# 35 SERIES

# ½"-2"

MSS SP-110

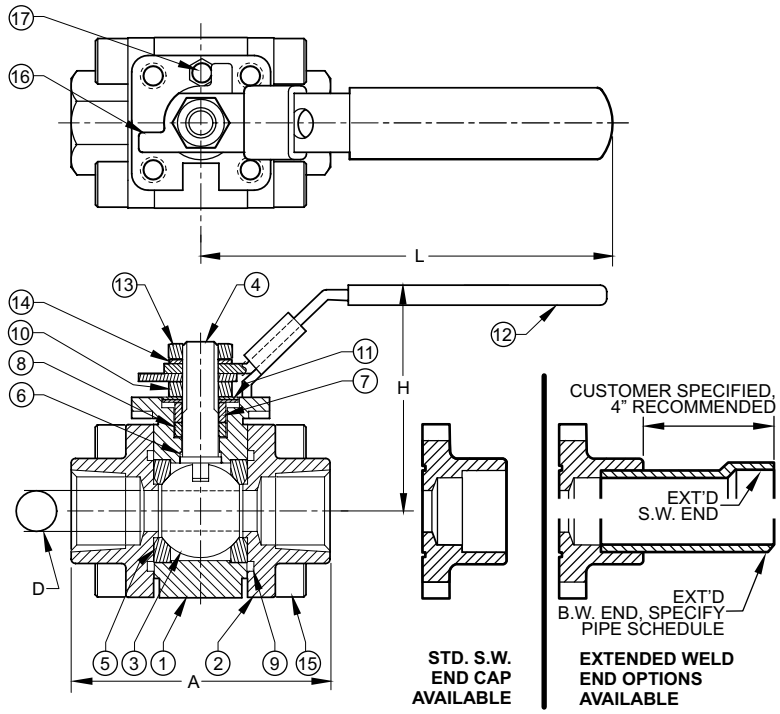
**3PC., ENCLOSED BOLT, SCREWED or SOCKET WELD END, STANDARD PORT BALL VALVE API-607 FIRE SAFE 4th Ed.**

- Sizes 1/2"-2"
- Pressure Rating 2000 WOG / 150 WSP
- Temperature Range -20 to 450°F.
- Body Material WCB or CF8M. All body and tailpiece materials meet ***ASTM*** specifications.
- RPTFE Seats Standard.
- Three Piece Construction
- Valves are ***API 607 Fire-Safe*** and include graphite stem-packing.
- All valves are tested in accordance with latest ***ASME B16.34 specifications***.
- Blow-out Proof Stem
- Low Torque Seats
- Standard Locking Handle, Oval Available

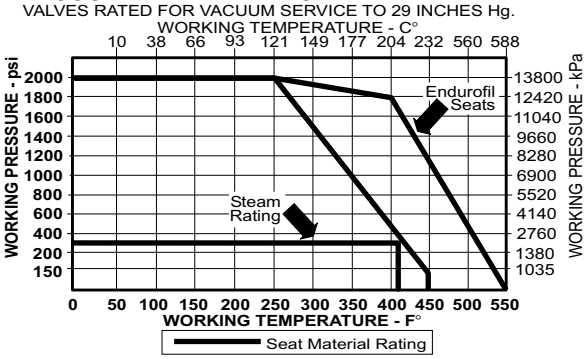
## MATERIALS LIST

| ITEM | PART | 35CSOR-02-LL | 35SSOR-02-LL |
|---|---|---|---|
| 1 | Body | Carbon Steel A 216 WCB | Stainless Steel A 351 CF8M |
| 2 | End Cap | Carbon Steel A 216 WCB | Stainless Steel A 351 CF8M * |
| 3 | Ball | Stainless Steel A351 CF8M or 316 SS | |
| 4 | Stem | Stainless Steel 316 SS | |
| 5 | Seat | RTFE (Other Seat Materials Available, Contact Factory) | |
| 6 | Thrust Washer | | |
| 7 | Gland | Carbon Steel ANSI 1045 | Stainless Steel 316 SS |
| 8 | Stem Packing | Graphoil | |
| 9 | Body Seal | | |
| 10 | Gland Nut | Stainless Steel 316 SS | |
| 11 | Bellville Washer | Stainless Steel 304 SS | |
| 12 | Handle | | |
| 13 | Handle Nut | | |
| 14 | Lock Washer | | |
| 15 | Bolt | Carbon Steel A 193 B7 | Stainless Steel A 193 B8 |
| 16 | Stop Plate | Stainless Steel | |
| 17 | Stop Pin | | |

* CF3M for Socket Weld




## PRESSURE - TEMPERATURE DATA




## DIMENSIONS

| | UNITS | 1/2" DN15 | 3/4" DN20 | 1" DN25 | 1-1/4" DN32 | 1-1/2" DN40 | 2" DN50 |
|---|---|---|---|---|---|---|---|
| A | INCHES | 2.72 | 2.90 | 3.50 | 3.90 | 4.42 | 5.04 |
| | mm | 69.1 | 73.7 | 88.9 | 99.1 | 112.3 | 128.0 |
| H | INCHES | 2.06 | 2.61 | 3.16 | 3.41 | 3.80 | 4.02 |
| | mm | 52.3 | 66.3 | 80.3 | 86.6 | 96.5 | 102.1 |
| L | INCHES | 4.21 | 4.21 | 5.00 | 6.02 | 7.80 | 7.80 |
| | mm | 106.9 | 106.9 | 127.0 | 152.9 | 198.1 | 198.1 |
| D | INCHES | 0.43 | 0.57 | 0.81 | 0.98 | 1.25 | 1.50 |
| | mm | 10.9 | 14.5 | 20.6 | 24.9 | 31.8 | 38.1 |
| T | THREAD SIZE | 1/2" NPT | 3/4" NPT | 1" NPT | 1-1/4" NPT | 1-1/2" NPT | 2" NPT |
| Cv | | 5 | 9 | 14 | 22 | 50 | 81 |

**Note:** **DN** (Diameter Nominal) = Metric equivalent size.

The information presented on this sheet is correct at the time of publication. Milwaukee Valve reserves the right to change design, and/or material specifications without notice. For the most current information access *www.milwaukeevalve.com* .