

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

| |
|--|
| Controlled Pressure Ranges |
| 0-20, 0-50, 0-125, 0-200 psig 0-1.4, 0-3.4, 0-8.6, 0-13.8 bar 0-300 psig / 0-20.7 bar for Air Load |
| Design Proof Pressure |
| 150% maximum rated |
| Leakage |
| Bubble-tight |
| Operating Temperature |
| -20°F to 165°F / -29°C to 74°C |
| Flow Capacity |
| $C_v = 5.0$ |

MEDIA CONTACT MATERIALS

| |
|--|
| Body, Bonnet, Back-cap |
| 316 Stainless Steel or Brass |
| Main Valve Seat |
| Buna-N, Ethylene Propylene (E.P.), Chemraz®, or Viton® |
| Diaphragm |
| Gylon®, Viton® |
| O-Rings |
| Buna-N, Ethylene Propylene (E.P.), Chemraz®, or Viton® |
| Remaining Parts |
| 300 Series Stainless Steel, Nitronic 60 |

OTHER

| |
|---|
| Cleaning |
| CGA 4.1 and ASTM G93 |
| Weight |
| Stainless Steel: 15 lbs / 6.8 kg |
| Brass: 16 lbs / 7.3 kg |

Viton® is a registered trademark of E.I. du Pont de Nemours and Company.
Gylon® is a registered trademark of Garlock, Inc.
Chemraz® is a registered trademark of Greentweed.



DOME LOADED



SPRING LOADED

TESCOM 26-2500 Series has a $C_v = 5.0$ for high flow backpressure applications. Large diaphragm provides excellent sensitivity and minimal crack-to-reseat pressure differential.

Application

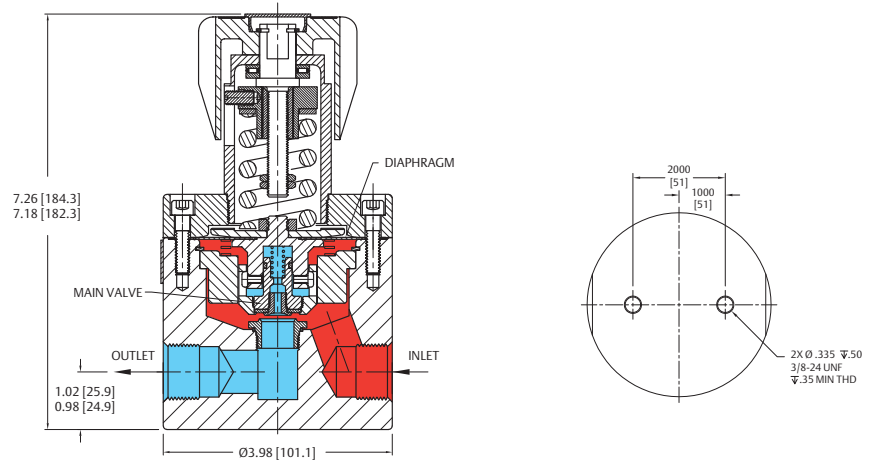
- Pump discharge pressure control

Features and Benefits

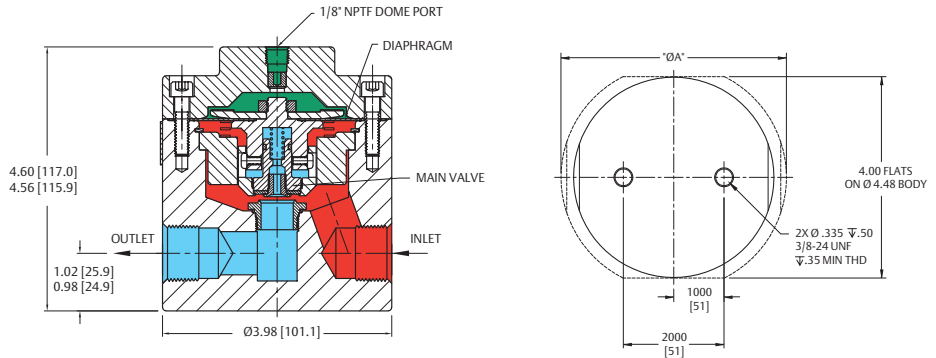
- High flow capacity
- Close pressure differential between crack and reseat
- Bubble-tight shutoff at all reseating pressures
- Large diaphragm provides maximum sensitivity
- Dome loaded and air actuated options are available
- Four control pressure ranges

