

# Two Stage/Pressure Reducing

maximum 3500 PSIG in / 0-250 PSIG out  
spring loaded, hand operated

## 44-3400 Series

### Specifications

#### ❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3  
rated inlet pressure . . . . . 3500 PSIG  
outlet pressure range . . . 0-25, 0-50, 0-100, 0-150  
& 0-250 PSIG  
design outlet proof pressure . . 150% of maximum  
rated pressure  
operating temperature . . . . . -40° F to +165° F  
(-40° C to +74° C)  
flow capacity . . . . .  $C_v = .05$   
leakage . . . . . internal: bubble-tight  
external: design to meet  $\leq 2 \times 10^{-8}$  atm cc/sec He  
maximum operating torque . . . 10 lbs. - in. (1 Nm)  
decaying inlet. . . . . .04 change/100 PSIG inlet

#### ❑ Media Contact Materials

body . . . . . 316 Stainless Steel, Brass or Monel  
bonnets . . . . . 300 Series Stainless Steel or brass  
diaphragms . . . . . 316 Stainless Steel or Elgiloy®  
seats . . . . . PTFE  
friction sleeve (inner) . . . . . PTFE  
remaining parts . . . 316 SST (& brass for brass models)

*For other materials and modifications, please consult Tescom.*

- ❑ Connections . . 1/4" NPT inlet, outlet & gauge ports
- ❑ Cleaning . . . . . CGA 4.1 and ASTM G93
- ❑ Weight (without gauges) . . . . . 3 lbs. (1.35 kg)

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

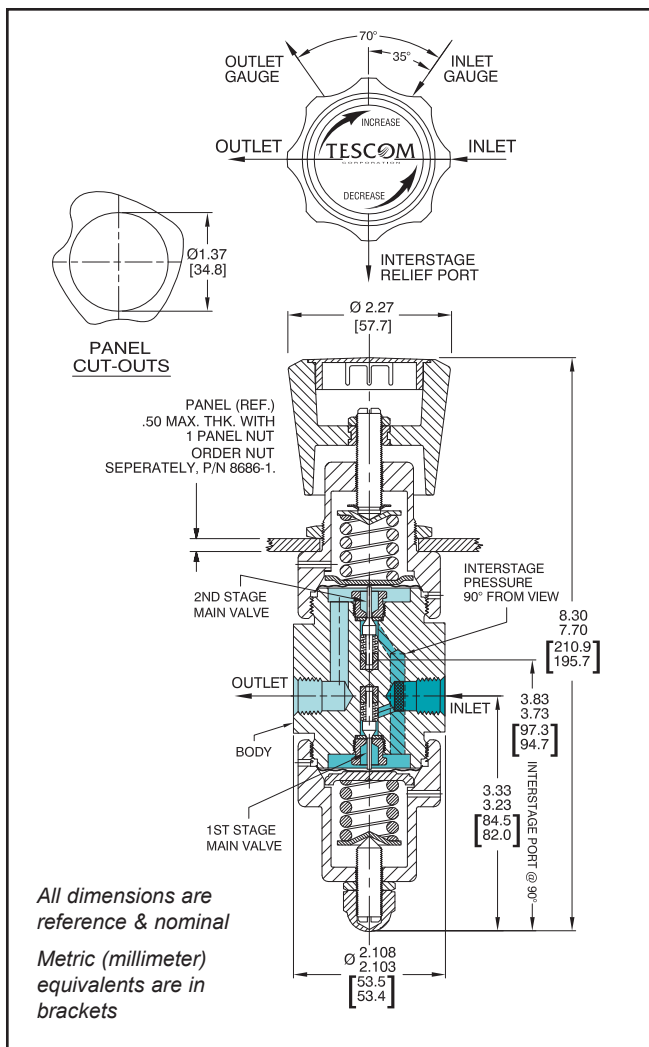
*Elgiloy® is a registered trademark of Elgiloy Specialty Metals.*



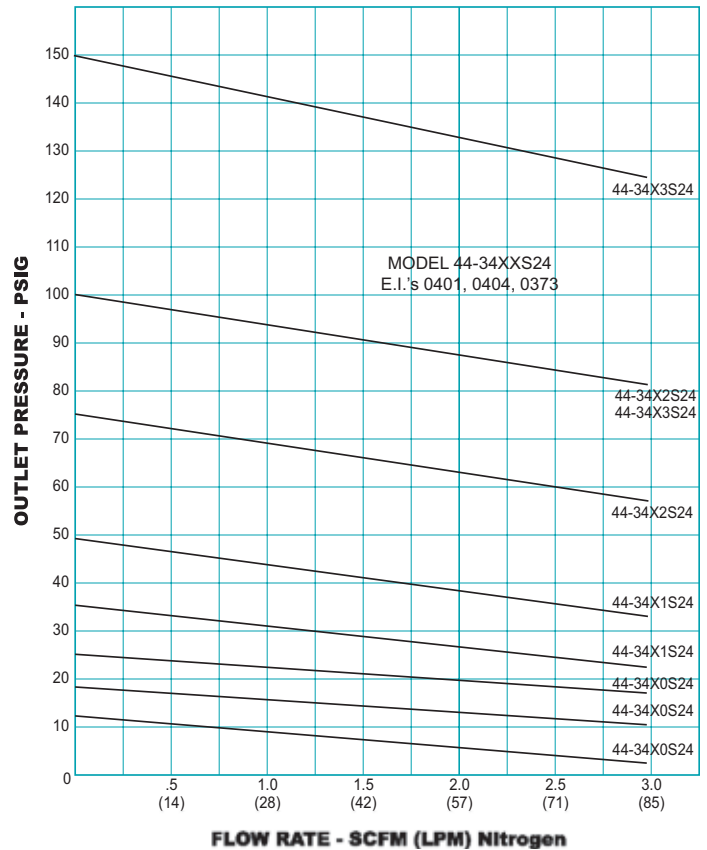
### Advantages

- Provides a continuous, accurate outlet pressure regardless of inlet pressure fluctuations
- Offers a decaying inlet characteristic of .04 PSIG per 100 PSIG change in inlet pressure
- Features a unique metal-to-metal diaphragm to body seal
- Diaphragms are convoluted for greater accuracy and sensitivity
- Available in 316 Stainless Steel, brass or Monel

# 44-3400 Series Two Stage/Pressure Reducing



## Flow Chart



## Part Number Selector

example part number:

**44-34 6 2 S 2 4**

BASIC SERIES	MATERIALS					OUTLET PRESSURE RANGES	SEAT	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE
	body	diaphragm	spring	friction sleeve (outer)	remaining parts				
<b>44-34</b>	<b>1</b> - Brass	316 SST	316 SST	316 SST	316/Brass	<b>0</b> - 0 - 25 PSIG	<b>S</b> - PTFE	<b>2</b> - NPT	<b>4</b> - 1/4"
	<b>6</b> - 316 SST	316 SST	316 SST	316 SST	316 SST	<b>1</b> - 0 - 50 PSIG			
	<b>9</b> - Monel	Elgiloy®	Elgiloy®	PTFE	Monel	<b>2</b> - 0 - 100 PSIG			
						<b>3</b> - 0 - 150 PSIG			
						<b>4</b> - 0 - 250 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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