77-100 Series
Bronze Full Port Ball Valve

Threaded, 600 psig WOG, Cold Non-Shock. 150 psig Saturated Steam. (See referenced P/T chart)
Vacuum Service to 29 inches Hg.
MSS SP-110; Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES
• Chromium plated ball
• RPTFE seats and stuffing box ring
• Mounting pad for easy actuator mounting
• Blow-out-proof stem design
• Adjustable packing gland
• Full port for full flow & min. pressure drop

STANDARD MATERIAL LIST
1. Lever and grip Steel, zinc plated w/vinyl
2. Stem packing RPTFE
3. Stem bearing RPTFE
4. Ball B16, chrome plated
5. Seat (2) RPTFE
6. Retainer B16
7. Gland nut B16
8. Stem B16
9. Lever nut Steel, zinc plated
10. Body seal PTFE (1-1/4" to 2-1/2")
11. Body B584-C84400

VARIATIONS AVAILABLE:
77-140 Series (316 SS Ball & Stem)
77-150 Series (Original Balancing Stop)
77-190 Series (Locked Retainer)

OPTIONS AVAILABLE:
(SUFFIX) OPTION SIZES
-02- Stem Grounded 1/4" to 2-1/2"
-03- 1-1/4" CS Stem Extension 1/4" to 2-1/2"
-04- 2-1/4" CS Stem Extension 1/4" to 2-1/2"
-05- Plain Ball 1/4" to 2-1/2"
-07- Steel Tee Handle 1/4" to 1-1/4"
-08- 90° Reversed Stem 1/4" to 2-1/2"
-10- SS Lever & Nut 1/4" to 2-1/2"
-14- Side Vented Ball (Uni-Directional) 1/4" to 2-1/2"
-15- Wheel Handle, Steel 1/4" to 1-1/4"
-16- Chain Lever - Vertical 3/4" to 2-1/2"
-17- Rough Chrome Plated - Bronze Valves 1/4" to 2-1/2"
-18- Plain Yellow Grip 1/4" to 2-1/2"
-20- SS Tee Handle & Nut 1/4" to 2-1/2"
-21- UHMWPE Trim (Non-PTFE) 1/4" to 2-1/2"
-24- Graphite Packing 1/4" to 2-1/2"
-27- SS Latch-Lock Lever & Nut 1/4" to 2-1/2"
-28- Mounting Pad Not Drilled & Tapped 1/4" to 2-1/2"
-30- Cam-Lock and Grounded 1/4" to 1-1/4"
-32- SS Tee Handle & Nut 1/4" to 1-1/4"
-35- VTFE Trim 1/4" to 2-1/2"
-36- SS High-Rise Round Handle & Nut 1/4" to 1-1/4"
-40- Less Lever & Nut 1/4" to 2-1/2"
-46- Lock Lever - Lock in Closed Position Only 1/4" to 2-1/2"
-47- SS Oval Latch-Lock Handle & Nut 1/4" to 2-1/2"
-48- SS Oval Handle (No Latch) & Nut 1/4" to 2-2"
-49- Assembled Dry 1/4" to 2-1/2"
-50- 2-1/4" CS Locking Stem Extension 1/4" to 2-1/2"
-56- Multifill Seats & Packing 1/4" to 2-1/2"
-57- Oxygen Cleaned 1/4" to 2-1/2"
-58- Chair Lever - Horizontal 3/4" to 2-1/2"
-60- Static Grounded Ball & Stem 1/4" to 2-1/2"
-63- NPT x solder/Socket Weld 1/4" to 2-1/2"
-64- 250# Steam Trim 1/4" to 2-1/2"
-P01- BSPP (Parallel) Thread Connection 1/4" to 2-1/2"
-T01- BSPT (Tapered) Thread Connection 1/4" to 2-1/2"

For Pressure/Temperature Ratings, Refer to Page M-8, Graph No. 4