

**Specifications**

For other materials or modifications, please consult TESCOM.

**OPERATING PARAMETERS**

Pressure rating per criteria of ANSI/ASME B31.3

**Maximum Inlet Pressure**  
**Brass:** 6000 psig / 413 bar  
**Stainless Steel:** 10,000 psig / 690 bar  
**Stainless Steel (Spring and Air Load only):** 15,000 psig / 1034 bar

**Outlet Pressure Ranges**  
 See Part Number Selector

**Design Proof Pressure**  
 150% of rated pressure

**Leakage**  
**Non-Metal Seat:** Bubble-tight  
**Metal Seat:** 2 drops/minute at 150 SUS at 2500 psig / 172 bar

**Operating Temperature**  
 -15°F to 165°F / -26°C to 73°C

**Flow Capacity**  
 $C_v = 0.02, 0.06, 0.12, \text{ or } 0.30$

**MEDIA CONTACT MATERIALS**

**Body**  
 316 Stainless Steel or Brass

**Seat, Vent, and Main Valve**  
 See Part Number Selector

**O-Ring**  
 See Part Number Selector

**Back-up Ring**  
 PTFE

**Filter\***  
**26-201XX-XX:** Bronze  
**26-202XX-XX:** 300 Series Stainless Steel

**Remaining Parts**  
 316 Stainless Steel and 17-4 PH Stainless Steel

**OTHER**

**Cleaning**  
 CGA 4.1 and ASTM G93

**Weight (approximate)**  
 5.5 lbs / 2.5 kg

\*no filter with metal seat

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.



TESCOM 26-2000 Series high pressure, low flow piston sensed regulator is available in dome, spring and air load versions. This regulator comes with segregated captured venting standard with inlet pressure ratings of 6000-15,000 psig / 413-1034 bar.

**Applications**

- R&D labs
- Pressure filling
- Calibration testing
- Burst testers
- Component testing
- High pressure hydraulic or pneumatic applications

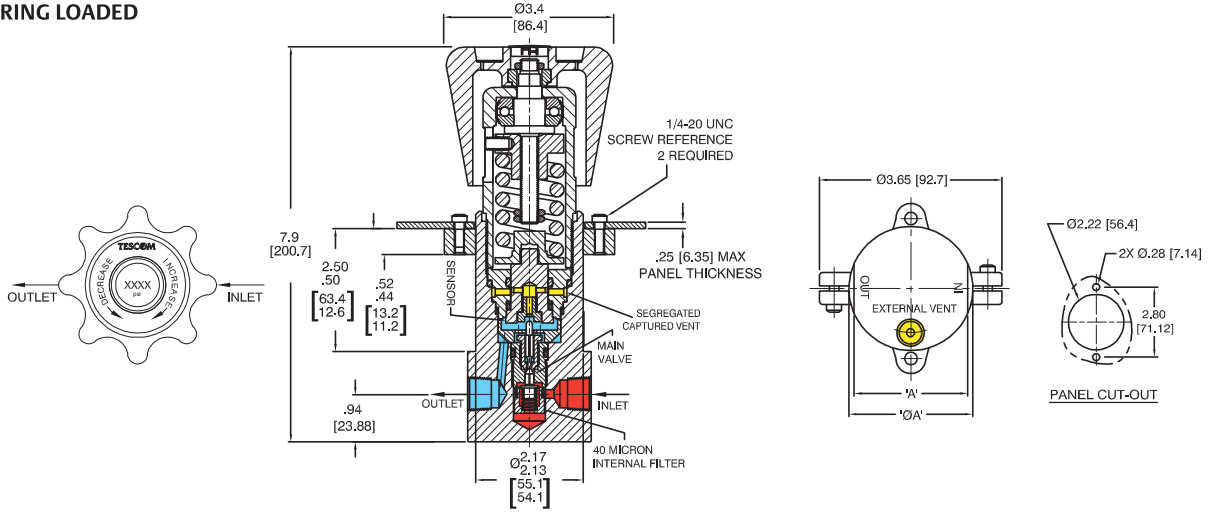
**Features and Benefits**

- Segregated captured vent is standard
- Three standard loading methods - spring, dome, and air actuated
- Available with soft and metal-to-metal seating
- Standard 40 micron internal filter (soft seated models) increases service life
- High flow version is available with  $C_v$  of 0.30
- An excellent choice to be used with the TESCOM ER5000 Electropneumatic Controller

