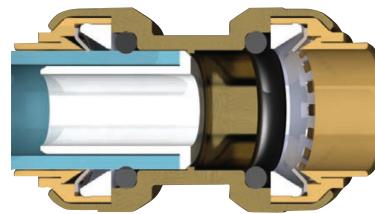


# SUBMITTAL DATA SHEET

## No-Lead Push-Fit Valves & Fittings



A.Y. McDonald Mfg. Co. No-Lead Push-Fit Valves & Fittings are designed for use on copper tubing, pex tubing, and CPVC pipe. Push-Fit fittings eliminate the need for soldering, crimping, or solvent welding and are designed for above ground indoor water applications. Push-Fit fittings comply with all applicable standards and are pressure rated at 200 PSIG from 0° to 200°F.

A.Y. McDonald Mfg. Co. Push-Fit Valves & Fittings are a 21st century design for connecting fittings and valves to Copper, CPVC or Pex pipe. No soldering, crimping, or solvent welding is necessary due to the special rubber O-ring and stainless steel gripper ring. The permanent connection is established in seconds and is capable of test pressures exceeding 500 psi. Push-Fit fittings are produced with low-lead forged brass and are ideal for use on plumbing, water, and hydronic heating systems. The sleek disconnect clip allows the Push-Fit design to disassemble as fast as you can say Push-Fit! Unlike other competitors that use multi-step disassembly procedures, the advanced Push-Fit design offers a quick solution to typical installation errors.

### - Typical applications:

Above ground plumbing, water systems and hydronic heating systems

### - Use with:

Pex tubing in accordance with ASTM F-876 and F-877

Copper tubing in accordance with ASTM B88

CPVC tubing in accordance with ASTM D2846/2846M-99

### - Material:

Body - Forged no-lead brass

O-Ring - EPDM Rubber

Gripper Ring - 316 Stainless Steel

Stiffener - Polysulfone

Plastic Parts - Acetal (POM)

### - Conformance:

Manufactured in Accordance to ANSI/ASSE 1061

CSA B137.5 Listed, Adapter threads to ANSI B1.20.1

Adapter solder ends to ANSI B16.18

### - Pressure and Temperature:

Push-Fit Fittings are pressure rated at 200 psig (13.8 bar) over a temperature range from 0°F to 200°F (-18°C to 93°C)

### - Quality Assurance:

The robust Push-Fit design has been tested and certified to meet ASSE 1061, ANSI / NSF 14, and ANSI / NSF 61 standards for materials and performance. All components are CNC machined, precision stamped, or injection molded to insure 100% conformance to design specifications. The end user may specify and install Push-Fit products with confidence.



## SUBMITTAL INFORMATION

- Fast installation requiring NO special tools.
- Secure, permanent connection with no soldering, crimping, or solvent welding.
- Wet repair of existing plumbing with no drying time required.
- Allows easy transition from one tubing type to another.
- 360° tubing rotation and easy pre-assembly installation.
- Full port fittings for usage on domestic hot and cold water systems.
- NO soldering, NO flux, NO flame, NO fire hazards.
- Manufacturing procedures and processes in accordance with ISO 9001.

**NO-LEAD:** The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



**A.Y. McDonald Mfg. Co.**  
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[www.aymcdonald.com](http://www.aymcdonald.com)

A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

**Submitted by:**

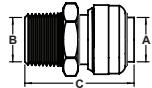
09-13

# SUBMITTAL DATA SHEET

## No-Lead Push-Fit Valves & Fittings

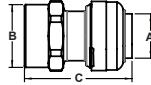


**72100M**  
Male Adapter



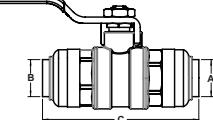
A	B	C
3/8"	1/2" MNPT	1.70
1/2"	1/2" MNPT	1.89
1/2"	3/4" MNPT	2.02
3/4"	3/4" MNPT	2.22
1"	3/4" MNPT	2.14
1"	1" MNPT	2.41

**72100F**  
Female Adapter



A	B	C
1/2"	1/2" MNPT	1.85
1/2"	3/4" MNPT	1.89
3/4"	3/4" MNPT	2.13
1"	1" MNPT	2.33

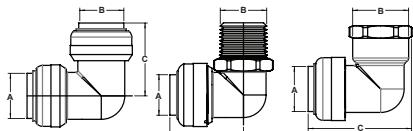
**72105**  
Ball Valve



A	B	C
1/2"	1/2"	2.76
3/4"	3/4"	3.47
1"	1"	4.13

**72100RC - Slip Repair Coupling**

A	B	C
1/2"	1/2"	4.45
3/4"	3/4"	4.45
1"	1"	4.45



**72190, 72190M, 72190F - Elbow**

Model #	A	B	C
72190	3/8"	3/8"	1.21
72190	1/2"	1/2"	1.38
72190	3/4"	1/2"	1.77
72190	3/4"	3/4"	1.95
72190	1"	3/4"	1.82
72190	1"	1"	2.22
72190M	1/2"	1/2" MNPT	1.76
72190F	1/2"	1/2" FNPT	2.42
72190F	3/4"	3/4" FNPT	2.25

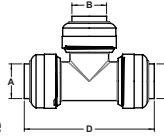
**2100RT**  
Disconnect Tool



**72103 - Test Cap**

A	B
3/8"	1.22
1/2"	1.22
3/4"	1.72
1"	2.08
3/8"	1.00
1/2"	1.00
3/4"	1.25
1"	1.25

**72130 - Tee**



A	B	C	D
3/8"	3/8"	3/8"	2.42
1/2"	1/2"	1/2"	2.83
3/4"	3/4"	3/4"	3.27
1"	1"	1"	4.11
1/2"	3/8"	1/2"	2.56
3/4"	1/2"	1/2"	3.33
3/4"	1/2"	3/4"	3.51
3/4"	3/4"	1/2"	3.13
1"	1"	3/4"	3.87

**72101Q - Drop Ear Elbow**

A	B	C
1/2"	1/2" FNPT	2.10

**2106BV - SS Water Heater Connector**

A	B	C
3/4"	3/4"	18"

**2106BV - SS Water Heater Connector**

A	B	C
1/2"	3/4"	12"
1/2"	3/4"	15"
1/2"	3/4"	18"
1/2"	3/4"	24"
3/4	3/4"	12"
3/4"	3/4"	15"
3/4"	3/4"	18"
3/4"	3/4"	24"

**72100 - Coupling**

A	B	C
3/8"	3/8"	1.80
1/2"	1/2"	1.94
3/4"	1/2"	2.33
3/4"	3/4"	2.30
1"	3/4"	2.73
1"	1"	2.65

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