

2-Piece, Full Port, Brass Ball Valves (FBV-3C)

The FBV-3C is mainly used to cut off or connect medium in the pipe and can also be used for flow adjustment and control.



◆ Application and Features:

Applications:

Building services, municipal waterworks and light industrial...

Product Features:

1. Certified to NSF/ANSI standard 61/8.
2. CSA approved threaded valves only 1/4" - 3" (15-80mm).
3. UL/FM approved threaded valves 1/2"-2" (15-50mm).
4. Fluorocarbon elastomer stem O-ring prevents stem leaks.
5. Adjustable stem packing gland.
6. PTFE stem packing seal, thrust washer, and seats .
7. Bottom loaded blowout proof stem .
8. Machined chrome plated brass ball.
9. Valves comply to MSS-SP-110 standard.

◆ Working Principles:

Use the lever to drive the stem to rotate and the stem drives the ball to open and close within 0°~90°.

◆ Installation Dimensions:

Connection Dimension: ANSI B1.20.1

◆ Technical Parameters:

Nominal Diameter: 1/4"~4"

Pressure Ratings:

1/4"~2" (8-50mm) 600psi (41bar) WOG, non-shock;
150psi (10.3bar) WSP

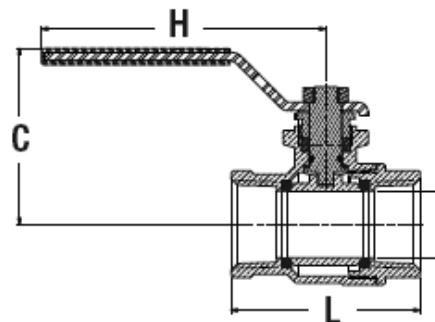
2-1/2"~4" (65-100mm) 400psi (27.5bar) WOG, non-shock;
125psi (8.6bar) WSP

Temperature Range: -40°C ~204°C

Test Standard: API-598

◆ Component Material:

Body	Adapter	Stem	Ball	Handle Assembly	Seat
Forged Brass	Forged Brass	Machined Brass	Chrome plated brass	Zinc plated carbon steel with vinyl insulator	Virgin PTFE



SIZE (DN)		DIMENSIONS								WEIGHT	
in.	mm	C		H		I		L		lbs.	kg.
		in.	mm	in.	mm	in.	mm	in.	mm		
1/4	8	1 13/16	46	3 7/16	87	1/2	12.9	1 3/4	45	0.4	0.2
3/8	10	1 13/16	46	3 7/16	87	1/2	12.9	1 3/4	45	0.4	0.2
1/2	15	1 13/16	46	3 7/16	87	1/2	12.9	1 15/16	50	0.4	0.2
3/4	20	2 1/4	57	4	101	3/4	19.2	2 5/16	59	0.8	0.3
1	25	2 5/8	67	4 1/4	108	1	25.5	2 13/16	72	1.2	0.5
1 1/4	32	2 13/16	71	4 1/4	108	1 1/4	31.9	3 3/16	81	1.8	0.8
1 1/2	40	3 3/16	80	5 1/4	134	1 1/4	38.0	3 1/2	88	2.6	1.2
2	50	3 1/2	89	6	153	2	50.9	4 1/8	105	3.7	1.7
2 1/2	65	4 1/16	104	7 3/8	187	2 1/2	63.6	5 5/16	134	7.1	3.2
3	80	4 1/2	114	7 3/4	197	3	76.3	6 1/16	154	11.3	4.7
4	100	5 3/8	136	9 5/8	245	4	101.6	7 7/16	189	17.7	8.0