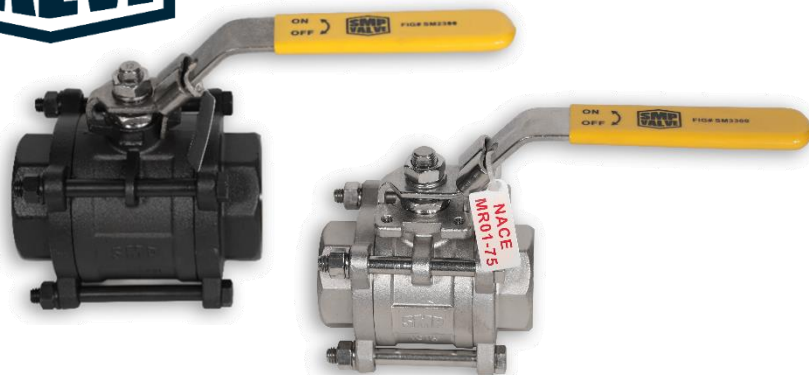




## 3-PC. SCREWED END BALL VALVE

# SM2300CTG/SM3300STG



## FEATURES

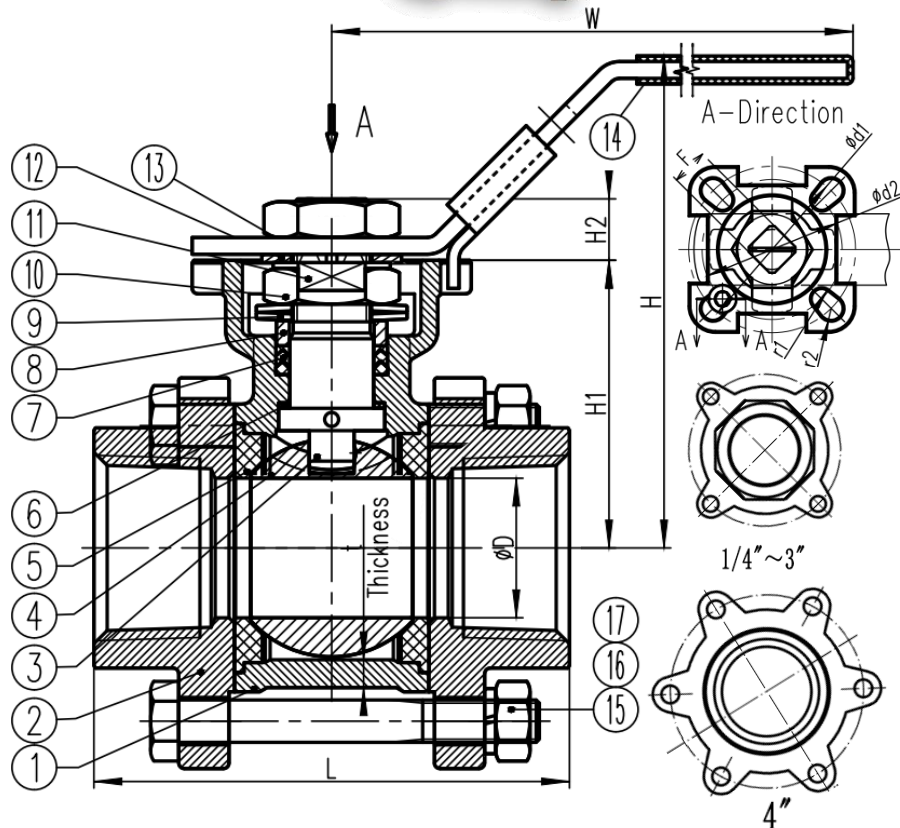
- Full Port 1/4" through 4"
- 1000 WOG (1/4" - 2"), 800 WOG (2 1/2" - 4")
- Working Temperature -4° F through 392°F
- Blow-out Proof Stem
- Locking Device
- Mounting Pad
- SM2300CT: A216-WCB • SM3300ST: A351-CF8M

## SPECIFICATIONS

- Thread Ends Conform to ASME/ANSI B1.20.1 (NPT)
- API-598 Pressure tested
- NACE MR-0175 STANDARD

