

For Press Piping Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series FBV-3-Press

2-Piece, Full Port, Brass Ball Valves with Integral Press Fitting End Connection

Designed for use in ProPress® Piping Systems

Sizes: ½" – 4" (15 - 100mm)

Features

- NSF/ANSI 61 Certified ½" – 2" (15 – 100mm)
- UL Listed
- Designed for types K, L, and M hard copper tubing ½" - 4" (15 - 100mm) and soft copper tubing ½" – 1¼" (15 - 32mm)
- Press end connections comply to ASTM-B88
- Press connection rated to 200psi CWP up to 210°F (13.4 bar to 99°C)
- Adjustable packing gland
- Bottom loaded, blowout proof stem with stem O-ring seal
- Conforms to: MSS SP-110*

Specification

Approved valve to be 2-piece, full port, forged body with chrome plated brass ball, PTFE seats, seal, and thrust washer. Certified to NSF/ANSI 61 for potable water applications. Approved valve must have adjustable packing and a stem O-ring seal. Valves with top loaded stems or valves without adjustable packings are not acceptable. Press fitting rated to 200psi CWP up to 210°F (13.4 bar to 99°C) and press ends must comply to ASTM-B88. Valve shall be a Watts Series FBV-3-Press.

Approvals



UL Listed

NSF/ANSI 61 Certified

ProPress® is a registered trademark of Viega



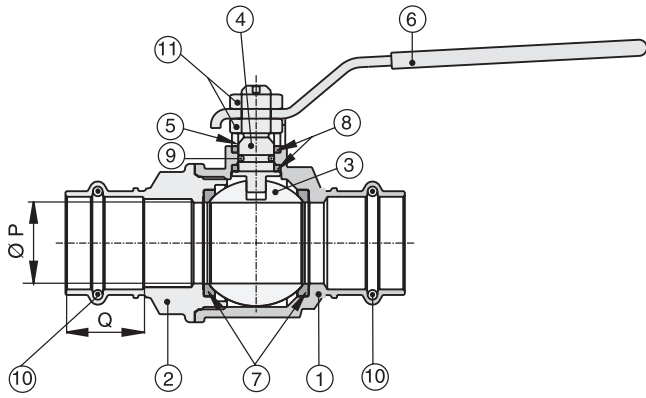
FBV-3-Press

*Watts FBV-3-Press ball valves are designed to meet MSS SP-110 with the exception of the press end connection. Ball Valves are down-rated from 600psi CWP to 200psi CWP to match the press connection rating. Press to connect ends are new technology not yet covered in the current edition of MSS SP-110 specification.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

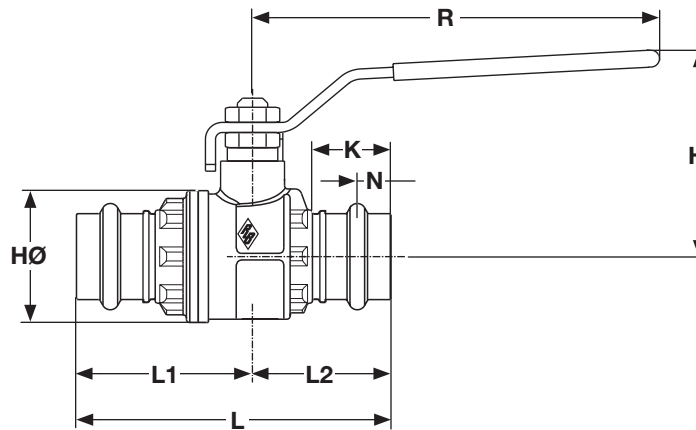
WATTS®

Materials



N POS	PART NAME	MATERIAL	N PCS
1	Body	Brass CW 602N	1
2	End Connection	Brass CW 602N	1
3	Ball	Brass CW 617M	1
4	Stem	Brass CW 614N	1
5	Packing Gland	Brass CW 614N	1
6	Handle	Steel DD11	1
7	Ball Seat	PTFE	2
8	Stem Seal/ Thrust Washer	PTFE	2
9	O-ring	NBR	2
10	O-ring	EPDM	2
11	Nut	Steel CL 04	2

Dimensions-Weights



SIZE (DN)		DIMENSIONS										WEIGHT											
in.	mm	Ø P	Q	K	N	H Ø	L	L1	L2	H	R	lbs.	kgs.										
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm										
1/2	15	9/16	15	11/16	18	11/16	17	5/16	8	1 5/16	33	3 1/8	80	11 1/16	43	1 7/8	48	3 7/8	98	0.5	0.2		
3/4	20	13/16	20	15/16	23	13/16	21	3/8	10	1 9/16	39	3 11/16	93	2 1/16	52	1 5/8	41	2 1/4	58	4 13/16	122	0.8	0.4
1	25	1	25	15/16	23	13/16	21	3/8	10	1 15/16	49	4 1/8	105	2 5/16	59	1 13/16	46	2 7/16	62	4 13/16	122	1.3	0.6
1 1/4	32	1 1/4	32	1	25	13/16	21	3/8	10	2 5/16	59	4 7/16	112	2 7/16	62	2	50	3 1/16	78	6	153	2.0	0.9
1 1/2	40	1 1/16	40	1 7/16	36	1	25	1/2	12	2 7/8	73	5 5/8	143	2 15/16	74	2 3/4	69	3 3/8	85	6	153	3.4	1.5
2	50	1 15/16	50	1 9/16	40	1 1/16	30	1	15	3 3/8	86	6 1/2	166	3 7/16	87	3 3/8	79	3 13/16	97	6 3/8	162	4.5	2.0
2 1/2 XL	65	2 3/8	61	2 3/16	55	1 9/16	40	1 1/16	27	4 3/8	111	8 5/16	212	4 7/16	113	3 7/8	99	5 1/16	129	8 1/16	205	10.9	4.9
3 XL	80	2 7/8	73	2 3/16	55	1 9/16	40	1 1/16	27	5 3/8	136	9 1/16	230	4 13/16	122	4 1/4	108	5 1/2	140	8 1/16	205	15.6	7.0
4 XL	100	3 13/16	97	2 9/16	65	1 9/16	40	1 1/16	27	6 9/16	166	10 5/8	270	5 1/2	140	5 1/8	130	6 5/16	160	10 1/4	260	24.5	11.1

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