	1"x3/4"x01	3/4"	5/8
4602BY-22	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-22	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-22	1"x1"x04	1"	1
4602BY-3Q	3/4"x3/4"x01	3/4"	5/8
4602BY-3Q	1"x3/4"x01	3/4"	5/8
4602BY-3Q	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-3Q	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-3Q	1"x1"x04	1"	1
4602BY-33	3/4"x3/4"x01	3/4"	5/8
4602BY-33	1"x3/4"x01	3/4"	5/8
4602BY-33	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-33	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-33	1"x1"x04	1"	1
4602BY-44	3/4"x3/4"x01	3/4"	5/8
4602BY-44	1"x3/4"x01	3/4"	5/8
4602BY-44	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-44	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-44	1"x1"x04	1"	1
4602BY-55	3/4"x3/4"x01	3/4"	5/8
4602BY-55	1"x3/4"x01	3/4"	5/8
4602BY-55	3/4"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-55	1"x3/4"x02	3/4"	5/8x3/4 or 3/4
4602BY-55	1"x1"x04	1"	1

NOTE: Contact factory for valves with
 • dielectric bushings add "DB" to part # i.e. 4602BY 3/4" x 3/4"x 01 - 4602BDBY 3/4" x 3/4" x 01
 • attached handles add "HB" to part # i.e. 4602BY 3/4" x 3/4"x 01 - 4602BYHB 3/4" x 3/4" x 01
 • 360° rotation add 1 to 3rd digit i.e. 4602BY 3/4" x 3/4"x 01 - 4612BY 3/4" x 3/4" x 01

*Insert stiffeners are **required** on all flexible plastic connections.

■ Ball Valve Size Description

SIZE means: 3/4 x 3/4 x 01 → Meter Size

End Connection → 01 = 5/8
02 = 5/8x3/4 or 3/4
04 = 1

Ball Opening Size → 01

Straight Ball Yoke Valves

For 5/8, 5/8 x 3/4, 3/4 or 1 Meters - ORDER YOKE VALVES BY MODEL NUMBER



MODEL NO.				INLET / OUTLET SIZE AND STYLE		BALL SIZE	METER SIZE
FLATHEAD	LOCKWING						
6101Y 3/4"x5/8"X01	6101WY 3/4"x5/8"X01	3/4"	FNPT	5/8"	5/8		
6101Y 1"x3/4"X01	6101WY 1"x3/4"X01	1"	FNPT	3/4"	5/8		
6101Y 3/4"x5/8"X02	6101WY 3/4"x5/8"X02	3/4"	FNPT	5/8"	5/8x3/4 or 3/4		
6101Y 1"x3/4"X02	6101WY 1"x3/4"X02	1"	FNPT	3/4"	5/8x3/4 or 3/4		
6101Y 1"x3/4"X04	6101WY 1"x3/4"X04	1"	FNPT	3/4"	1		
6102Y 3/4"x5/8"X01	6102WY 3/4"x5/8"X01	3/4"	Flare	5/8"	5/8		
6102Y 1"x3/4"X01	6102WY 1"x3/4"X01	1"	Flare	3/4"	5/8		
6102Y 3/4"x5/8"X02	6102WY 3/4"x5/8"X02	3/4"	Flare	5/8"	5/8x3/4 or 3/4		
6102Y 1"x3/4"X02	6102WY 1"x3/4"X02	1"	Flare	3/4"	5/8x3/4 or 3/4		
6102Y 1"x3/4"X04	6102WY 1"x3/4"X04	1"	Flare	3/4"	1		
6102YQ 3/4"x5/8"X01	6102WYQ 3/4"x5/8"X01	3/4"	Q CTS Comp.*	5/8"	5/8		
6102YQ 3/4"x3/4"X01	6102WYQ 3/4"x3/4"X01	3/4"	Q CTS Comp.*	3/4"	5/8		
6102YQ 3/4"x5/8"X02	6102WYQ 3/4"x5/8"X02	3/4"	Q CTS Comp.*	5/8"	5/8x3/4 or 3/4		
6102YQ 3/4"x3/4"X02	6102WYQ 3/4"x3/4"X02	3/4"	Q CTS Comp.*	3/4"	5/8x3/4 or 3/4		
6102YQ 1"x3/4"X04	6102WYQ 1"x3/4"X04	1"	Q CTS Comp.*	3/4"	1		
6102YQ 1"x1"X04	6102WYQ 1"x1"X04	1"	Q CTS Comp.*	1"	1		
6102YT 3/4"x5/8"X01	6102WYT 3/4"x5/8"X01	3/4"	T CTS Comp.*	5/8"	5/8		
6102YT 1"x3/4"X01	6102WYT 1"x3/4"X01	1"	T CTS Comp.*	3/4"	5/8		
6102YT 3/4"x5/8"X02	6102WYT 3/4"x5/8"X02	3/4"	T CTS Comp.*	5/8"	5/8x3/4 or 3/4		
6102YT 1"x3/4"X02	6102WYT 1"x3/4"X02	1"	T CTS Comp.*	3/4"	5/8x3/4 or 3/4		
6102YT 1"x3/4"X04	6102WYT 1"x3/4"X04	1"	T CTS Comp.*	3/4"	1		
6102YT 1"x1"X04	6102WYT 1"x1"X04	1"	T CTS Comp.*	1"	1		
6102Y-22 3/4"x5/8"X01	6102WY-22 3/4"x5/8"X01	3/4"	22 CTS Comp.*	5/8"	5/8		
6102Y-22 1"x3/4"X01	6102WY-22 1"x3/4"X01	1"	22 CTS Comp.*	3/4"	5/8		
6102Y-22 3/4"x5/8"X02	6102WY-22 3/4"x5/8"X02	3/4"	22 CTS Comp.*	5/8"	5/8x3/4 or 3/4		
6102Y-22 1"x3/4"X02	6102WY-22 1"x3/4"X02	1"	22 CTS Comp.*	3/4"	5/8x3/4 or 3/4		
6102Y-22 1"x3/4"X04	6102WY-22 1"x3/4"X04	1"	22 CTS Comp.*	3/4"	1		
6102Y-22 1"x1"X04	6102WY-22 1"x1"X04	1"	22 CTS Comp.*	1"	1		
6102Y-3Q 3/4"x3/4"X01	6102WY-3Q 3/4"x3/4"X01	3/4"	3Q PEP Comp.*	3/4"	5/8		
6102Y-3Q 3/4"x3/4"X02	6102WY-3Q 3/4"x3/4"X02	3/4"	3Q PEP Comp.*	3/4"	5/8x3/4 or 3/4		
6102Y-33 3/4"x3/4"X01	6102WY-33 3/4"x3/4"X01	3/4"	33 PEP Comp.*	3/4"	5/8		
6102Y-33 3/4"x3/4"X02	6102WY-33 3/4"x3/4"X02	3/4"	33 PEP Comp.*	3/4"	5/8x3/4 or 3/4		
6102Y-44 3/4"x3/4"X01	6102WY-44 3/4"x3/4"X01	3/4"	44 PVC Comp.	3/4"	5/8		
6102Y-44 3/4"x3/4"X02	6102WY-44 3/4"x3/4"X02	3/4"	44 PVC Comp.	3/4"	5/8x3/4 or 3/4		
6102Y-55 3/4"x3/4"X01	6102WY-55 3/4"x3/4"X01	3/4"	55 IP Comp.	3/4"	5/8		
6102Y-55 3/4"x3/4"X02	6102WY-55 3/4"x3/4"X02	3/4"	55 IP Comp.	3/4"	5/8x3/4 or 3/4		

