

Metal Diaphragm Sensed/Economical

maximum 400 or 3500 PSIG in/ranges up to 500 PSIG out
general purpose/pressure reducing

44-2200 Series

Specifications

- ❑ Operating Parameters
 - pressure rating per criteria of ANSI/ASME B31.3
 - maximum rated inlet pressure 400 PSIG,
3500 PSIG
 - outlet pressure ranges 0-25, 0-50, 0-100,
0-250 & 0-500 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 -15° F to $+165^{\circ}$ F
(-26° C to $+74^{\circ}$ C)
 - flow capacity:
 - 3500 PSIG inlet $C_v = .06$
 - 400 PSIG inlet $C_v = .15$
 - maximum operating torque 30 in.-lbs. (3.4 Nm)
- ❑ Media Contact Materials
 - body 316L SST, Brass, Hastelloy-C® or Monel
 - bonnet 300 Series Stainless Steel, Brass
 - diaphragm 316 SST, Elgiloy®
 - seat Teflon®
 - remaining parts 316 SST/Brass,
Hastelloy® or Monel
- ❑ Cleaning CGA 4.1 and ASTM G93
- ❑ Weight (without gauges) 2.0 lbs. (.9 kg)

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

*Teflon® is a registered trademark of Du Pont.
Hastelloy® is a registered trademark of Haynes International, Inc.
Elgiloy® is a registered trademark of Elgiloy Corp.*



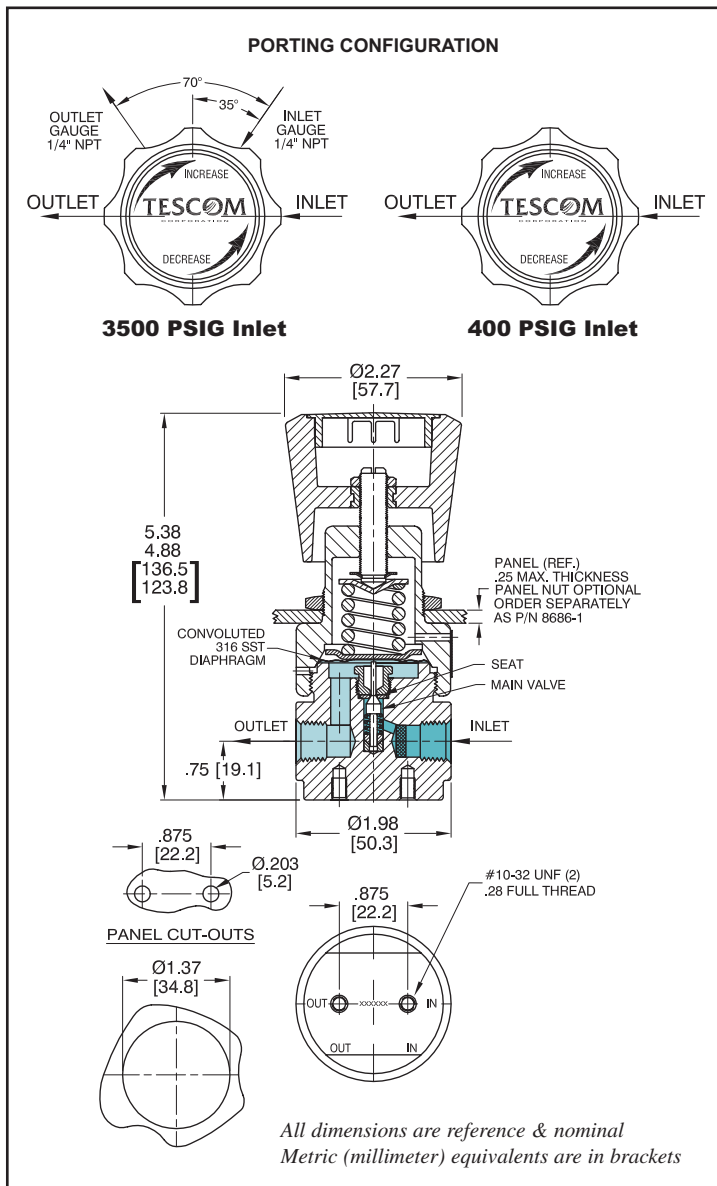
Advantages

- Compact in size
- Designed to reduce contamination and provide accurate regulation of any corrosive, non-corrosive or toxic gas
- Brass model provides added economy for control of non-corrosive media
- Metal to metal diaphragm to body seal assures minimum inboard and outboard leakage
- Convuluted diaphragm gives excellent accuracy and long life
- Panel mounting available
- Welded connections available: Sanitary ends, VCR® and tube stubs
- 300 Series Stainless Steel or brass bonnet

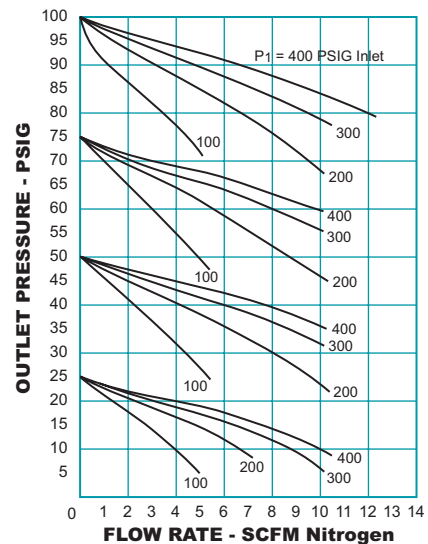
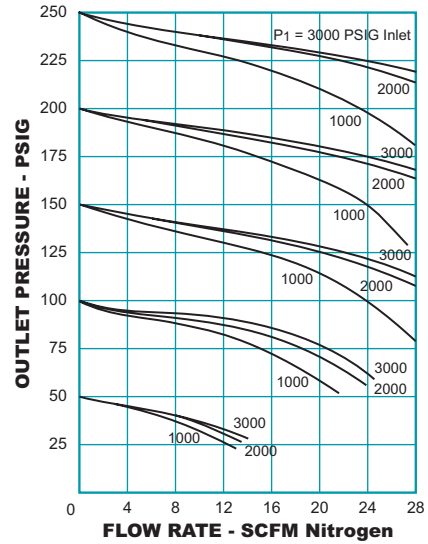


44-2200 Series

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Flow Charts



Part Number Selector

example part number:

44-22 6 0 - 2 4 1

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	INLET PRESSURE	FLOW CAPACITY
44-22	1 - Brass	0 - 0-25 PSIG	2 - NPT	4 - 1/4"	1 - 3500 PSIG 2 - 400 PSIG	$C_v = .06$ $C_v = .15$ <i>See porting configuration</i>
	5 - Hastelloy-C®	1 - 0-50 PSIG				
	6 - 316L SST	2 - 0-100 PSIG				
	9 - Monel	3 - 0-250 PSIG 4 - 0-500 PSIG <i>(with 3500 PSIG inlet only)</i>				

Repair Kits, Accessories & Modifications may be available for this product. Please contact factory 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.

NOTE: Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues.



SERV' INSTRUMENTATION

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