

Positive Seal

maximum 3000 PSIG in/4 ranges up to 150 PSIG out
positive shutoff/accurate/pressure reducing

44-2800 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
maximum inlet pressure 3000 PSIG
outlet pressure ranges 0-25, 0-50, 0-100,
0-150 PSIG
design proof pressure 150% maximum
rated pressure
leakage internal: bubble-tight
external: design to meet $\leq 2 \times 10^{-8}$ atm cc/sec He
operating temperature -40° F to +165° F
(-40° C to +74° C)
flow capacity $C_v = .16$

❑ Media Contact Materials

body 316 Stainless Steel
diaphragm 316 Stainless Steel
friction sleeve (outer) 316 Stainless Steel
friction sleeve (inner) PTFE
spring Elgiloy®
seat CTFE
remaining parts 316 Stainless Steel

For other materials and modifications, please consult Tescom.

❑ Cleaning CGA 4.1 and ASTM G93

❑ Connections 1/4" NPT inlet and outlet inlet and outlet ports @ 60°

❑ Weight (without gauges) 3 lbs (1.35 kg)

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

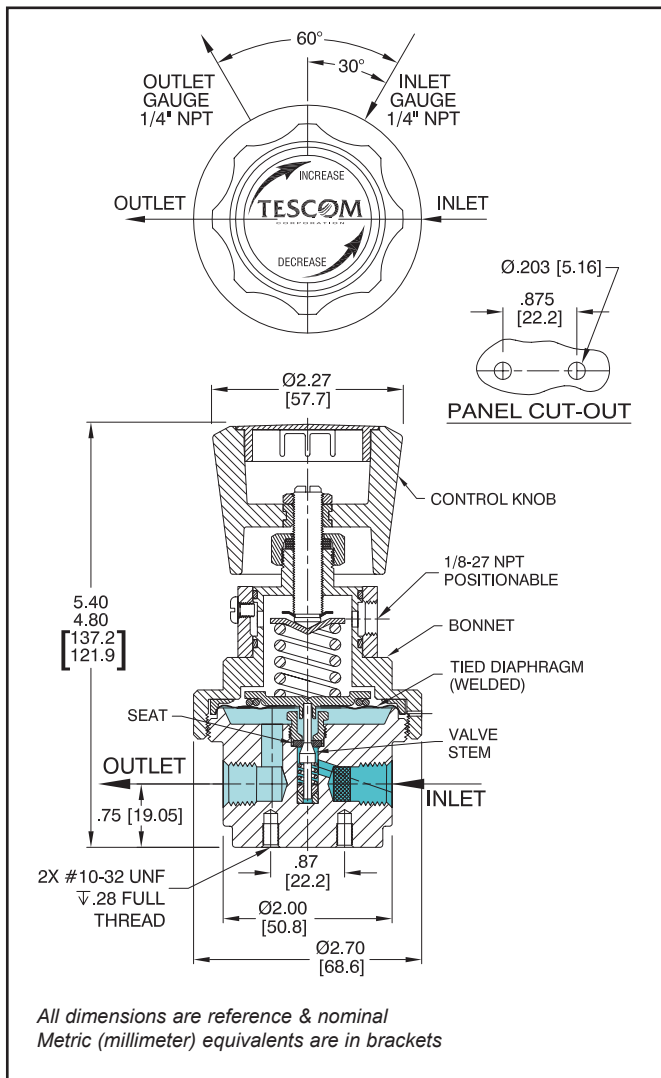
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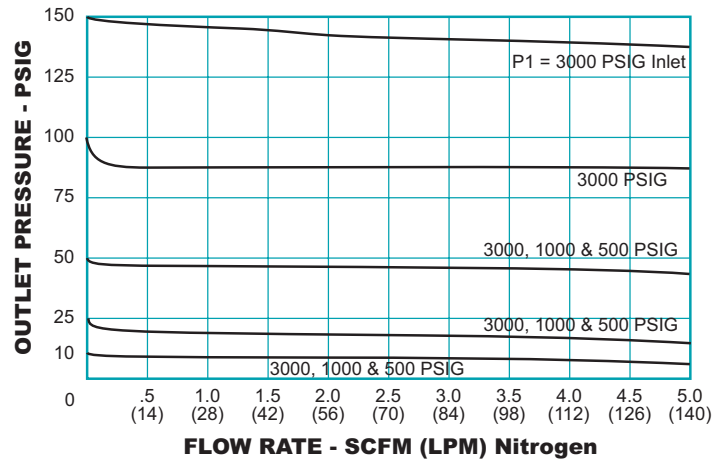
Advantages

- Repeatability: $\pm 1/2\%$ of maximum rated outlet pressure
- Convoluted diaphragm provides maximum sensitivity, minimum droop
- Metal to metal diaphragm to body seal
- Positionable captured vent bonnet and adjustable stop to limit outlet pressures
- Hastelloy-C® or Monel trim options available (-135 modification)

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Flow Chart



Part Number Selector

example part number:

44-28 6 1 - 2 4 1

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	INLET PRESSURE (MAXIMUM)
44-28	6 – 316 Stainless Steel	0 – 0-25 PSIG 1 – 0-50 PSIG 2 – 0-100 PSIG 3 – 0-150 PSIG	2 – NPT	4 – 1/4"	1 – 3000 PSIG

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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Form No. 1796 Rev. 11/06 Printed 11/06 5M Printed in the U.S.A.



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