## Materials of Construction

| Item | Part           | Material Spec |                |
|------|----------------|---------------|----------------|
| 1    | BODY           | ASTM A216 WCB | ASTM A351 CF8M |
| 2    | CAP            |               |                |
| 3    | STEM           | A276-316      |                |
| 4    | BALL           | A182-F316     |                |
| 5    | SEAT           | PTFE+15%GF    |                |
| 6    | GASKET         | PTFE          |                |
| 7    | STEM PACKING   | PTFE          |                |
| 8    | PACKING GLAND  | A182-304      |                |
| 9    | SPRING WASHER  | A240-301      |                |
| 10   | NUT            | 304           |                |
| 11   | LOCKING WASHER | A240-304      |                |
| 12   | WASHER         | A240-304      |                |
| 13   | HANDLE         | A240-304      |                |
| 14   | HANDLE SLEEVE  | PVC           |                |
| 15   | NUT            | A2-70         |                |
| 16   | BOLT           | A2-70         |                |
| 17   | SPRING WASHER  | A276-304      |                |
| 18   | SCREW          | A2-70         |                |



## Dimensions (Inches)

| NPS    | L    | D    | W     | H    | H1   | H2   | F    | t    | d1   | d2   | r1   | r2   | ISO     | Torque (in-lb) | Cv   | Weight (lb) |
|--------|------|------|-------|------|------|------|------|------|------|------|------|------|---------|----------------|------|-------------|
| 1/4"   | 2.52 | 0.43 | 4.40  | 2.51 | 1.63 | 0.33 | 0.35 | 0.16 | 1.41 | 1.65 | 0.12 | 0.12 | F03/F04 | 35             | 10   | 0.62        |
| 3/8"   | 2.52 | 0.49 | 4.40  | 2.51 | 1.63 | 0.33 | 0.35 | 0.16 |      |      |      |      |         | 44             | 10   | 1.21        |
| 1/2"   | 2.83 | 0.59 | 5.55  | 2.95 | 1.59 | 0.35 | 0.35 | 0.16 |      |      |      |      |         | 71             | 12   | 1.53        |
| 3/4"   | 3.15 | 0.78 | 5.55  | 3.03 | 1.69 | 0.35 | 0.35 | 0.17 |      |      |      |      |         | 71             | 35   | 1.91        |
| 1"     | 3.34 | 0.98 | 6.38  | 3.54 | 2.02 | 0.43 | 0.43 | 0.19 | 1.65 | 1.97 | 0.12 | 0.13 | F04/F05 | 133            | 60   | 2.84        |
| 1-1/4" | 4.13 | 1.26 | 6.38  | 3.70 | 2.20 | 0.43 | 0.43 | 0.20 |      |      |      |      |         | 150            | 10   | 4.40        |
| 1-1/2" | 4.45 | 1.49 | 7.40  | 4.25 | 2.71 | 0.55 | 0.55 | 0.23 | 1.97 | 2.75 | 0.13 | 0.17 | F05/F07 | 212            | 150  | 6.42        |
| 2"     | 5.20 | 1.97 | 7.40  | 4.60 | 3.05 | 0.55 | 0.55 | 0.26 |      |      |      |      |         | 310            | 250  | 9.40        |
| 2-1/2" | 6.70 | 2.56 | 8.85  | 5.78 | 3.93 | 0.75 | 0.67 | 0.27 | 2.75 | 4.01 | 0.17 | 0.21 | F07/F10 | 531            | 620  | 18.9        |
| 3"     | 7.34 | 2.99 | 8.85  | 6.18 | 4.33 | 0.75 | 0.67 | 0.28 |      |      |      |      |         | 708            | 938  | 26.4        |
| 4"     | 8.91 | 3.70 | 12.60 | 7.40 | 5.39 | 0.86 | 0.86 | 0.31 |      |      |      |      |         | 974            | 1466 | 49.9        |

The information presented on this sheet is correct at the time of publication. Service Metal reserves the right to change design, and/or material specifications without notice.