NOTE: Contact factory for valves with:

- dielectric bushings add "DB" to part # i.e. 6101Y 3/4" x 5/8" x 01 - 6101DBY 3/4" x 5/8" x 01
- attached handles add "HB" to part # i.e. 6101Y 3/4" x 5/8" x 01 - 6101YHB 3/4" x 5/8" x 01
- 360° rotation add 1 to 3rd digit i.e. 6101Y 3/4" x 5/8" x 01 - 6111Y 3/4" x 5/8" x 01
- for reclaiming water pinned scamped add "RWP" ex: 6102WY-22RWP 3/4" x 5/8" x 3/4" or RWT for tag version

Ball Valve Size Description

SIZE means: 3/4 x 5/8 x 01

End Connection

Meter Size
 01 = 5/8
 02 = 5/8x3/4 or 3/4
 04 = 1

Yoke Couplings

1/4 Bend



4779FY



4779MY



4779Y



4779YQ



4779YT



4779Y-22



4779Y-3Q



4779Y-33



4779Y-44



4779Y-55

MODEL NO.	INLET / OUTLET	METER SIZE
4779FY 3/4"x01	3/4" FNPT	5/8
4779FY 1"x01	1" FNPT	5/8
4779FY 3/4"x02	3/4" FNPT	5/8x3/4 or 3/4
4779FY 1"x02	1" FNPT	5/8x3/4 or 3/4
4779FY 1"x04	1" FNPT	1
4779FY 1 1/4"x04	1 1/4" FNPT	1
4779MY 3/4"x01	3/4" MNPT	5/8
4779MY 3/4"x02	3/4" MNPT	5/8x3/4 or 3/4
4779Y 3/4"x01	3/4" Flare	5/8
4779Y 1"x01	1" Flare	5/8
4779Y 3/4"x02	3/4" Flare	5/8x3/4 or 3/4
4779Y 1"x02	1" Flare	5/8x3/4 or 3/4
4779Y 1"x04	1" Flare	1
4779YQ 3/4"x01	3/4" Q CTS Comp.*	5/8
4779YQ 1"x01	1" Q CTS Comp.*	5/8
4779YQ 3/4"x02	3/4" Q CTS Comp.*	5/8x3/4 or 3/4
4779YQ 1"x02	1" Q CTS Comp.*	5/8x3/4 or 3/4
4779YT 3/4"x01	3/4" T CTS Comp.*	5/8
4779YT 1"x01	1" T CTS Comp.*	5/8
4779YT 3/4"x02	3/4" T CTS Comp.*	5/8x3/4 or 3/4
4779YT 1"x02	1" T CTS Comp.*	5/8x3/4 or 3/4
4779YT 1"x04	1" T CTS Comp.*	1
4779YT 1 1/4"x04	1" T CTS Comp.*	1
4779Y-22 3/4"x01	3/4" 22 CTS Comp.*	5/8
4779Y-22 1"x01	1" 22 CTS Comp.*	5/8
4779Y-22 3/4"x02	3/4" 22 CTS Comp.*	5/8x3/4 or 3/4
4779Y-22 1"x02	1" 22 CTS Comp.*	5/8x3/4 or 3/4
4779Y-22 1"x04	1" 22 CTS Comp.*	1
4779Y-22 1 1/4"x04	1 1/4" 22 CTS Comp.*	1
4779Y-3Q 1"x01	1" 3Q PEP Comp.*	5/8
4779Y-3Q 1"x02	1" 3Q PEP Comp.*	5/8x3/4 or 3/4
4779Y-3Q 1"x04	1" 3Q PEP Comp.*	1
4779Y-33 3/4"x01	3/4" 33 PEP Comp.*	5/8
4779Y-33 1"x01	1" 33 PEP Comp.*	5/8
4779Y-33 3/4"x02	3/4" 33 PEP Comp.*	5/8x3/4 or 3/4
4779Y-33 1"x02	1" 33 PEP Comp.*	5/8x3/4 or 3/4
4779Y-33 1"x04	1" 33 PEP Comp.*	1
4779Y-44 3/4"x01	3/4" 44 PVC Comp.*	5/8
4779Y-44 1"x01	1" 44 PVC Comp.*	5/8
4779Y-44 3/4"x02	3/4" 44 PVC Comp.*	5/8x3/4 or 3/4
4779Y-44 1"x02	1" 44 PVC Comp.*	5/8x3/4 or 3/4
4779Y-44 1"x04	1" 44 PVC Comp.*	1
4779Y-55 3/4"x01	3/4" 55 IP Comp.	5/8
4779Y-55 1"x01	1" 55 IP Comp.	5/8
4779Y-55 3/4"x02	3/4" 55 IP Comp.	5/8x3/4 or 3/4
4779Y-55 1"x02	1" 55 IP Comp.	5/8x3/4 or 3/4
4779Y-55 1"x04	1" 55 IP Comp.	1

