



One Piece REDUCE BORE THREADED / FIRE SAFE

Omni Series

Models:

T12-SS

T12-CS

Size Range:

½" ~ 2"

Temperature Range:

-20° ~ 450°F

Maximum Pressures:

2000 MAWP/WOG

175 SWP

Available in
316SS or WCB

T12 Series
STANDARD PRODUCT NUMBER
T12-SS-RGG-L
T12-CS-RGG-L



DESIGN FEATURES

- **Economical** One Piece Design compact unibody delivers outstanding high pressure service in a cost effective package.
- **Replaceable** seats and seals
- All bodies are marked with a foundry heat number for full traceability.
- **Adjustable** stem packing
- one piece body minimizes potential leak paths.
- **Fire Safe** Certified to API607 4th Edition
- **Seats** - 25% carbon-PTFE
- **Graphite packing**
- **Anti-static devices** are standard, grounding ball & stem to body.
- **Safety locking handle** lever & oval types
- **Blow-out proof stem**
- **Actuator mounting pad**

Designed for Economical High Pressure Applications

www.flotite.com

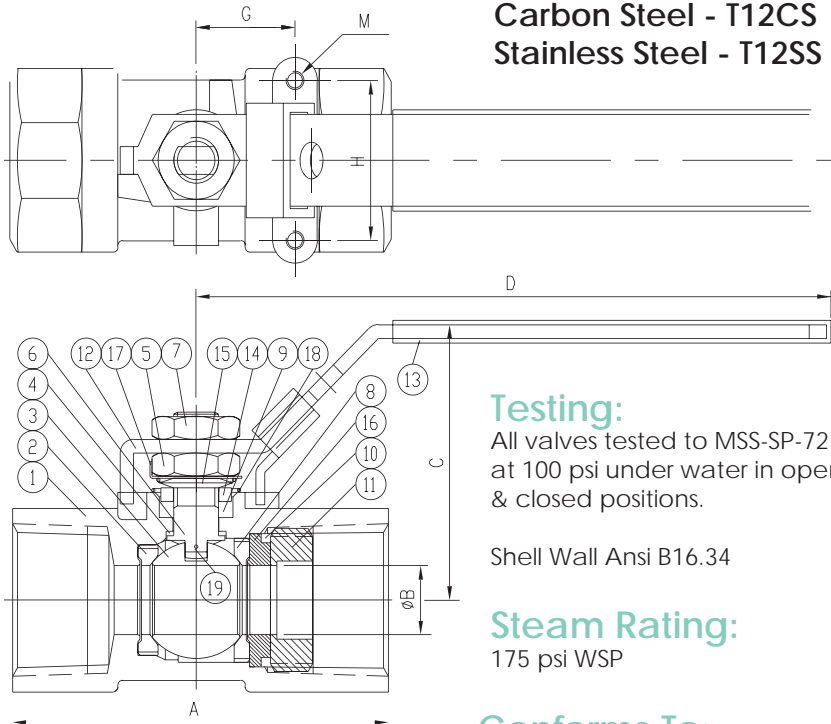
Design & Technical Data

Models:
Carbon Steel - T12CS
Stainless Steel - T12SS

BILL OF MATERIALS:

| No. | Parts | T12-SS | T12-CS | Qty |
|-----|---------------------|-----------------|-------------------|-----|
| 1 | Body | A351 CF8M | A216 WCB | 1 |
| 2 | Seat # | 25% Carbon PTFE | 25% Carbon PTFE | 1 |
| 3 | Ball | A351 CF8M | A351 CF8 | 1 |
| 4 | Thrust Washer # | PTFE | PTFE | 1 |
| 5 | Packing Nut | SS304 | SS304 | 1 |
| 6 | Stem | A276 316 | A276 304 | 1 |
| 7 | Handle Nut | SS304 | Zinc Plated C.S. | 1 |
| 8 | Seat # | 25% Carbon PTFE | 25% Carbon PTFE | 1 |
| 9 | Packing # | Graphite | Graphite | 1 |
| 10 | Body Gasket # | Graphite | Graphite | 1 |
| 11 | Retainer Nut | A351 CF8M | A216 WCB | 1 |
| 12 | Handle | SS304 | Zinc Plated C. S. | 1 |
| 13 | Handle Cover | PVC | PVC | 1 |
| 14 | Packing Follower | SS304 | SS304 | 1 |
| 15 | Belleville Washers | SS301 | SS301 | 2 |
| 16 | Seat Retainer | A351 CF8M | A216 WCB | 1 |
| 17 | Lock Washer | SS304 | SS304 | 1 |
| 18 | Anti-Static Springs | SS301 | SS301 | 2 |
| 19 | Anti-Static Device | SS316 | SS304 | 1 |

Parts included in the repair kits



Testing:

All valves tested to MSS-SP-72 at 100 psi under water in open & closed positions.