26-2500 Series Regulator Drawings

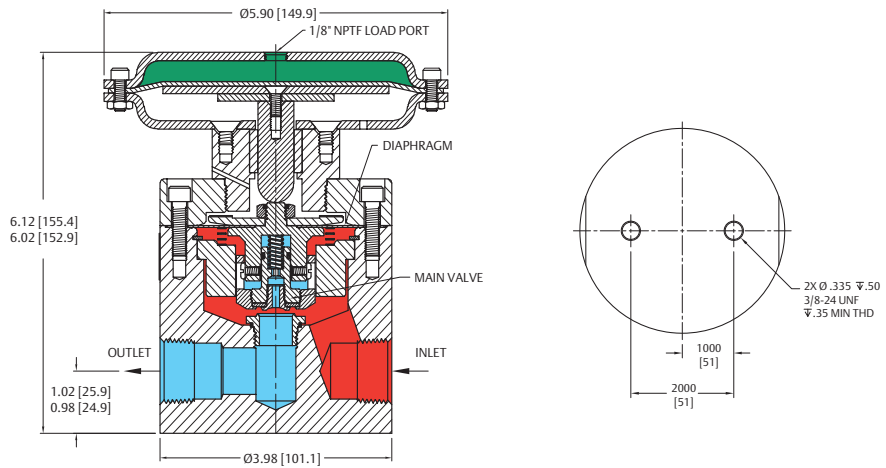
SPRING LOAD



DOME LOAD



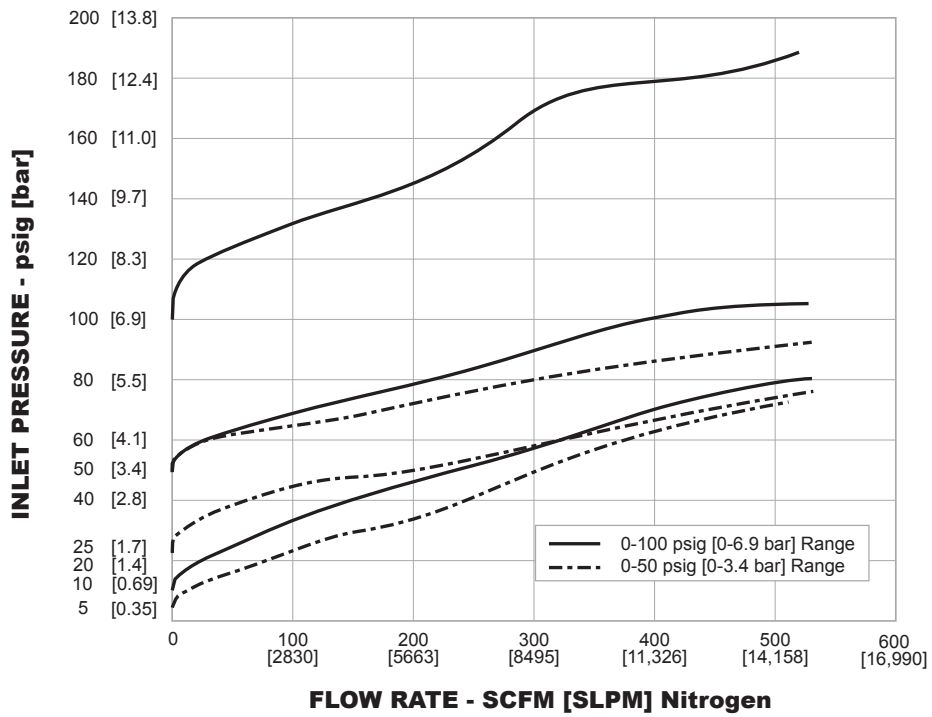
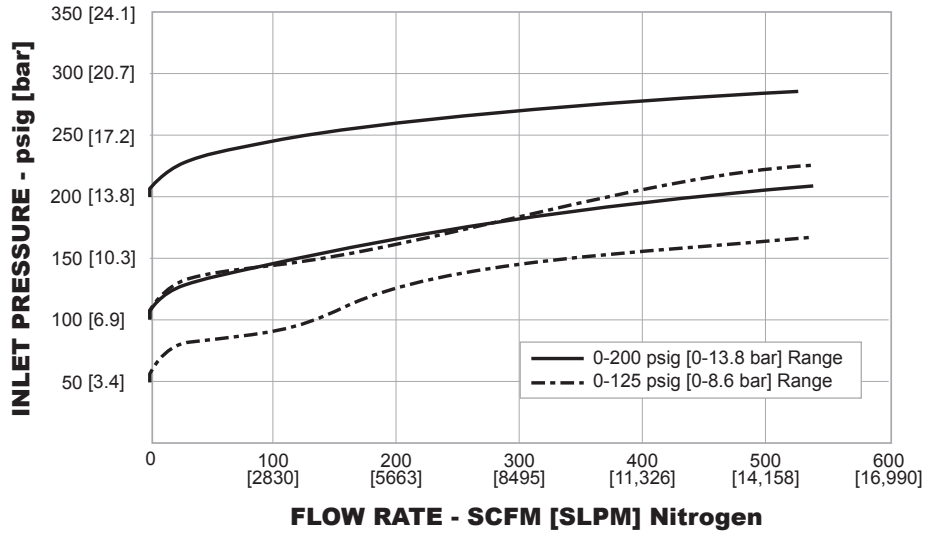
AIR
LOAD



All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets

26-2500 Series Regulator Flow Charts

For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on www.tescom.com.




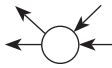

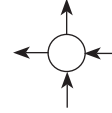
26-2500 Series Regulator Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

H – SPRING LOAD,
HANDKNOB ADJUST
D – DOME LOAD
A – AIR LOAD

Example for selecting a part number:

26-25 6 1 E 2 08 H G A

| BASIC SERIES | BODY, BONNET, BACK-CAP MATERIAL | INLET PRESSURE | O-RING AND VALVE SEAT MATERIAL | | INLET AND OUTLET PORT TYPE | INLET AND OUTLET PORT SIZE | DIAPHRAGM MATERIAL | PORTING CONFIGURATION |
|--------------|---------------------------------|--|--------------------------------|-----------------------|----------------------------|----------------------------|---|--|
| | | | O-Ring | Valve Seat | | | | |
| 26-25 | 1 – Brass | 0 – 0-20 psig 0-1.4 bar | B – Buna-N | Buna-N 90 | 1 – SAE | 08 – 1/2" | G – Gylon® | A – No gauge ports  |
| | 6 – 316 Stainless Steel | 1 – 0-50 psig 0-3.4 bar | E – Ethylene Propylene | Ethylene Propylene 80 | 2 – NPTF | 12 – 3/4" | V – Viton® (spring and dome load only) | B – 2 gauge ports at 60°  |
| | | 2 – 0-125 psig 0-8.6 bar | M – Chemraz® Chemraz® 75 | Viton® | 3 – MS33649 | 16 – 1" | | F – 1 inlet gauge port at 90°  |
| | | 3 – 0-200 psig 0-13.8 bar | | | | | | L – 2 gauge ports at 90°  |
| | | 3 – 0-300 psig 0-20.7 bar (air loaded only) | | | | | | |
| | | D – 0-200 psig 0-13.8 bar (dome loaded only) | | | | | | |