Coupling Size Description

SIZE means: $\frac{3}{4}$ x 01 — Meter Size
 01 = 5/8
 02 = 5/8x3/4 or 3/4
 04 = 1

End Connection

NOTE: Contact factory for couplings with

- dielectric bushings add "DB" to part # 4779FY 3/4" x 01 - 4779FDBY
- drain/test port add "V" to part # i.e. 4779Y 3/4" x 02 - 4779YV 3/4"x02

*Insert stiffeners are **required** on all flexible plastic connections.

Yoke Couplings

Straight



MODEL NO.	INLET / OUTLET	METER SIZE
4754Y 3/4"x01	3/4" FNPT	5/8
4754Y 3/4"x02	3/4" FNPT	5/8x3/4 or 3/4
4754Y 1"x04	1" FNPT	1
4753MY 3/4"x01	3/4" MNPT	5/8
4753MY 3/4"x02	3/4" MNPT	5/8x3/4 or 3/4
4753MY 1"x04	1" MNPT	1
4753Y 3/4"x01	3/4" Flare	5/8
4753Y 3/4"x02	3/4" Flare	5/8x3/4 or 3/4
4753Y 1"x04	1" Flare	1
4753YQ 3/4"x01	3/4" Q CTS Comp.*	5/8
4753YQ 3/4"x02	3/4" Q CTS Comp.*	5/8x3/4 or 3/4
4753Y-22 3/4"x01	3/4" 22 CTS Comp.*	5/8
4753Y-22 3/4"x02	3/4" 22 CTS Comp.*	5/8x3/4 or 3/4
4753Y-22 1"x04	1" 22 CTS Comp.*	1
4753YT 3/4"x01	3/4" TCTS Comp.*	5/8
4753YT 3/4"x02	3/4" T CTS Comp.*	5/8x3/4 or 3/4
4753YT 1"x04	1" T CTS Comp.*	1

NOTE: Contact factory for couplings with
 • dielectric bushings add "DB" to part # 4753MY 3/4" x 01 - 4753MDBY
 *Insert stiffeners are **required** on all flexible plastic connections.

■ Coupling Size Description

SIZE means: **3/4** x **01** → Meter Size
 01 = 5/8
 02 = 5/8x3/4 or 3/4
 04 = 1

End Connection

Connection that threads on to yoke thread to convert star nut connection to FNPT, Flare or CTS compression straight or 90° bend.



Straight Connection

90° Bend Connection

Straight Connection

90° Bend Connection

MODEL NO.	INLET / OUTLET	METER SIZE
14-154F 3/4"	3/4" FNPT	5/8, 5/8x3/4 or 3/4
14-154 3/4"	3/4" Flare	5/8, 5/8x3/4 or 3/4
14-154Q 3/4"	3/4" Q CTS Comp.*	5/8, 5/8x3/4 or 3/4
14-154T 3/4"	3/4" T CTS Comp.*	5/8, 5/8x3/4 or 3/4
14-154-22 3/4"	3/4" 22 CTS Comp.*	5/8, 5/8x3/4 or 3/4
14-179F 3/4"	3/4" FNPT	5/8, 5/8x3/4 or 3/4
14-179 3/4"	3/4" Flare	5/8, 5/8x3/4 or 3/4
14-179T 3/4"	3/4" T CTS Comp.*	5/8, 5/8x3/4 or 3/4
14-179-22 3/4"	3/4" 22 CTS Comp.*	5/8, 5/8x3/4 or 3/4
14-454F 1"	1" FNPT	1
14-454 1"	1" Flare	1
14-454Q 1"	1" Q CTS Comp.*	1
14-454T 1"	1" T CTS Comp.*	1
14-454-22 1"	1" 22 CTS Comp.*	1
14-479F 1"	1" FNPT	1
14-479 1"	1" Flare	1
14-479Q 1"	1" Q CTS Comp.*	1
14-479T 1"	1" F CTS Comp.*	1
14-479-22 1"	1" 22 CTS Comp.*	1

Available 2006

Angle and Inline Dual Check Valves

Angle • Series 02



02-3Y2 33



02-4YE 44

Single Check

MODEL	METER SIZE	OUTLET
02-3YE 23	5/8	3/4" FNPT
02-3YR 23	5/8	3/4" Flare
02-3YQ 23	5/8	3/4" "Q" CTS comp.
02-3YT 23	5/8	3/4" "T" CTS comp.
02-3Y2 23	5/8	3/4" "22" CTS comp.
02-3YE 33	5/8 x 3/4 or 3/4	3/4" FNPT
02-3YR 33	5/8 x 3/4 or 3/4	3/4" Flare
02-3YQ 33	5/8 x 3/4 or 3/4	3/4" "Q" CTS comp.
02-3YT 33	5/8 x 3/4 or 3/4	3/4" "T" CTS comp.
02-3Y2 33	5/8 x 3/4 or 3/4	3/4" "22" CTS comp.
02-4YE 44	1	1" FNPT

NOTE: Contact factory for valves with
 • test port add W to part # i.e. 02-3YE 23 - 02W3YE 23

Inline • Series 11



11-3YC 23



11-3YM 23



11-3YG 23



11-3YF 23

Dual Check

MODEL	INLET / METER SIZE	OUTLET
11-3YF 23	5/8	3/4" FNPT union
11-3YM 23	5/8	3/4" MNPT union
11-3YG 23	5/8	3/4" "T" CTS comp. union*
11-3YC 23	5/8	3/4" "22" CTS comp. union*
11-3YF 33	5/8x3/4 or 3/4	3/4" FNPT union
11-3YM 33	5/8x3/4 or 3/4	3/4" MNPT union
11-3YG 33	5/8x3/4 or 3/4	3/4" "T" CTS comp. union*
11-3YC 33	5/8x3/4 or 3/4	3/4" "22" CTS comp. union*
11-4YF 44	1	1" FNPT union

Inline Accessable Dual Check

MODEL	INLET / METER SIZE	OUTLET
111-3YE 23	5/8	3/4" FNPT
111-3YE 33	5/8 x 3/4 or 3/4	3/4" FNPT

Available late 2005



ASSE 1024 Designed

NOTE: Contact factory for valves with
 • test port add W to part # i.e. 111-3YE 23 - 111W3YE 23

*Insert stiffeners are **required** on all flexible plastic connections.

