

Two Stage / Pressure Reducing

max. 240 bar in / up to 17 bar out
spring loaded, hand operated

44-3400 Series

Specifications

❑ Operating Parameters

Max. rated inlet pressure:

.....240 bar (3500 PSIG)

Outlet pressure ranges:

.....0.1 - 1.7 bar (1 - 25 PSIG),

..... 0.1 - 3.5 bar (2 - 50 PSIG),

.....0.1 - 7 bar (2 - 100 PSIG),

..... 0.2 - 10 bar (3 - 150 PSIG),

..... 0.2 - 17 bar (3 - 250 PSIG)

Design outlet proof pressure: 150 % of
max. rated pressure

Leakage:

Internal: Bubble-tight

External: $\leq 2 \times 10^{-8}$ mbar l/s He

Operating temperature: -40 °C to +74 °C

Flow capacity: Cv = 0.05

Max. operating torque: 1 Nm

Decaying inlet: 3 mbar change/7 bar

❑ Media Contact Materials

Body: 316 stainless steel, brass or Monel

Bonnets: 300 Series stainless steel or brass

Diaphragms: 316 stainless steel or Elgiloy®

Seats: PFA

Friction sleeve (inner): PFA

Remaining parts: 316 stainless steel
(brass for brass models)

For other materials and modifications, please consult Tescom Europe.

❑ Connections:

..... 1/4" NPT inlet, outlet & gauge ports

❑ Weight (without gauges): 1.35 kg

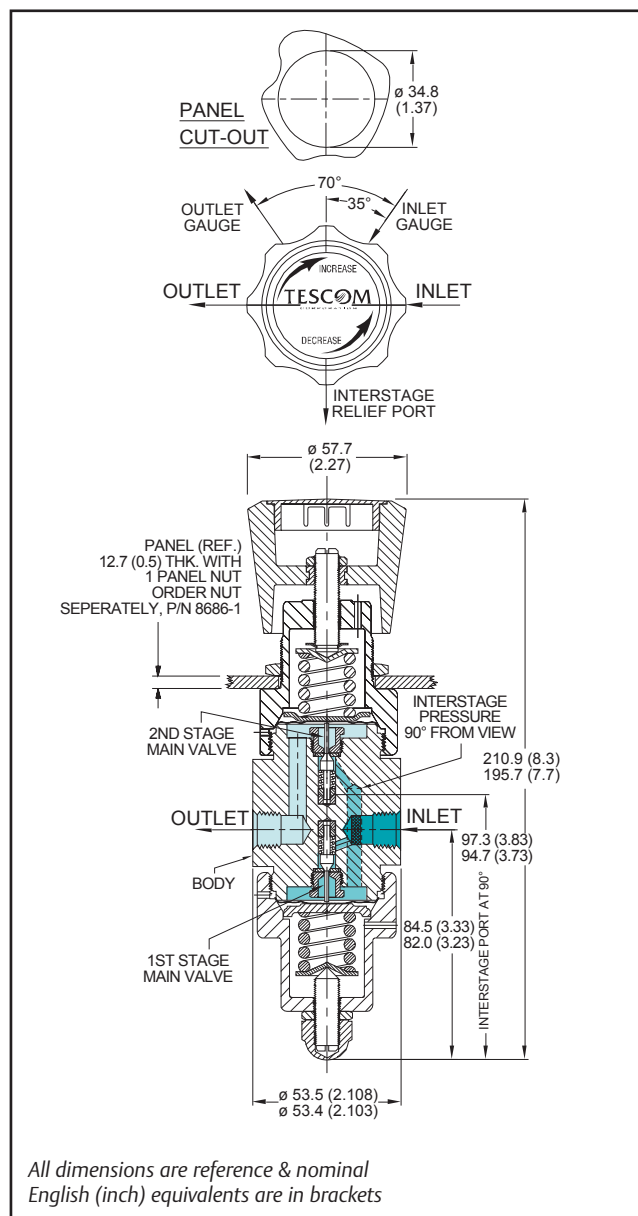


Advantages

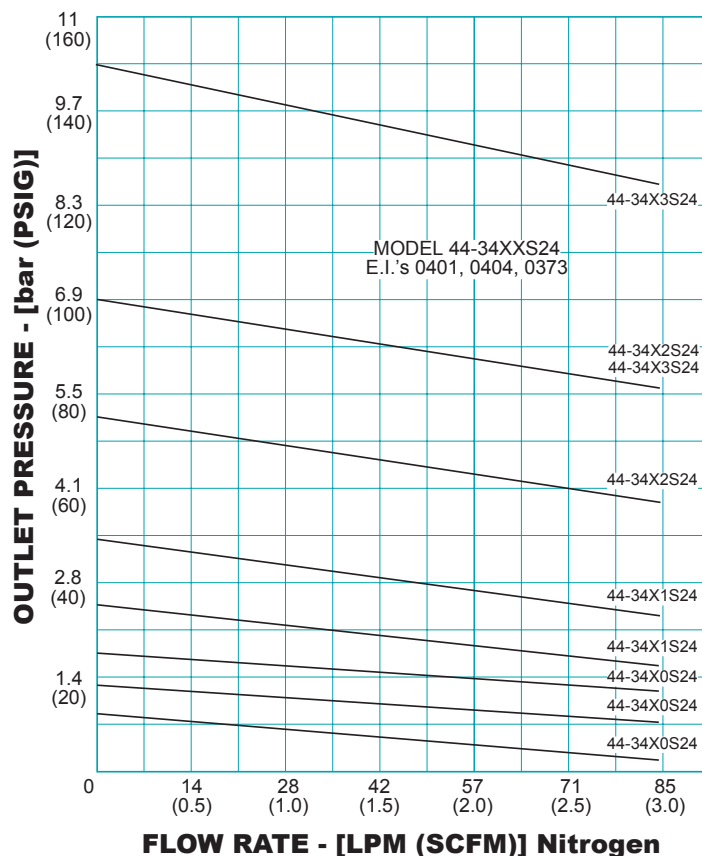
- Provides a continuous, accurate outlet pressure regardless of inlet pressure fluctuations
- Offers a decaying inlet characteristic of 3 mbar per 7 bar change in inlet pressure
- Features a unique metal-to-metal diaphragm to body seal
- Diaphragms are convoluted for greater accuracy and sensitivity
- Available in 316 stainless steel, brass or Monel

Elgiloy® is a registered trademark of Elgiloy Corp.

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 RANGE	SEAT	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE
	body	diaphragm	spring	friction sleeve (outer)	remaining parts				
44-34	1 - Brass	316 SST	316 SST	316 SST	316/Brass	0 - 0.1 - 1.7 bar (1 - 25 PSIG)	S - PFA	2 - NPT	4 - 1/4"
	6 - 316 SST	316 SST	316 SST	316 SST	316 SST	1 - 0.1 - 3.5 bar (2 - 50 PSIG)			
	9 - Monel	Elgiloy®	Elgiloy®	PFA	Monel	2 - 0.1 - 7 bar (2 - 100 PSIG) 3 - 0.2 - 10 bar (3 - 150 PSIG) 4 - 0.2 - 17 bar (3 - 250 PSIG)			

For more information on **Repair Kits, Accessories & Modifications** please consult TESCOM EUROPE.



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1014-01-07 Subject to technical changes

