Regulators - Pressure Reducing

DPH261977X012

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure
150 psig / 10.3 bar

Outlet Pressure Ranges
Spring (handknob)
0-10, 0-25, 0-50, 0-100, and 0-150 psig
0-0.69, 0-1.7, 0-3.4, 0-6.9, and 0-10.3 bar
Spring Bias and Dome
0-100 psi / 0-6.9 bar *(See Part Number Selector for more details)*

Design Proof Pressure
150% maximum rated

Leakage
Internal: Bubble-tight
External: designed to meet < 2 x 10^{-8} atm cc/sec He

Operating Temperature (media only)
Teflon® Seat: -40°F to 165°F / -40°C to 74°C
PEEK-OPTIMA® or PEEK-Classix® Seat: -40°F to 400°F / -40°C to 204°C

Flow Capacity
C_V = 0.02, 0.06, 0.15, and 0.24

MEDIA CONTACT MATERIALS

Body
316L Stainless Steel

Seat
PTFE or PEEK-OPTIMA®, PEEK-Classix®

Friction Sleeve
Inner: PTFE
Outer: 316 Stainless Steel

Valve Guide
316 Stainless Steel

Diaphragm
316 Stainless Steel

Seat Retainer
Nitronic 60

Remaining Parts
316 Stainless Steel

OTHER

Connections
Sanitary Fittings
Tube Ends
High Purity Internal Connections (H.P.I.C.) (gauge port only)

Cleaning
CGA 4.1 and ASTM G93, Clean Service Certificate of Conformance available

Weight (approximately)
2.0 lbs / 0.9 kg

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.
PEEK-OPTIMA® is a registered trademark of Invibio Ltd.
PEEK-Classix® is a registered trademark of Invibio Ltd.

TESCOM PH-2600 Series is part of our Pharmpure™ product line. This high purity single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for specialty, corrosive, and pyrophoric applications. This regulator offers gas flows of <10 SCFM / 283 SLPM. Diffusion-resistant metal diaphragm seal ensures gas purity and integrity.

Applications

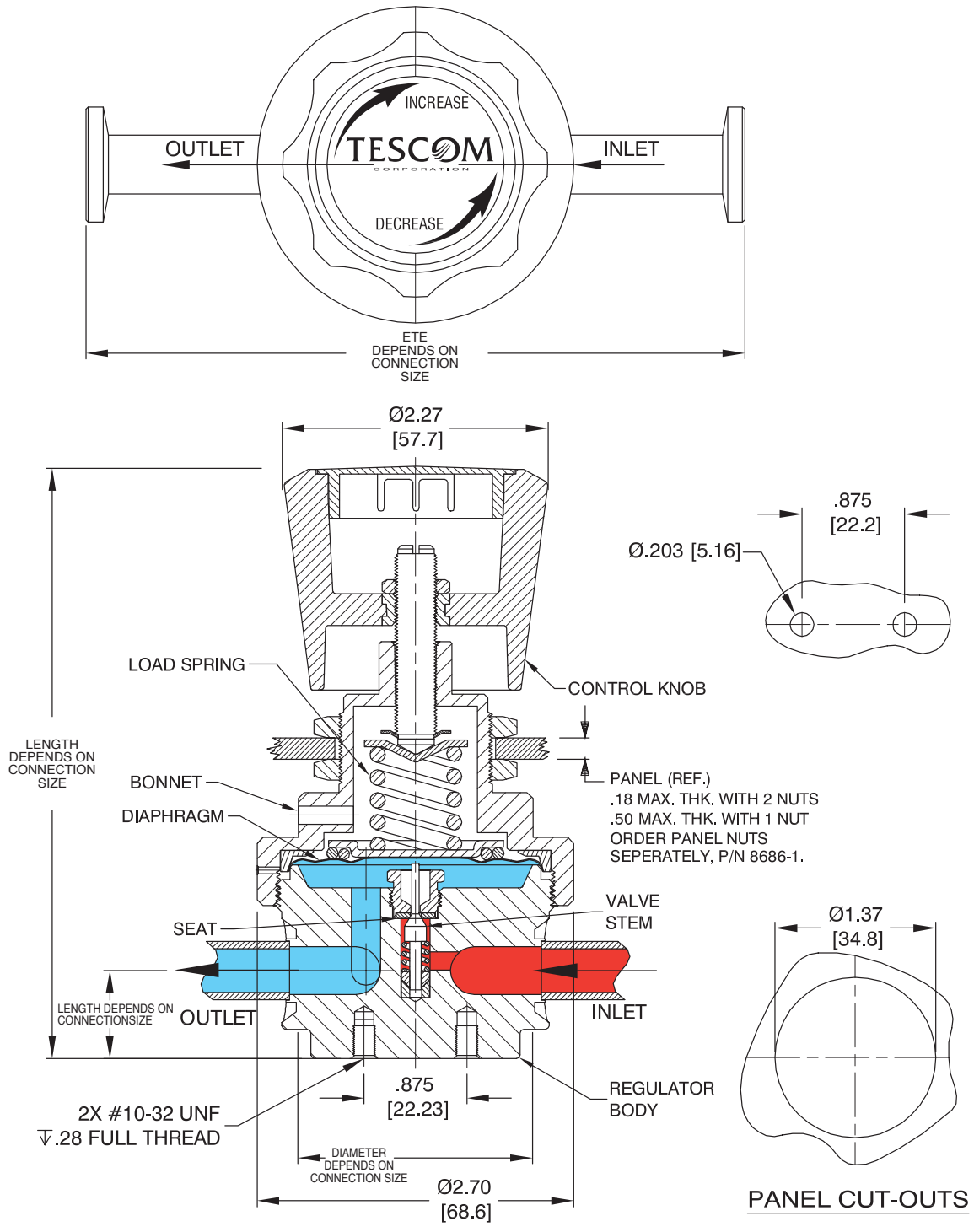
- Sparge gases
- Clean steam for sanitization
- Transfer panels
- Low flow specialty gas

