

# 70-100 SERIES

## Bronze Ball Valve

Female NPT Thread, 600 CWP (psig), Cold Non-Shock. 150 psig Saturated Steam. (See referenced P/T charts)  
Vacuum Service to 29 inches Hg.  
MSS SP-110 compliant.

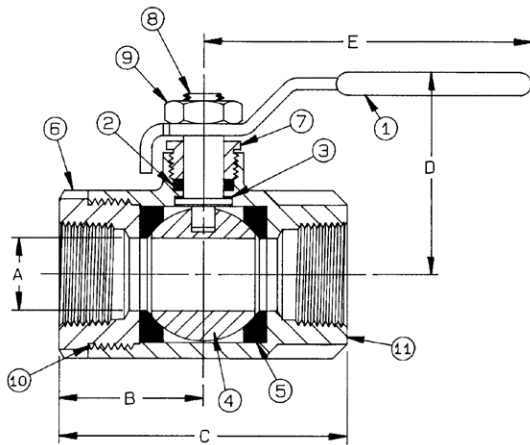


### FEATURES

- Two-piece body
- Reinforced seats
- Blow-out-proof stem design
- Adjustable packing gland

### VARIATIONS AVAILABLE:

- 70-140 Series (316 SS Ball & Stem)  
70-190 Series (Locked Retainer)



### STANDARD MATERIAL LIST

|    | PART           | MATERIAL                                      |
|----|----------------|-----------------------------------------------|
| 1  | Lever and grip | Steel, zinc plated w/vinyl                    |
| 2  | Stem packing   | MPTFE                                         |
| 3  | Stem bearing   | RPTFE                                         |
| 4  | Ball           | B16, chrome plated                            |
| 5  | Seat (2)       | RPTFE (1/4" to 3"); TFM (4")                  |
| 6  | Retainer       | B16 (1/4" to 1")<br>B584-C84400 (1.25" to 4") |
| 7  | Gland nut      | B16                                           |
| 8  | Stem           | B16                                           |
| 9  | Lever nut      | Steel, zinc plated                            |
| 10 | Body seal      | PTFE (1.25" to 4")                            |
| 11 | Body           | B584-C84400                                   |

| PRODUCT NUMBER | SIZE  | A    | B    | C    | D    | E    | WT.   |
|----------------|-------|------|------|------|------|------|-------|
| 70-101-01      | 1/4"  | 0.37 | 1.03 | 2.06 | 1.75 | 3.87 | 0.60  |
| 70-102-01      | 3/8"  | 0.37 | 1.03 | 2.06 | 1.75 | 3.87 | 0.56  |
| 70-103-01      | 1/2"  | 0.50 | 1.12 | 2.25 | 1.75 | 3.87 | 0.63  |
| 70-104-01      | 3/4"  | 0.68 | 1.50 | 3.00 | 2.12 | 4.87 | 1.39  |
| 70-105-01      | 1"    | 0.87 | 1.68 | 3.37 | 2.25 | 4.87 | 1.72  |
| 70-106-01      | 1.25" | 1.00 | 2.00 | 4.00 | 2.62 | 5.50 | 3.26  |
| 70-107-01      | 1.5"  | 1.25 | 2.18 | 4.37 | 3.06 | 8.00 | 4.61  |
| 70-108-01      | 2"    | 1.50 | 2.34 | 4.68 | 3.25 | 8.00 | 6.06  |
| 70-109-01A     | 2.5"  | 2.00 | 3.12 | 6.25 | 3.72 | 8.00 | 17.25 |
| 70-100-01      | 3"    | 2.50 | 3.37 | 6.75 | 4.12 | 8.00 | 18.60 |
| 70-10A-01      | 4"    | 3.12 | 3.69 | 7.37 | 5.25 | 9.94 | 25.50 |

### OPTIONS AVAILABLE: (More information in Section J)

| (SUFFIX) | OPTION                                          | SIZES      |
|----------|-------------------------------------------------|------------|
| -01      | Standard Configuration                          | All        |
| -P -01-  | BSPP (Parallel) Thread Connection               | 1/4" to 3" |
| -T -01-  | BSPT (Tapered) Thread Connection                | 1/4" to 3" |
| -02-     | Stem Grounded                                   | 1/4" to 4" |
| -04-     | 2.25" CS Stem Extension                         | 1/4" to 3" |
| -05-     | Plain Ball                                      | 1/4" to 3" |
| -07-     | Steel Tee Handle                                | 1/4" to 2" |
| -08-     | 90° Reversed Stem                               | 1/4" to 3" |
| -10-     | SS Lever & Nut                                  | 1/4" to 3" |
| -11-     | Therma-Seal™ Insulating Tee Handle              | 1/4" to 2" |
| -14-     | Side Vented Ball (Uni-Directional)              | 1/4" to 4" |
| -15-     | Wheel Handle, Steel                             | 1/4" to 2" |
| -16-     | Chain Lever - Vertical                          | 3/4" to 2" |
| -17-     | Rough Chrome Plated - Bronze Valves             | 1/4" to 3" |
| -21      | UHMWPE Trim (Non-PTFE)                          | 1/4" to 3" |
| -24-     | Graphite Packing                                | 1/4" to 3" |
| -27-     | SS Latch-Lock Lever & Nut                       | 1/4" to 3" |
| -30-     | Cam-Lock and Grounded                           | 1/4" to 2" |
| -32-     | SS Tee Handle & Nut                             | 1/4" to 2" |
| -35-     | PTFE Trim                                       | 1/4" to 3" |
| -36-     | SS Hi-Rise Round Handle, SS Nut                 | 1/4" to 2" |
| -39-     | SS Hi-Rise Locking Wheel Handle, SS Nut         | 1/4" to 2" |
| -40-     | Cyl-Loc and Grounded                            | 1/4" to 2" |
| -41-     | Automatic Drain (Bronze Valves Only)            | 1/4" to 2" |
| -45-     | Less Lever & Nut                                | 1/4" to 3" |
| -46-     | Latch Lock Lever - Lock in Closed Position Only | 1/4" to 3" |
| -47-     | SS Oval Latch-Lock Handle & Nut                 | 1/4" to 2" |
| -48-     | SS Oval Handle (No Latch) & Nut                 | 1/4" to 2" |
| -49-     | Assembled Dry                                   | 1/4" to 4" |
| -50-     | 2.25" CS Locking Stem Extension                 | 1/4" to 3" |
| -56-     | Multifill Seats & Packing                       | 1/4" to 3" |
| -57-     | Oxygen Cleaned                                  | 1/4" to 4" |
| -58-     | Chain Lever - Horizontal                        | 3/4" to 2" |
| -60-     | Static Grounded Ball & Stem                     | 1/4" to 3" |
| -63-     | NPT x Solder/Socket Weld                        | 3/8" to 4" |
| -64-     | 250# Steam Trim                                 | 1/4" to 3" |
| -92-     | Balancing Stop                                  | 1/4" to 3" |
| -94-     | 2.25" Stem Extension, Balancing Stop            | 1/4" to 3" |
| -HC-     | Hose Cap & Chain                                | 1/2" to 1" |

FOR PRESSURE/TEMPERATURE RATINGS, REFER TO PAGE M-10, GRAPH NO. 4