# 26-2000 SERIES

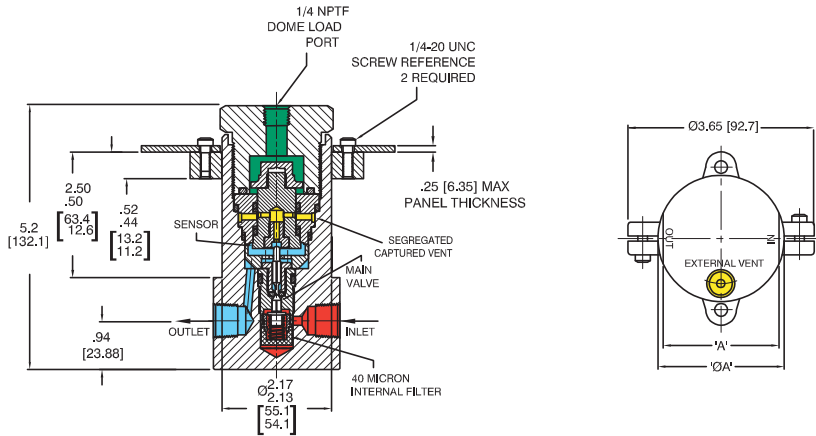
## 26-2000 Series Regulator Drawings

### SPRING LOADED

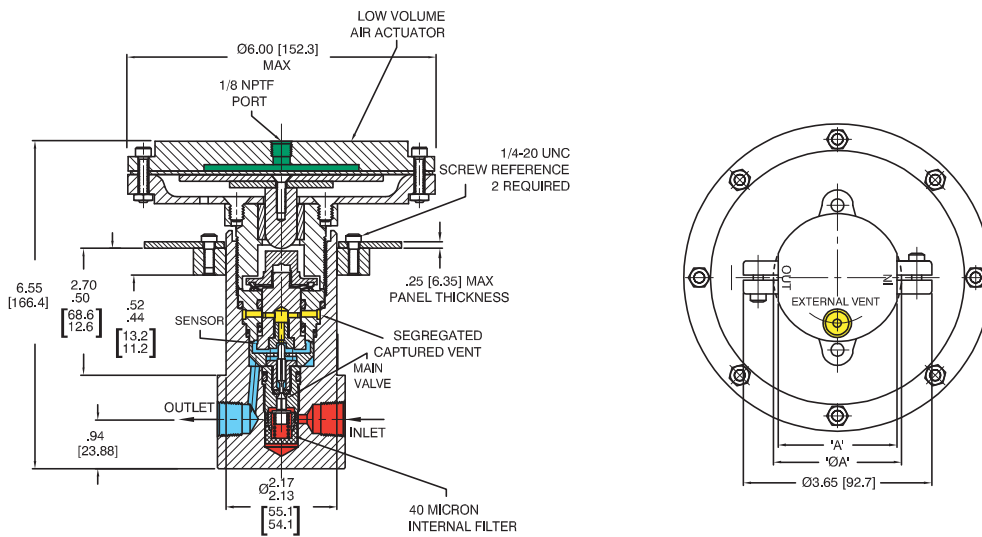


### DOME LOADED

INLET & OUTLET PORT	'A'
ALL 1/4 EXCEPT NPTF	2.30
1/4 NPTF	Ø2.48
3/8 NPTF	Ø2.48
ALL 3/8 EXCEPT NPTF	2.90
1/2 MS33649	2.90
1/2 NPTF	Ø3.20



### AIR LOADED

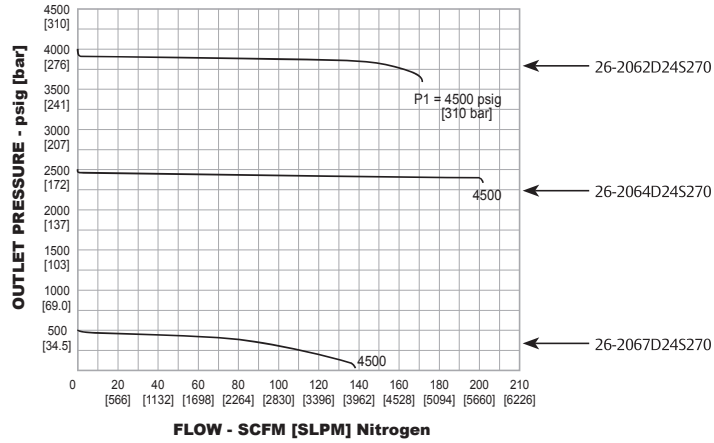


All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

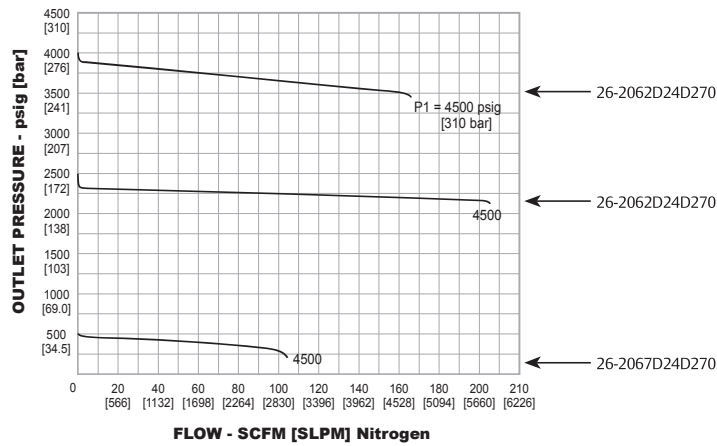
26-2000 Series Regulator Flow Charts

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.

