

Absolute Pressure

four ranges from subatmospheric to 150 PSIG in back pressure

44-4700 Series

Specifications

- ❑ Operating Parameters
 - pressure rating per criteria of ANSI/ASME B31.3
 - maximum inlet pressure . . . 28 in. Hg Vac - 15 PSIG, 0-50, 0-100 & 0-150 PSIG
 - design proof pressure 150% of maximum rated pressure
 - leakage internal: bubble-tight
external: $\leq 2 \times 10^{-8}$ atm cc/sec HE
 - ambient operating temperature . . . -40° F to +165° F (-40° C to +74° C)
 - flow capacity $C_v = .04$
 - maximum operating torque . . . 25 in.-lbs. (2.8 Nm)
- ❑ Media Contact Materials
 - body 316 Stainless Steel
 - bonnet Electroless nickel plated brass
 - seat Teflon®
 - spring *main valve & bias* . . . 316 Stainless Steel
 - diaphragm 316 Stainless Steel
 - remaining parts 316 Stainless Steel
- ❑ Cleaning CGA 4.1 and ASTM G93
- ❑ Weight (without gauges) 2.75 lbs. (1.25 kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

Teflon® is a registered trademark of Du Pont.

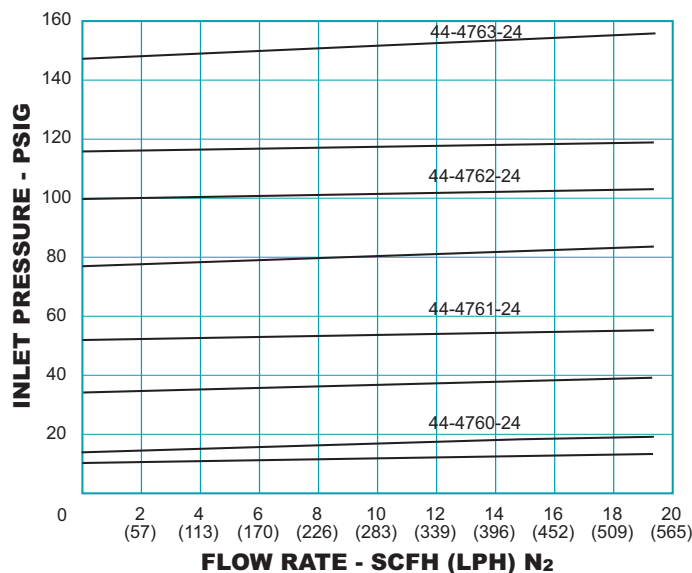
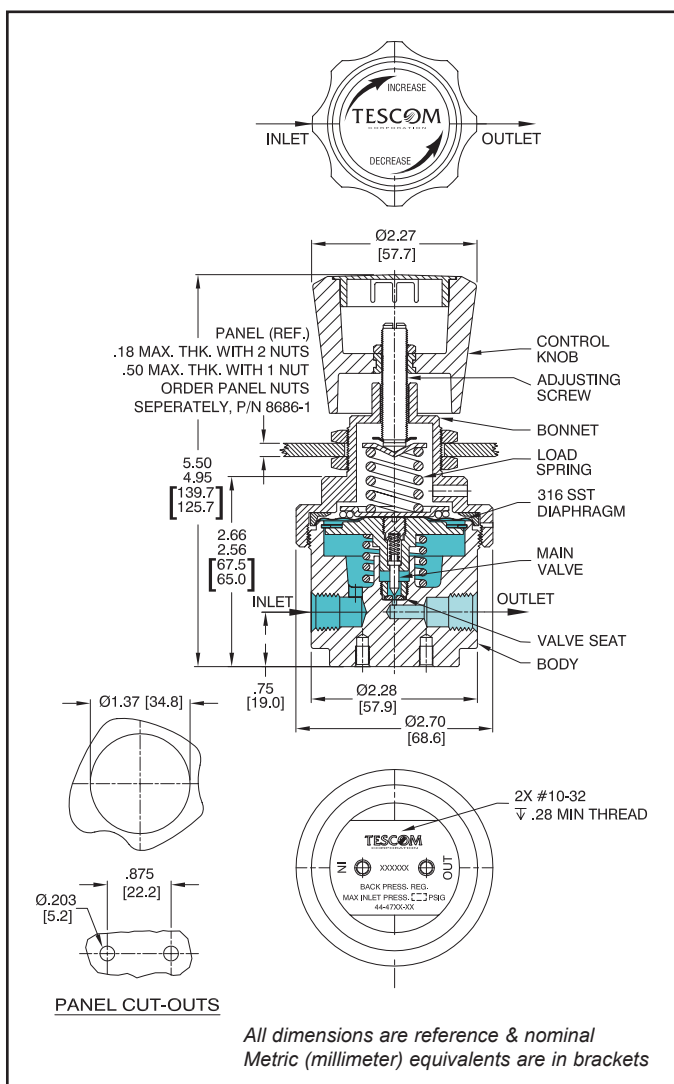


Advantages

- 316 stainless steel diaphragm provides metal to metal sealing integrity and good sensitivity
- Large sensing seat area ratio provides a low crack to reseal pressure differential and excellent repeatability
- Negative spring bias for vacuum systems
- Adjustable stop limits maximum outlet pressure
- Compatible with Tescom's ER3000 Electropneumatic PID controllers

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Flow Chart



Part Number Selector

example part number:

44-47 6 0 - 2 4 -

BASIC SERIES	BODY MATERIAL	INLET PRESSURE RANGES	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	OPTIONS
44-47	6 - 316 Stainless Steel	0 - 28" Hg Vac - 15 PSIG 1 - 0 - 50 PSIG 2 - 0 - 100 PSIG 3 - 0 - 150 PSIG	1 - SAE 2 - NPT 3 - MS33649	4 - 1/4" 6 - 3/8"	- 501 - C _v = .30

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



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the Tescom Safety, Installation & Operation Precautions.

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