

# 26-2500 Series

## Regulators - Relief / Backpressure

D26251944X012

### 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

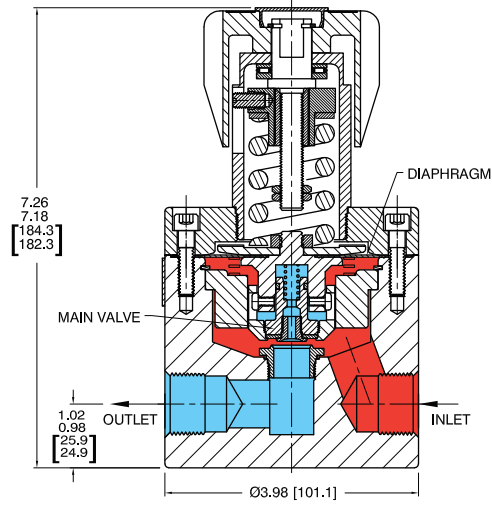
- Pump discharge pressure control

### Features and Benefits

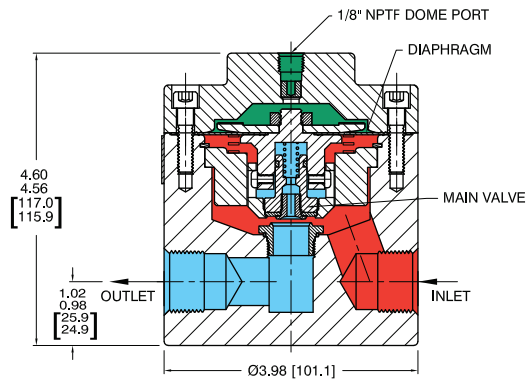
- High flow capacity
- Close pressure differential between crack and reseat
- Bubble-tight shutoff at all reseating pressures
- Large diaphragm provides maximum sensitivity
- Dome loaded and air actuated options are available
- Four control pressure ranges

26-2500 Series Regulator Drawings

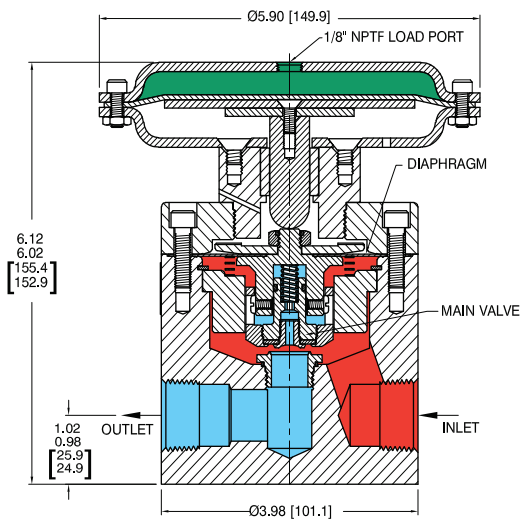
SPRING LOAD



DOME LOAD



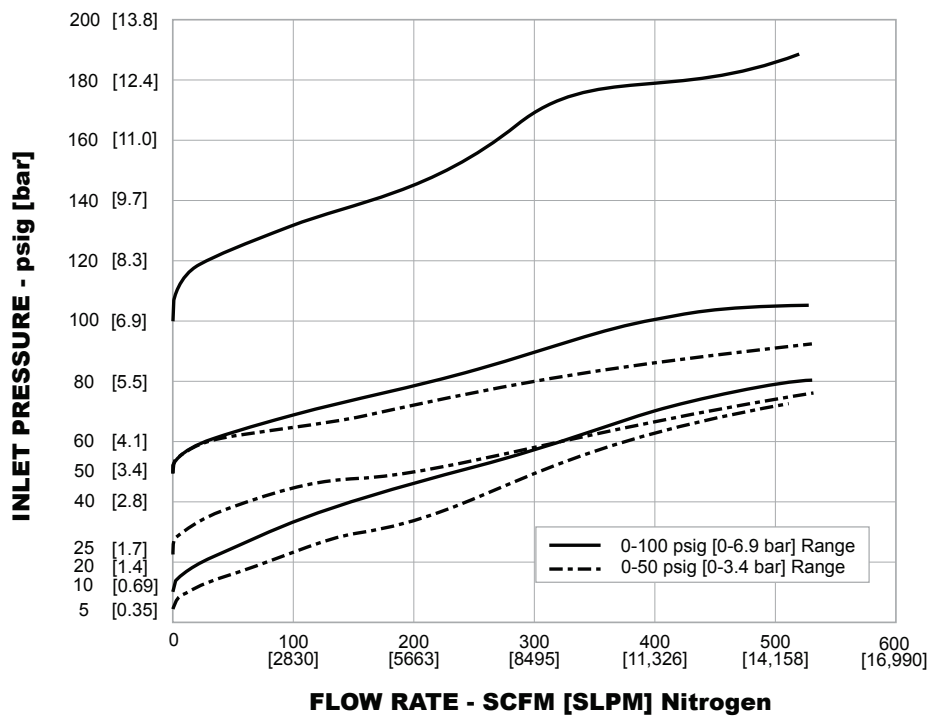
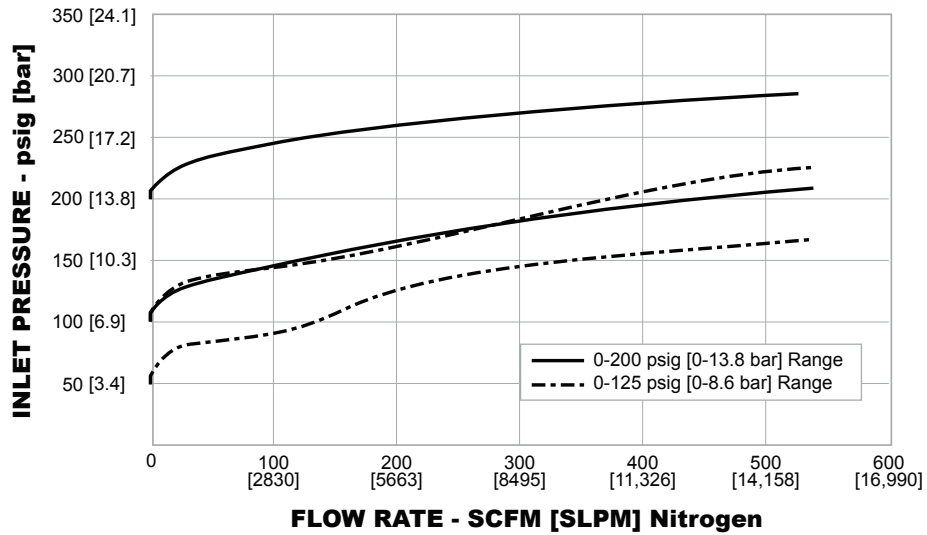
AIR LOAD



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](http://www.tescom.com).



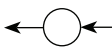
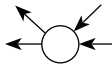
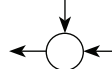
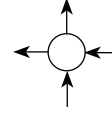
## 26-2500 Series Regulator Part Number Selector

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

Example for selecting a part number:

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

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	3 – MS33649	16 – 1"		F – 1 inlet gauge port at 90° 
		3 – 0-200 psig 0-13.8 bar	V – Viton®	Viton®				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)								