•See features in Inline and Angle Dual Check brochures.

Angle and Inline Dual Check Valves

Angle • Series 12



ASSE 1024 Designed

MODEL	METER SIZE	OUTLET
12-3YE 23	5/8	3/4" FNPT
12-3YR 23	5/8	3/4" Flare
12-3YQ 23	5/8	3/4" "Q" CTS comp.*
12-3YT 23	5/8	3/4" "T" CTS comp.*
12-3Y2 23	5/8	3/4" "22" CTS comp.*
12-3YZ 23	5/8	3/4" "3Q" PEP comp.*
12-3Y3 23	5/8	3/4" "33" PEP comp.*
12-3Y4 23	5/8	3/4" "44" PVC comp.*
12-3Y5 23	5/8	3/4" "55" IP comp.*
12-3YE 24	5/8	1" FNPT
12-4YR 24	5/8	1" Flare
12-3YQ 24	5/8	1" "Q" CTS comp.*
12-4YQ 24	5/8	1" "Q" CTS comp.*
12-3YT 24	5/8	1" "T" CTS comp.*
12-4YT 24	5/8	1" "T" CTS comp.*
12-3Y2 24	5/8	1" "22" CTS comp.*
12-4Y2 24	5/8	1" "22" CTS comp.*
12-3YE 33	5/8x3/4 or 3/4	3/4" FNPT
12-3YR 33	5/8x3/4 or 3/4	3/4" Flare
12-3YQ 33	5/8x3/4 or 3/4	3/4" "Q" CTS comp.*
12-3YT 33	5/8x3/4 or 3/4	3/4" "T" CTS comp.*
12-3Y2 33	5/8x3/4 or 3/4	3/4" "22" CTS comp.*
12-3YZ 33	5/8x3/4 or 3/4	3/4" "3Q" PEP comp.*
12-3Y3 33	5/8x3/4 or 3/4	3/4" "33" PEP comp.*
12-3Y4 33	5/8x3/4 or 3/4	3/4" "44" PVC comp.*
12-3Y5 33	5/8x3/4 or 3/4	3/4" "55" IP comp.*
12-3YE 34	5/8x3/4 or 3/4	1" FNPT
12-4YR 34	5/8x3/4 or 3/4	1" Flare
12-3YQ 34	5/8x3/4 or 3/4	1" "Q" CTS comp.*
12-4YQ 34	5/8x3/4 or 3/4	1" "Q" CTS comp.*
12-3YT 34	5/8x3/4 or 3/4	1" "T" CTS comp.*
12-4YT 34	5/8x3/4 or 3/4	1" "T" CTS comp.*
12-3Y2 34	5/8x3/4 or 3/4	1" "22" CTS comp.*
12-4Y2 34	5/8x3/4 or 3/4	1" "22" CTS comp.*
12-3YE 44	1	1" FNPT
12-4YE 44	1	1" FNPT
12-3YR 44	1	1" Flare
12-4YR 44	1	1" Flare
12-4YQ 44	1	1" "Q" CTS comp.*
12-3YT 44	1	1" "T" CTS comp.*
12-4YT 44	1	1" "T" CTS comp.*
12-3Y2 44	1	1" "22" CTS comp.*
12-4Y2 44	1	1" "22" CTS comp.*

▷ Designed for 5/8, 5/8x3/4 and 3/4 meter, with 1" checks

◆ Designed for 1 meter, with 3/4" checks

Horizontal / Vertical checks

Lower profile and lower flow loss than 112 series.

NOTE: Contact factory for valves with

• test port add W to part # i.e. 12-3YE 23 - 112W3YE 23

•See features in Inline and Angle Dual Check brochures.

*Insert stiffeners are **required** on all flexible plastic connections.

Angle and Inline Dual Check Valves

Angle • Series 112



ASSE 1024 Designed

Two vertical checks

MODEL	METER SIZE	OUTLET
112-3YE 23	5/8	3/4" FNPT
112-3YR 23	5/8	3/4" Flare
112-3YQ 23	5/8	3/4" "Q" CTS comp.*
112-3YT 23	5/8	3/4" "T" CTS comp.*
112-3Y2 23	5/8	3/4" "22" CTS comp.*
▷ 112-4YR 24	5/8	3/4" Flare
▷ 112-4YQ 24	5/8	3/4" "Q" CTS comp.*
▷ 112-4YT 24	5/8	3/4" "T" CTS comp.*
▷ 112-4Y2 24	5/8	3/4" "22" CTS comp.*
112-3YE 33	5/8x3/4 or 3/4	3/4" FNPT
112-3YR 33	5/8x3/4 or 3/4	3/4" Flare
112-3YQ 33	5/8x3/4 or 3/4	3/4" "Q" CTS comp.*
112-3YT 33	5/8x3/4 or 3/4	3/4" "T" CTS comp.*
112-3Y2 33	5/8x3/4 or 3/4	3/4" "22" CTS comp.*
▷ 112-4YR 34	5/8x3/4 or 3/4	1" Flare
▷ 112-3YQ 34	5/8x3/4 or 3/4	1" "Q" CTS comp.*
▷ 112-4YQ 34	5/8x3/4 or 3/4	1" "Q" CTS comp.*
112-3YT 34	5/8x3/4 or 3/4	1" "T" CTS comp.*
▷ 112-4YT 34	5/8x3/4 or 3/4	1" "T" CTS comp.*
112-3Y2 34	5/8x3/4 or 3/4	1" "22" CTS comp.*
▷ 112-4Y2 34	5/8x3/4 or 3/4	1" "22" CTS comp.*
◆ 112-3YE 44	1	1" FNPT
112-4YE 44	1	1" FNPT
112-4YR 44	1	1" Flare
112-4YQ 44	1	1" "Q" CTS comp.*
112-4YT 44	1	1" "T" CTS comp.*
112-4Y2 44	1	1" "22" CTS comp.*

