

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

FULL PORT PRESS-TO-CONNECT BALL VALVE

P-200 Legend-Press™

Press-to-connect end connections are designed for installation onto ASTM B88 types K, L and M hard-drawn copper tubing. Coiled (annealed) soft copper tubing is not recommended, but can be used if ends are made round. See insertion depth chart below.

Deeper tubing sockets and dual O-rings at each press connection, provide extra stability during the pressing process as well as enhanced sealing.

Compatible with commercially-available VUS profile jaws

Oversized lever handle with pre-drilled tag hole is ideal for commercial applications

Sizes 1/2" to 1-1/4" Press x Press are also available with assembled extended T-handles and color-coded identification discs imprinted with the following: Red; "HOT" Blue; "COLD" and Purple; "RECLAIMED WATER" for insulated tubing applications.

Available in sizes; 1/2" to 4" in the Press x Press configuration, 1/2" to 2" in the MIP x Press, and FIP x Press configurations and 1/2" to 1-1/4" in the MIP Union x Press configuration.

Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP):
 1/2" and 3/4": 600 psi
 1" and 1-1/4": 500 psi
 1-1/2" and 2": 400 psi

Saturated steam (WSP): Not suitable for steam service

Maximum service temp: 230 ° F

MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATIONS
1 Ball	Chrome plated forged brass	ASTM B124 UNS C37700
2 Thrust washer	TFM PTFE	3M Dyneon*
3 Handle	Dacromet coated steel	ASTM A510 UNS G10060
4 End adapter	Forged brass	ASTM B124 UNS C37700
5 Seats (2)	TFM PTFE	3M Dyneon*
6 Handle nut	Dacromet coated steel with resin lock	ASTM A510 UNS G10060
7 Body	Forged brass	ASTM B124 UNS C37700
8 Stem	Chrome plated forged brass	ASTM B124 UNS C37700
9 Stem O-rings (2)	Fluoroelastomer	DuPont Viton**
10 Socket O-rings (4) [2 per Socket]	EPDM	Commercial grade
11 Anti-friction washer	TFM PTFE	3M Dyneon*

*Dyneon TFM is a registered trademark of the 3M Company.

**Viton is a registered trademark of DuPont

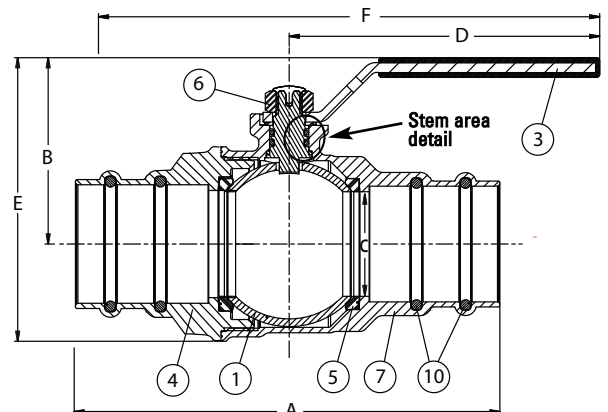
DIMENSIONS

Size	A	B	C	D	E	F
1/2"	3.90	1.43	0.59	3.04	2.05	5.00
3/4"	4.51	1.90	0.79	3.74	2.68	6.00
1"	4.77	2.06	1.00	3.74	3.01	6.13
1-1/4"	5.08	2.24	1.26	3.74	3.40	6.28
1-1/2"	5.83	2.77	1.58	5.38	4.15	8.30
2"	7.33	3.08	2.00	5.38	4.76	9.15

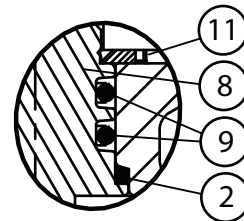


- NSF Certified to ANSI/NSF Standard 61-8 and Standard 61, Annex G
- Valve construction conforms to MSS SP-110; press-type end connections are currently excluded from this standard

- Threaded end connections conform to ANSI / ASME B1.20.1
- Manufactured in an ISO accredited facility



Legend-Press™
Cut-away view



Legend-Press™
Stem area detail

See P-200XL-C submittal for 2-1/2" to 4" sizes

Legend-Press™ Tubing Insertion Depth

Nominal Tubing Size:	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Insertion Depth: In.	1-3/8"	1-9/16"	1-9/16"	1-9/16"	1-3/4"	2-3/16"
MM	35	40	40	40	45	55

Note: These configurations are also available with assembled extended T-handle. The T-handle's width is 3.06" The overall height from the stem base to the top of the handle is 1.76" and the diameter is 1.28". At least 1.25" of insulation can be applied onto the valve's body and around the T-handle area without affecting the operation of the valve.