Features and Benefits

- 316L Stainless Steel barstock regulator body design
- FDA/USP compliant designs are available
- Clean Service Certification of Compliance available: Includes actual material certification, weld records, and bill of materials
- 15 or 32 R_a microinch / 0.38 or 0.81 micrometer body surface finishes are available
- Precise pressure control
- Gauge port is available
- ASME BPE 2009 compliant design

PH-2600 SERIES

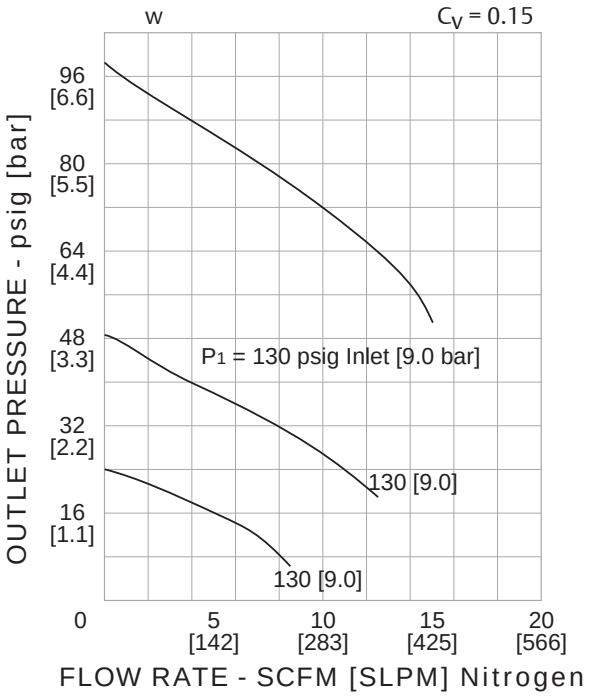
PH-2600 Series Regulator Drawing

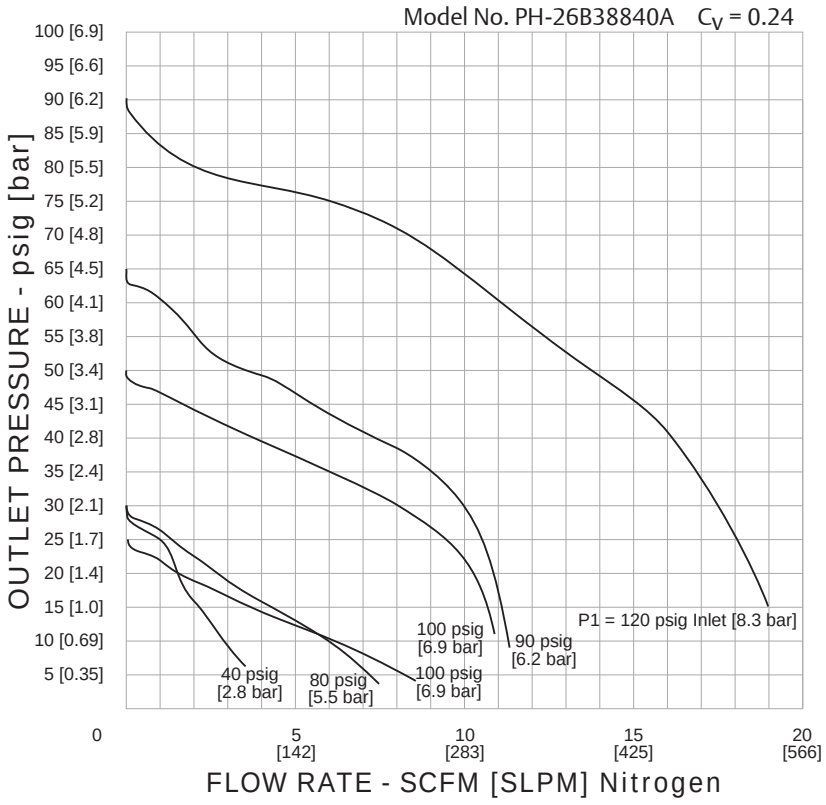


All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets

PH-2600 Series Regulator Flow Charts

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.



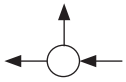


PH-2600 SERIES

PH-2600 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:

PH-26	A				1		8	8	2	0	B
BASIC SERIES	**BODY MATERIAL**	**BODY SURFACE FINISH**	**SEAT MATERIAL**	**VALVE SPRING**	**LOAD TYPE**	**OUTLET PRESSURE**	**INLET AND OUTLET PORT TYPE**	**INLET AND OUTLET PORT SIZE WALL THICKNESS**	**FLOW CAPACITY**	**GAUGE PORT OPTIONS**	**CERTIFICATE OF CONFORMANCE**