▷ Designed for 5/8, 5/8x3/4 and 3/4 meter, with 1" checks

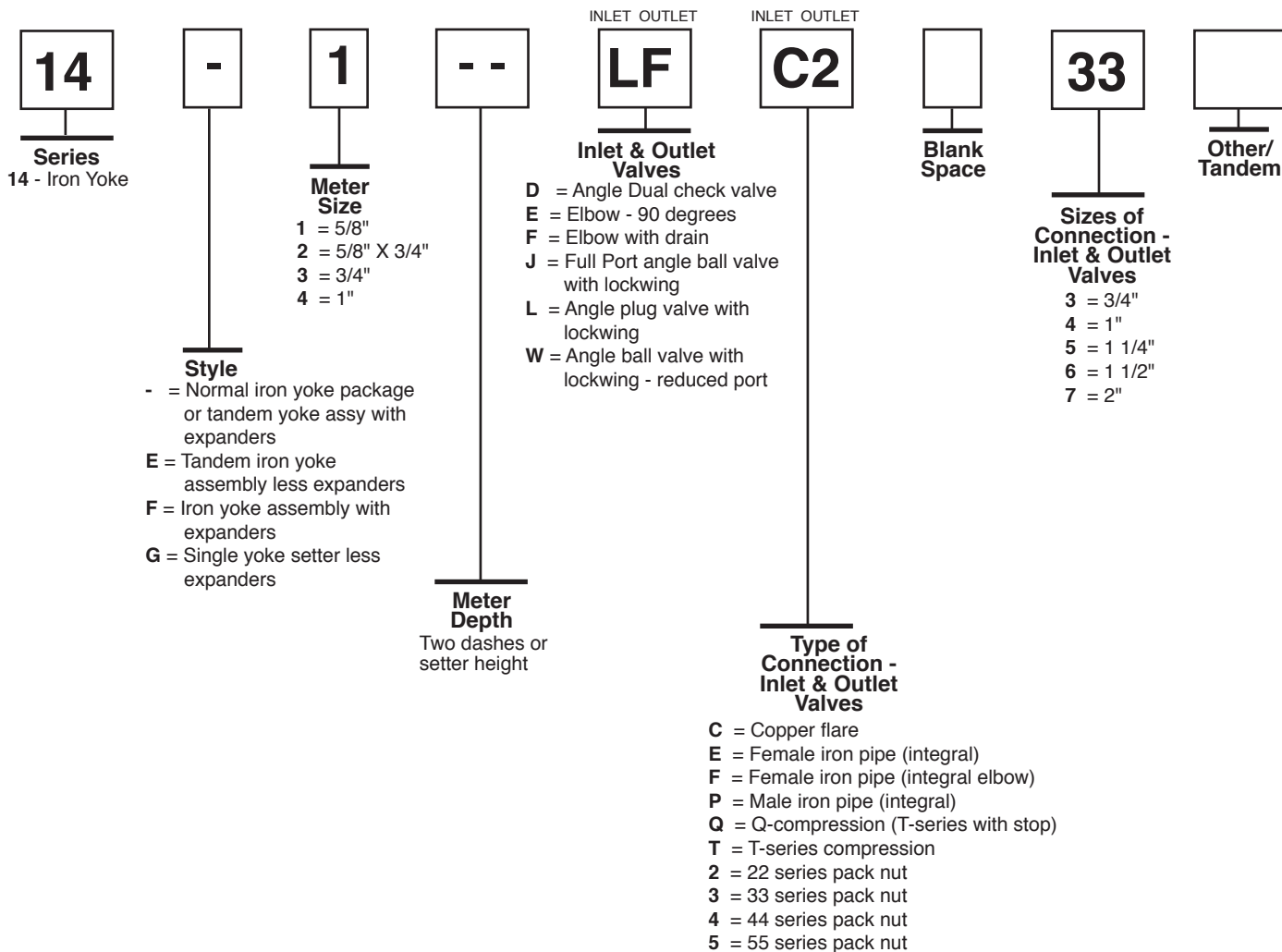
◆ Designed for 1 meter, with 3/4" checks

NOTE: Contact factory for valves with
 • test port add W to part # i.e. 112-3YE22 - 112W3YE 23

*Insert stiffeners are **required** on all flexible plastic connections.

•See features in Inline and Angle Dual Check brochures.

To order Iron Yoke Assemblies: Model No. **14-1--LFC2 33** means:



To order a Single Yoke Setting, for example.