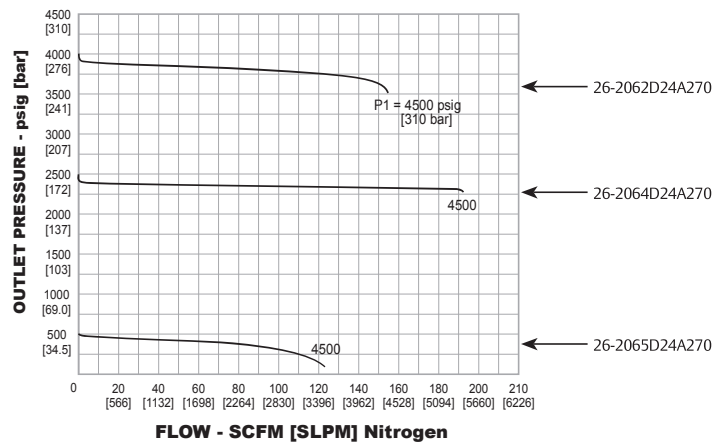
SPRING LOADED



DOME LOADED



AIR LOADED



# 26-2000 SERIES

## 26-2000 Series Regulator Part Number Selector

**i Learn more about common options.**

For modifications, repair kits and accessories, contact factory.

Example for selecting a part number:

26-20      6                  1                  A                  2                  4      5      1                  7                  0

S – Spring load  
D – Dome load  
A – Air load

BASIC SERIES	BODY MATERIAL	MAXIMUM INLET PRESSURE	OUTLET PRESSURE	SOFT GOODS MATERIAL		INLET AND OUTLET PORT TYPE	VENT PORT	INLET AND OUTLET PORT SIZE	FLOW CAPACITY (C <sub>v</sub> )	MAIN VALVE AND VENT SEAT MATERIAL	GAUGE PORT OPTIONS 1/4" NPTF
				O-RING	BACKUP RING						
26-20	1 – Brass	6000 psig 413 bar	<b>Spring Load</b> 1 – 200-10,000 psig 14-690 bar <i>(Stainless steel body only)</i> 2 – 50-6000 psig 3.4-413 bar 3 – 25-4000 psig 1.7-275 bar 4 – 15-2500 psig 1-172 bar 5 – 10-1500 psig 0.7-103 bar 6 – 5-800 psig 0.35-55 bar 7 – 5-500 psig 0.35-35 bar <b>Dome Load</b> 1 – 200-10,000 psig 14-690 bar <i>(Stainless Steel body only)</i> 2 – 50-6000 psig 3.4-413 bar 7 – 5-500 psig 0.35-35 bar <b>Air Load</b> 1 – 200-10,000 psig 14-690 bar <i>(Stainless Steel body only)</i> 2 – 50-6000 psig 3.4-413 bar 4 – 15-2500 psig 1-172 bar 5 – 10-1500 psig 0.7-103 bar	A – PTFE	PTFE	1 – SAE 1/4" SAE	1/4" SAE	4 – 1/4"	1 – .02 <i>(not available for metal seated models)</i>	5 – 17-4 Stainless Steel	0 – None
	6 – 316 Stainless Steel	10,000 psig 690 bar		D – Nitrile, Buna-N (70 durometer)	PTFE	2 – NPTF 1/4" NPTF	1/4" NPTF	6 – 3/8"	2 – 0.06	7 – Polyimide (Vespel®)	1 – One Outlet Gauge at 90°
	9 – 316 Stainless Steel	15,000 psig <sup>1</sup> 1034 bar <i>(spring and air load only)</i>		T – FKM (Viton®-A)	PTFE	3 – MS33649 1/4" MS33649	1/4" MS33649	8 – 1/2" <sup>2</sup>	3 – 0.12 <sup>3</sup> <i>(metal and/or Polyimide (Vespel®) seat only)</i>	8 – Peek	2 – Two Gauge Ports at 60°
				U – Urethane	PTFE	4 – High pressure/ Aminico	1/4" NPTF				3 – Two Gauge Ports at 60° (left hand inlet)
				V – FFKM, Perfluoroelastomer (Kalrez®)	PTFE	6 – Medium pressure/ Slimline	1/4" NPTF				4 – Two Gauge Ports at 90°
				Z – E.P	PTFE						5 – One Outlet Ports at 90° (left hand inlet)

1. 15,000 psig / 1034 bar inlet requires a CTFE back-up ring on main valve.  
 2. 1/2" not available in High (Aminico) or Medium (Slimline) pressure ports.  
 3. Not available with 15,000 psig / 1034 bar inlet.