PH-26	**A** – 316L Stainless Steel	15 R_a	PTFE	316 Stainless Steel	**0** – Spring	0-10 psig 0-0.69 bar	**8** – Sanitary	**6** – 3/8" (Tube Only) 0.375" OD x 0.035" wall	**0** – C_V = 0.02	**0** – No gauge ports 	**A** – None
	B – 316L Stainless Steel	15 R_a	PTFE	Cobalt Chrome Nickel Alloy (Eligiloy®)	**1** – Spring	0-25 psig 0-1.7 bar	**9** – Tube	**8** – 1/2" 0.500" OD x 0.065" wall	**1** – C_V = 0.06		**B** – Clean Service Certification
	C – 316L Stainless Steel	32 R_a	PTFE	316 Stainless Steel	**2** – Spring	0-50 psig 0-3.4 bar			**2** – C_V = 0.15	**2** – One 1/4" HPIC outlet gauge port at 90° 	
	D – 316L Stainless Steel	32 R_a	PEEK	Cobalt Chrome Nickel Alloy (Eligiloy®)	**3** – Spring	0-100 psig 0-6.9 bar			**4** – C_V = 0.24		
					4 – Spring Bias 0-50 psig / 0-3.4 bar Spring Bias Pressure	0-100 psig 0-6.9 bar					
					5 – Spring Bias 0-100 psig / 0-6.9 bar Spring Bias Pressure	0-100 psig 0-6.9 bar					
					6 – Dome	0-100 psig 0-6.9 bar					