Yoke Settings

Single Settings



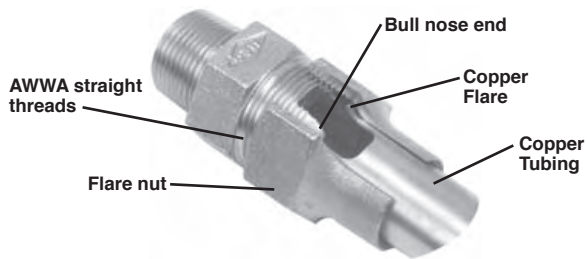
Dual Yoke Settings



Tandem Yoke Settings



■ Flare



A. Remove the flare nut from the valve or fitting and slip it onto the copper tubing.

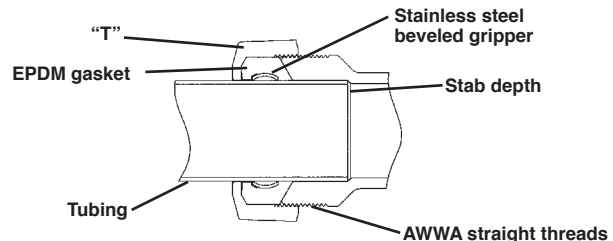
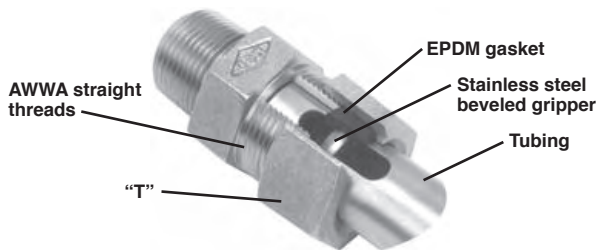
B. Flare the end of the copper tubing making sure the O.D. of the flare extends out to the threads in the flare nut.

C. Screw the flare nut with tubing back onto the matching bull nose end of the valve or fitting and securely wrench tighten.

D. The flared portion of the copper tubing acts as a watertight gasket and also is locked between the nut and coupling giving high pull-out resistance.

■ T and TA Compression

Copper tube, CTS PE ("T") is stabbed thru nut to stab depth. The "T" nut is tightened to the required torque, which compresses the EPDM gasket and stainless steel beveled gripper, which creates a water-tight seal and pull-out strength.



A. Insert tubing through the "T" compression nut and into the machined socket of the valve or fitting.*

B. Wrench tighten the "T" compression nut securely onto the valve or fitting. This will:

1. Provide a water-tight seal by compressing both edges of the EPDM gasket around the tubing and;
2. Compress the stainless steel beveled gripper providing high pull-out resistance.

NOTE: "T" Compression and Mac-Pak nuts have the same threads and are interchangeable.

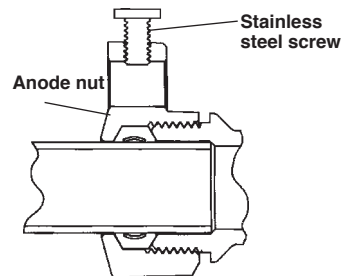
For the electrical anode nut feature add "A" to the Model No.: **4701TA**

Tighten to the following minimum torques:

Copper Tube and CTS-PE

"T" Compression*

3/4"50 ft-lbs
1"55 ft-lbs
1 1/4"65 ft-lbs
1 1/2"85 ft-lbs
2"100 ft-lbs

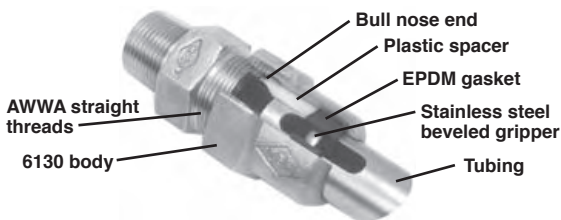


"TA" Anode

Compression Assembly

Copper tube is stabbed thru nut to stab depth. The "TA" nut is tightened to the required torque, which compresses the EPDM gasket and stainless steel beveled gripper, which creates a water-tight seal and pull-out strength. A copper wire that leads to a zinc anode is locked into the compression nut via the stainless steel screw.

■ 6130 Compression



The 6130 Compression Coupling converts any 3/4" or 1" flared joint into a tube size compression joint.

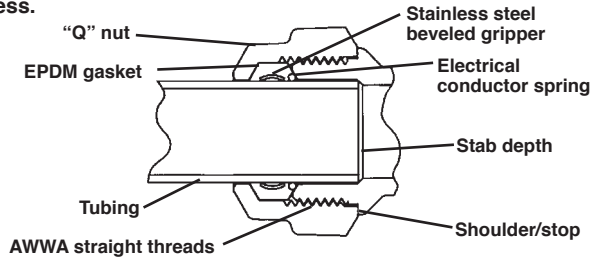
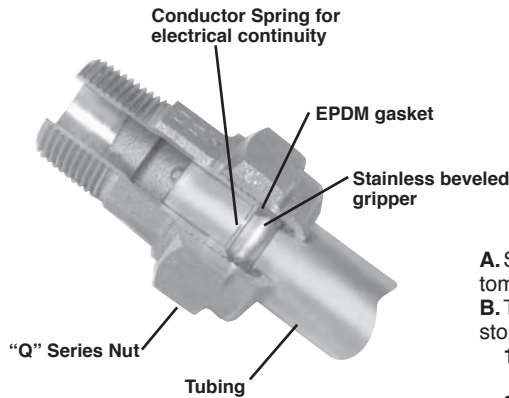
A. Remove the flare nut from the valve or fitting and replace with the 6130 Coupling.
B. Squarely cut the end of the copper or polyethylene tubing and insert it into the 6130 Coupling until the tubing bottoms out.*

C. Tighten the 6130 Coupling onto the valve or fitting fingertight, then wrench tighten 2-3 more complete turns.
DO NOT OVERTIGHTEN.

*Also acceptable for use with 250# PSI polybutylene tubing. **NOTE:** Materials meet or exceed A.W.W.A. standard C-800. Insert stiffeners are **required** on all flexible plastic connections. See page 5.

McQuik Compression - Q and 3Q Series

Copper tube, CTS PE(Q) or PEP(3Q) is stabbed through the nut to stab depth. The "Q" or "3Q" nut is tightened to the stop/shoulder on the body, which compresses the EPDM gasket and stainless steel beveled gripper, which creates a water-tight seal and pull-out strength. The electrical conductor spring makes positive contact between the copper tubing and the brass nut/fitting. When using with CTS PE, the electrical conductor spring becomes purposeless.



A. Stab tube* through the "Q" Series nut and into the socket of the valve or fitting until it bottoms out (three part unions may or may not have an internal stop).

