

26-1700 Series Regulators - Relief / Backpressure

D26170543X012

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure

10,000 psig / 689 bar

Controlled Pressure Ranges

5-500, 5-800, 10-1500, 15-2500, 25-4000, 50-6000,
and 200-10,000 psig

0.35-34.5, 0.35-55.2, 0.69-103, 1.03-172, 1.72-276, 3.45-414,
and 13.8-689 bar

Design Proof Pressure

150% maximum rated

Leakage

Bubble-tight

Operating Temperature

-40°F to 165°F / -40°C to 74°C

Flow Capacity

$C_v = 0.10$ (26-17X1 through 26-17X4)

$C_v = 0.14$ (26-17X5 through 26-17X7)

Maximum Operating Torque

40 in-lbs / 4.5 N•m



TESCOM 26-1700 Series regulator controls pressures up to 15,000 psig / 1034 bar and is suitable for gas or liquid service.

MEDIA CONTACT MATERIALS

Back-up Ring

Teflon®

Body

316 Stainless Steel

O-Rings

Buna-N

Seal

CTFE

Seat

CTFE (26-17X1 through 26-17X4)

Teflon® (26-17X5 through 26-17X7)

Trim

300 Series Stainless Steel

Remaining Parts

300 Series Stainless Steel

OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight

5 lbs / 2.2 kg

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

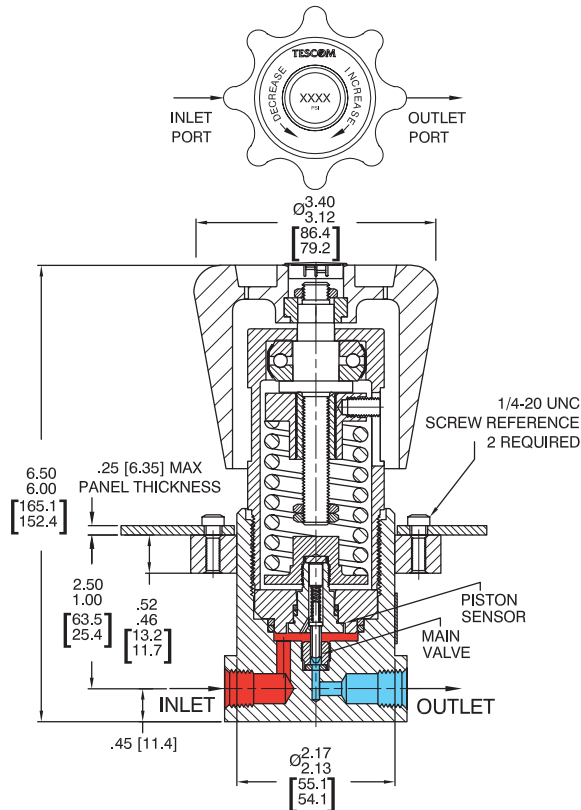
Applications

- Pump discharge pressure control
- Reactor pressure control
- Over-pressurization relief

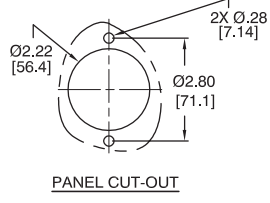
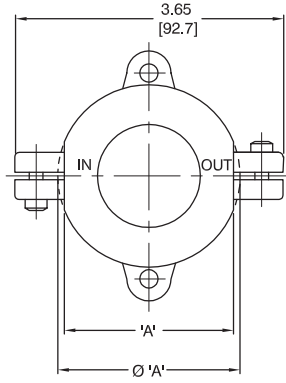
Features and Benefits

- Accuracy: $\pm 1\%$ of central pressure range
- NACE Compatible design available
- Wide range of applications due to:
 - Seven different control pressure ranges
 - 200-15,000 psig / 13.8-1034 bar control is optional
 - High flow $C_v = 0.60$ and low flow $C_v = 0.02$ models are available
- Bubble-tight shut-off at all reseal pressures
- Safe and reliable piston-style sensor
- Panel mounting is standard
- Compatible with TESCOM Air Actuators and ER5000 Electropneumatic Controllers