Shell Wall Ansi B16.34

Steam Rating:

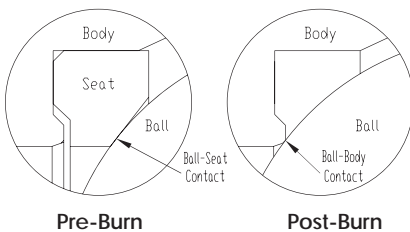
175 psi WSP

Conforms To:

- API STANDARD 6D
- ANSI B1.20.1 Threaded End NPT
- Fire Safe Testing API607-4
- NACE MR-01-75

Dimensions & Technical Data

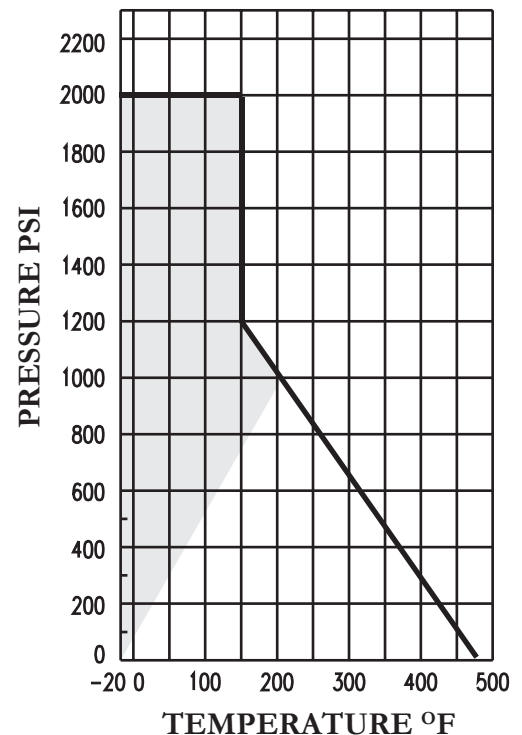
| SIZE | A | B | C | D | G | H | M | Cv | Torque In-Lb | Weight Lbs |
|--------|------|------|------|------|------|------|-----------|-----|--------------|------------|
| 1/4" | 2.64 | 0.35 | 1.73 | 4.37 | 0.50 | 1.12 | #10-24UNC | 2 | 60 | 0.7 |
| 3/8" | 2.64 | 0.35 | 1.73 | 4.37 | 0.50 | 1.12 | #10-24UNC | 2.5 | 60 | 0.68 |
| 1/2" | 2.64 | 0.35 | 1.73 | 4.37 | 0.50 | 1.12 | #10-24UNC | 5 | 76 | 0.6 |
| 3/4" | 2.80 | 0.49 | 1.89 | 4.37 | 0.50 | 1.12 | #10-24UNC | 10 | 102 | 0.82 |
| 1" | 3.31 | 0.59 | 2.36 | 5.55 | 0.87 | 1.37 | #10-24UNC | 15 | 182 | 1.31 |
| 1-1/4" | 3.70 | 0.79 | 2.56 | 5.55 | 0.87 | 1.37 | #10-24UNC | 25 | 245 | 2.01 |
| 1-1/2" | 3.94 | 0.98 | 2.80 | 6.34 | 0.93 | 1.50 | 1/4-20UNC | 40 | 356 | 2.80 |
| 2" | 4.65 | 1.26 | 3.03 | 6.34 | 0.93 | 1.50 | 1/4-20UNC | 60 | 560 | 4.21 |



FIRE SAFE, Flo-Tite's Model T12 valves are supplied as standard with graphite stem packing and body seal. Valves are certified fire safe. In the event of a fire, after heat destroys the primary resilient seat, the ball makes contact with the secondary metal seat, forming a secure seal. The graphite body seal prevents external leakage. The graphite live-loaded stem packing prevents stem leakage. All valves have anti-static devices, grounding ball and stem to the body as standard.

ATTENTION

MAWP/WOG is a do not exceed pressure at normal ambient NPT & Weld End Models



Flo-Tite, Inc.
4815 West 5th St.
Lumberton, NC 28358

P. O. Box 1293
Lumberton, NC 28359
Website: www.flotite.com

Tel: (910) 738-8904
Fax: (910) 738-9112
E-mail: flotite@flotite.com