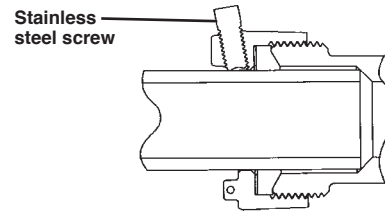
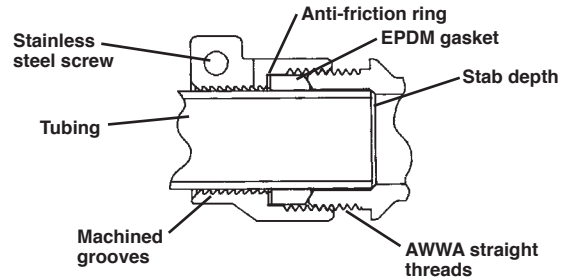
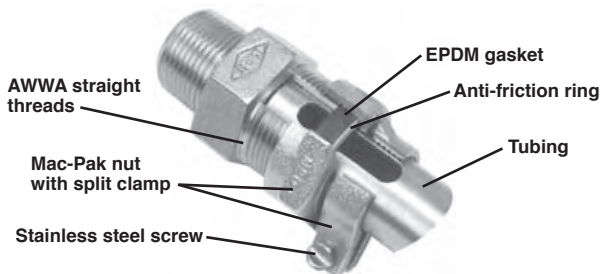
B. Tighten the McQuik "Q" Series nut to the stop. The end face of the nut is to contact the stop face of the body. This will:

1. Provide a water-tight seal by compressing both edges of the EPDM gasket around the tubing and;
2. Compress the stainless steel beveled gripper providing high pull-out resistance.

Mac-Pak Compression - 22, 33, 44, 55, 66, 67 and 68 Compression

Copper tube or CTS PE ("22"), PEP ("33"), PVC (-44), IP (-55), strong lead (-66), extra strong lead (-67) or double extra strong lead (-68) is stabbed thru nut to stab depth. The nut is tightened to the required torque, which compresses the EPDM gasket, which creates a water-tight seal. The stainless steel screw is tightened to the require torque, for pull-out strength.

Iron pipe (-55) is stabbed thru nut to stab depth. The nut is tightened to the required torque, which compresses the EPDM gasket, which creates a water-tight seal. The stainless steel screw or screws are tightened to the required torque, for pull-out strength.



A. Insert tubing or plastic pipe through the nut into the machined socket in the valve or fitting.*

B. Wrench tighten the Mac-Pak nut securely onto the valve or fitting compressing the EPDM seal around the pipe or tubing, creating a water-tight seal.

C. Secure the split clamp onto the pipe or tubing by tightening the stainless steel bolt on the side of the clamp. Machined grooves in the split clamp provide additional gripping and electrical continuity.

D. Mac-Pak couplings are coded as follows:
 22 SERIES - Tube size copper or P.E.* -- **CTS**
 33 SERIES - Pipe size P.E.* -- **IPS** or **PEP**
 44 SERIES - P.V.C. -- **PVC**
 55 SERIES - Steel pipe -- **IP**

66 SERIES - Strong lead pipe -- **S**
 67 SERIES - Extra strong lead pipe -- **XS**
 68 SERIES - Extra, extra strong lead pipe -- **XXS**

Tighten to the following minimum torques:

"22", "33", "44", "55" Compression

For nut:	1/2"..... 20 ft-lbs	1"..... 30 ft-lbs	1 1/2"..... 40 ft-lbs
(ft-lbs)	3/4"..... 25 ft-lbs	1 1/4"..... 35 ft-lbs	2"..... 45 ft-lbs

For clamp	1/2".... 70-80 in-lbs	1"..... 90-100 in-lbs	1 1/2" 160-180 in-lbs
side screw:	3/4".... 80-90 in-lbs	1 1/4" 120-140 in-lbs	2"..... 200-220 in-lbs

Lead Mac-Pak Comp. "66", "67", "68" Compression

For nut:	1/2"..... 25 ft-lbs	1"..... 40 ft-lbs	1 1/2"..... 50 ft-lbs
(ft-lbs)	5/8"..... 30 ft-lbs	1 1/4"..... 45 ft-lbs	2"..... 55 ft-lbs
	3/4"..... 35 ft-lbs		

For clamp	1/2".... 70-80 in-lbs	1"..... 90-100 in-lbs	1 1/2" 160-180 in-lbs
side screw:	5/8".... 75-85 in-lbs	1 1/4" 120-140 in-lbs	2"..... 160-180 in-lbs
(in-lbs)	3/4".... 80-90 in-lbs		

*Also acceptable for use with 250# PSI polybutylene tubing. **NOTE: Materials meet or exceed A.W.W.A. standard C-800.** Insert stiffeners are **required** on all flexible plastic connections. See page 5.

