

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure	3000 psig / 207 bar
Outlet Pressure Ranges	0-25, 0-50, 0-100 and 0-150 psig 0-1.7, 0-3.4, 0-6.9 and 0-10.3 bar
Design Proof Pressure	150% maximum rated
Leakage	Internal: Bubble-tight External: Design to meet $< 2 \times 10^{-8}$ atm cc/sec He
Operating Temperature	-40°F to 140°F / -40°C to 60°C
Flow Capacity	$C_v = 0.05$
Maximum Operating Torque	30 inch-lbs / 3.4 N·m
Decaying Inlet Characteristic	0.06 change / 100 psig inlet 0.004 change / 6.9 bar inlet

MEDIA CONTACT MATERIALS

Body	316 Stainless Steel
Bonnet	316 Stainless Steel
Diaphragm	316 Stainless Steel
Seat	CTFE (1st stage), PFA (2nd stage)
Friction Sleeves	Outer: 316 Stainless Steel Inner: PTFE
Remaining Parts	316 Stainless Steel

OTHER

Connections	1/4" NPTF
Cleaning	CGA 4.1 and ASTM G93
Weight (without gauges)	3 lbs / 1.4 kg



TESCOM PS-3400 Series is a compact high purity two-stage cylinder regulator with tied diaphragms for low flows of toxic, flammable and pyrophoric gases. Diffusion-resistant metal diaphragm seal ensures gas purity and integrity.

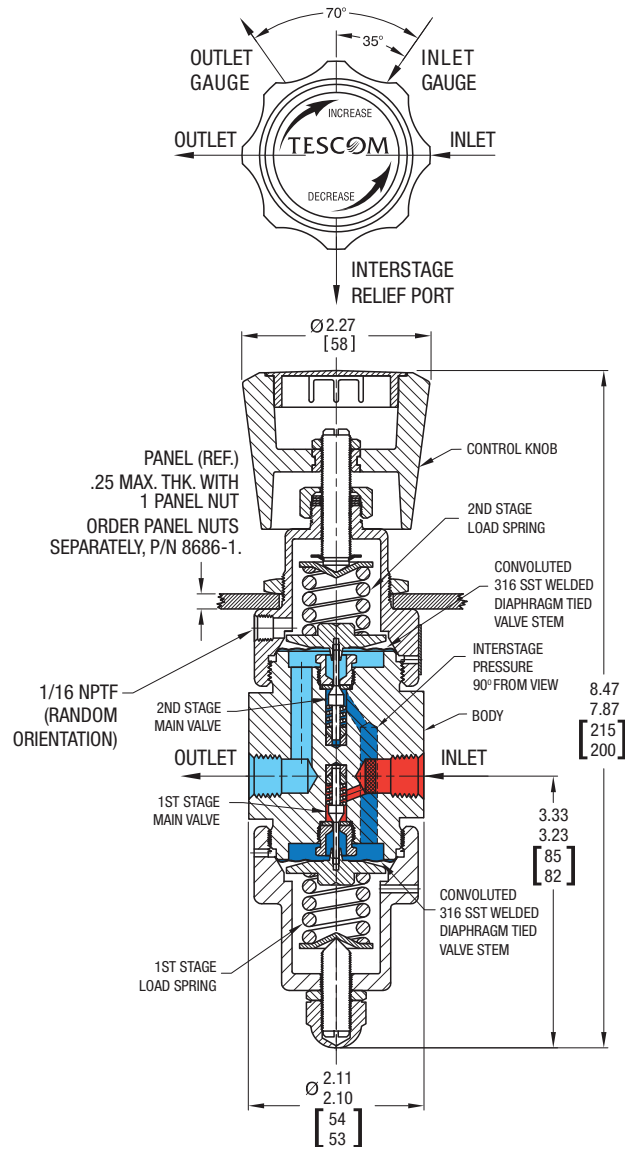
Application

- For toxic, corrosive and pyrophoric cylinder gases

Features and Benefits

- Excellent decaying inlet characteristic: 0.06/100 psig or 0.004/6.9 bar inlet change
- Positive seal design
- Captured bonnet ports
- Both diaphragms are convoluted for greater accuracy and sensitivity
- Metal-to-metal diaphragm to body seal to minimize diffusion
- Diaphragm-to-valve link enhances seat sealing integrity