26-1700 Series Regulator Drawing



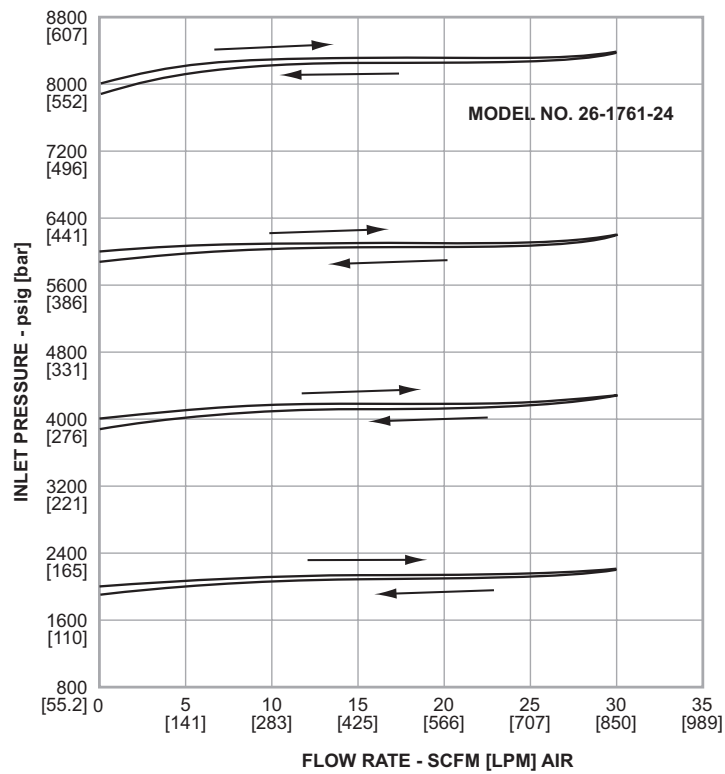
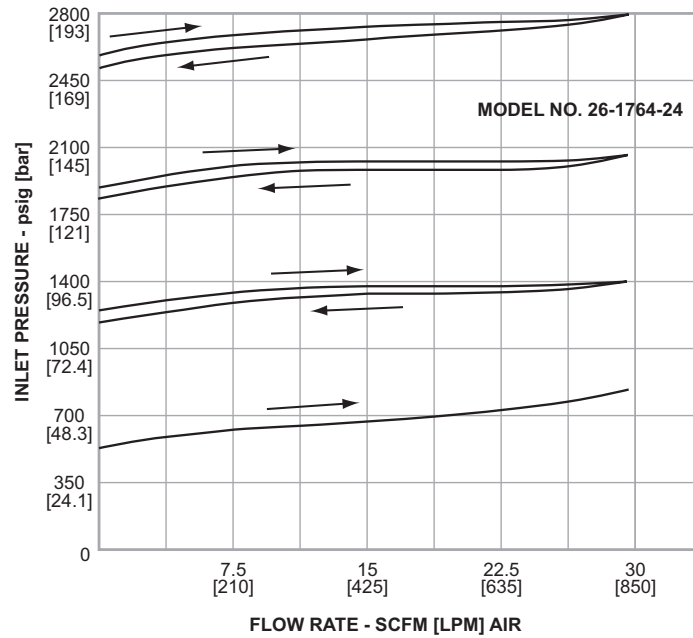
INLET AND OUTLET PORT	*A*
1/4 EXCEPT NPTF	2.30
1/4 AND 3/8 NPTF	Ø 2.48
3/8 MEDIUM AND HIGH PRESSURE	3.08
1/2 NPTF	3.33



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

26-1700 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.



26-1700 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:

26-17 6 4 - 2 4 [BLANK]

BASIC SERIES	BODY AND BONNET MATERIAL	CONTROLLED PRESSURE RANGES	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	OPTIONS (ADDITIONAL TO STANDARD AS MODIFICATION)
26-17	6 – 316 Stainless Steel	1 – 200-10,000 psig 13.8-689 bar 2 – 50-6000 psig 3.45-414 bar 3 – 25-4000 psig 1.72-276 bar 4 – 15-2500 psig 1.03-172 bar 5 – 10-1500 psig 0.69-103 bar 6 – 5-800 psig 0.35-55.2 bar 7 – 5-500 psig 0.35-34.5 bar	1 – SAE 2 – NPTF 3 – MS33649 4 – High Pressure 6 – Medium Pressure	2 – 1/8" 4 – 1/4" 6 – 3/8" 8 – 1/2**	[BLANK] – No modification - 065 – 316 Stainless Steel Wetted - 099 – 200-15,000 psig / 13.8-1034 bar Control Range, C _V = 0.02 - 154 – C _V = 0.02 - 161 – Urethane O-Rings CO ₂ Service - 184 – C _V = 0.60, 5000 psig / 345 bar, 1/2" NPTF Ports

* Available for NPTF only.