A. Y. M^oDONALD MFG. CO. • P.O. BOX 508 • DUBUQUE, IA 52004-0508 • USA • TOLL FREE 800-292-2737 • FAX 800-832-9296
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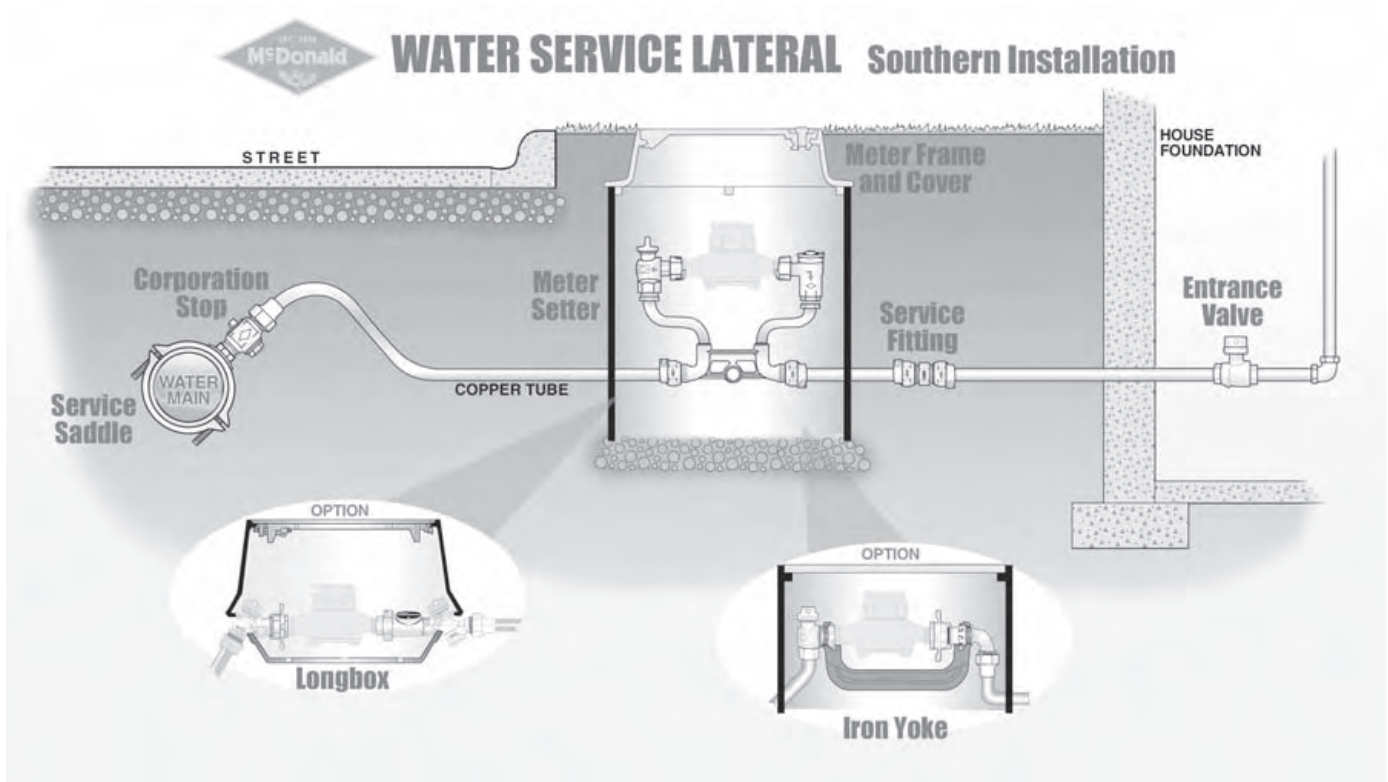
Types of Pipe/Tubing for use with A.Y. McDonald Fittings (Outside Diameters listed)

NOMINAL SIZE	TYPE K or L COPPER TUBE	POLYETHYLENE ASTM D2737 SDR 9 TUBE SIZE	PEX TUBING ASTM F876 SDR 9 CSA B137.5	POLYBUTYLENE ASTM D2666 SDR 9 TUBE SIZE CLASS 250	POLYBUTYLENE ASTM D2662 SDR 7 or POLYETHYLENE ASTM D2239 SDR 7 PIPE SIZE	PVC ASTM D1785	STEEL PIPE	POLYETHYLENE ASTM D3035 SDR 9 OD CONTROLLED PIPE SIZE	LEAD PIPE		
									STRONG S or A	EXTRA STRONG XS or AA	DOUBLE EXTRA STRONG XXS or AAA
1/2"	.622 .628	A .621 .629	A .621 .629	A .625 .633	B .79 .85	.836 .844	.836 .844	B 1.004 1.034	.783 .813	B .861 .891	.997 1.027
5/8"									1.067 1.097	1.122 1.152	—
3/4"	.872 .878	.871 .879	.871 .879	.875 .883	1.045 1.110 (1.089)	1.046 1.054	1.046 1.054	1.046 1.054	1.141 1.171	1.197 1.227	1.321 1.351
1"	1.121 1.129	1.120 1.130	1.120 1.130	1.125 1.135	1.329 1.399 (1.384)	1.310 1.320	1.310 1.320	1.310 1.320	1.413 1.443	1.477 1.507	1.581 1.611
1 1/4"	1.371 1.379	1.370 1.380	1.370 1.380	1.375 1.385	1.754 1.832 (1.804)	1.655 1.665	1.655 1.665	1.655 1.665	1 1/4" -44 1.655 1.685	1.750 1.780	1 1/2" -44 1.874 1.904
1 1/2"	1.621 1.630	1.619 1.631	1.619 1.631	1.625 1.637	2.050 2.141 (2.109)	1.894 1.906	1.894 1.906	1.894 1.906	1 1/2" -44 1.969 1.999	2.061 2.091	2" -22 2.257 2.287
2"	2.120 2.130	2.119 2.131	2.119 2.131	2.125 2.137	2.637 2.742 (2.709)	2.369 2.381	2.369 2.381	2.369 2.381	2" -44 2.488 2.518	2.736 2.766	2.993 B 3.023
Type of A.Y. Fitting	-22, Q or T C	-22*, Q* or T* C	-22*, Q* or T* C	-22*, Q* or T* C	-33* or 3Q* E	-44 D	-55 D	-44*	-66	-67	-68

Shaded areas indicate where lead pipe may have to be shaved to fit compression end shown.

- A • Need insert not available from A.Y. McDonald Mfg. Co.
- B • No fitting from A.Y. McDonald Mfg. Co. available.
- C • T and Q not available for 1/2" size.
- D • -Insert stiffener not required
- E • -3Q only available in 3/4" and 1" sizes.
- () • Maximum pipe O.D. that will work with A.Y. McDonald fittings.

*Insert Stiffeners required on all flexible plastic connections



■ Insert Stiffeners - Insert Stiffeners required on all flexible plastic connections

6131T • PLASTIC
For copper tube size polyethylene



Sizes: 3/4", 1"

6133T • STAINLESS STEEL
For copper tube size polyethylene



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

6136 • STAINLESS STEEL
For iron pipe size polyethylene



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

6137 • STAINLESS STEEL
For OD controlled PEP SDR9



Sizes: 2"



•Also acceptable for use with 250 PSI polybutylene tubing. ASTM D2666, SDR 9.