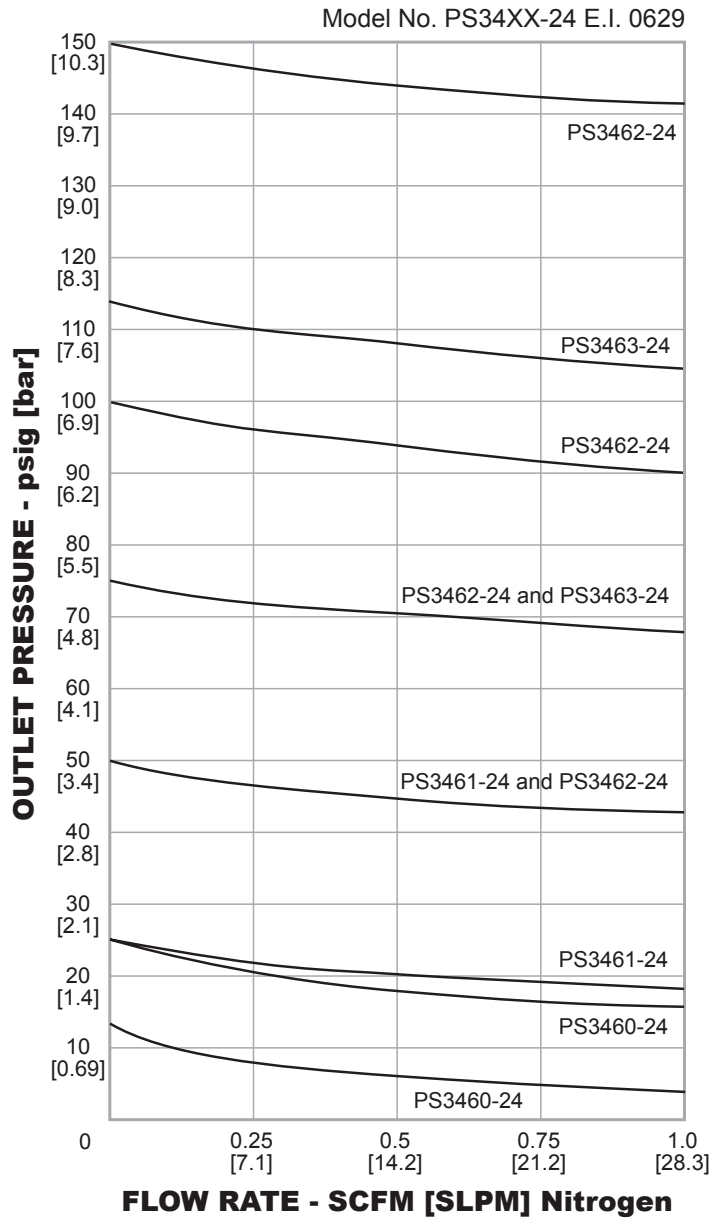
PS-3400 Series Regulator Drawing



All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets

PS-3400 Series Regulator Flow Chart

For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on www.tescom.com.



PS-3400 Series Regulator Part Number Selector

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

Example for selecting a part number:

PS34	6	0	-	2	4
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES		INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE
PS34	6 – 316 Stainless Steel	0 – 0-25 psig 0-1.7 bar 1 – 0-50 psig 0-3.4 bar 2 – 0-100 psig 0-6.9 bar 3 – 0-150 psig 0-10.3 bar		2 – NPTF	4 – 1/4"