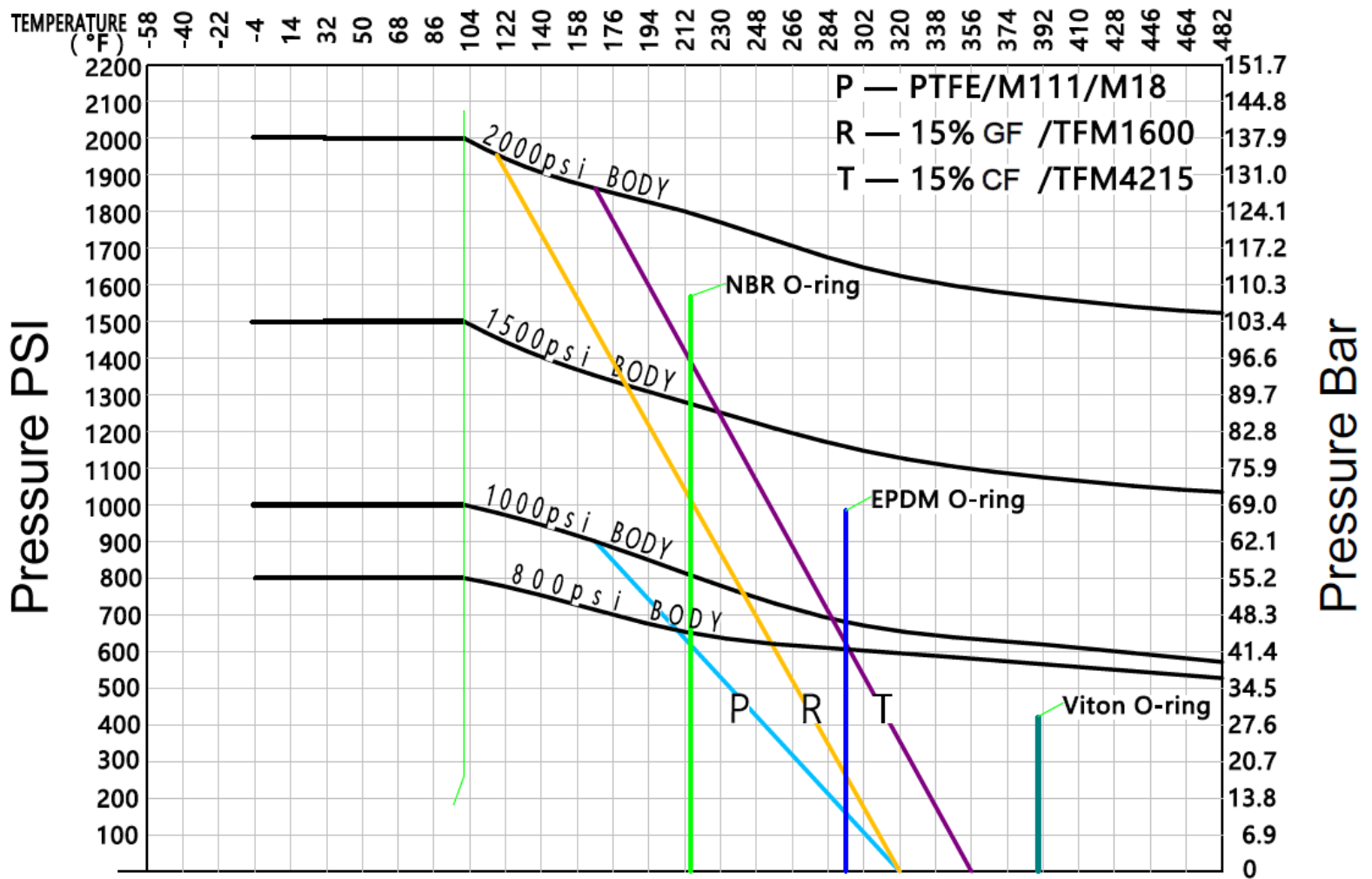


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# Ball Valve Pressure Temperature Curve 019-1.1



**This chart is for reference only. Performance may be affected by other application parameters.**