

## BRONZE BALL VALVE

### SPECIFICATION

MSS SP-110  
SCREWED BODY CAP • FULL BORE  
BLOW-OUT PROOF STEM • PTFE SEAT  
THREADED TO BS 21 (ISO 7) / ASME B1.20.1 OR NPT

### PRESSURE RATINGS

|                     |  |
|---------------------|--|
| Working Pressure    | 42 bar C.W.P<br>10.3 bar @ 186°C   |
| Testing Pressure    | Shell: 62 bar Hydrostatic<br>Seat: 45.5 bar Hydrostatic<br>80psi (5.5 bar) Air |
| Working Temperature | -10°C ~ 180°C  |
| Suitable Media      | Water & Oil  |

### MATERIALS

| Part   | Material          | ASTM   |
|--------|-------------------|--------|
| Body   | Bronze (Gunmetal) | C83600 |
| Cap    | Bronze (Gunmetal) | C83600 |
| Ball   | Brass             | C37700 |
| Seat   | PTFE              |        |
| Stem   | Brass             | C37700 |
| Seal   | PTFE              |        |
| Gland  | Brass             | C36000 |
| Handle | Steel             |        |

### DIMENSIONS

| Size |       | L     |      | H    |      | D     |      |
|------|-------|-------|------|------|------|-------|------|
| mm   | inch  | mm    | Inch | mm   | inch | mm    | inch |
| 10   | 3/8   | 45.8  | 1.8  | 49.0 | 1.9  | 87.0  | 3.4  |
| 15   | 1/2   | 54.4  | 2.1  | 49.0 | 1.9  | 96.0  | 3.8  |
| 20   | 3/4   | 62.8  | 2.5  | 53.0 | 2.1  | 96.0  | 3.8  |
| 25   | 1     | 77.0  | 3.0  | 66.5 | 2.6  | 127.0 | 5.0  |
| 32   | 1-1/4 | 85.6  | 3.4  | 72.5 | 2.9  | 127.0 | 5.0  |
| 40   | 1-1/2 | 94.1  | 3.7  | 79.0 | 3.1  | 142.0 | 5.6  |
| 50   | 2     | 110.8 | 4.4  | 88.5 | 3.5  | 165.0 | 6.5  |

Note:

- Design and specifications are subject to change without prior notice.

**GBV**

**Type 600**

