TESCOM

44-1700 Series Regulators - Relief / Backpressure

D44171768X012

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS *Pressure rating per criteria of ANSI/ASME B31.3*

Pressure rating per criteria of ANSI/ASINE

Maximum Inlet Pressure 800 psig / 55.2 bar

Controlled Pressure Ranges 40-150, 40-300, 100-700, 100-800 psig 2.8-10.3, 2.8-20.7, 6.9-48.3, 6.9-55.2 bar

Design Proof Pressure 150% maximum rated

Leakage Bubble-tight

Operating Temperature

-15°F to 140°F / -26°C to 60°C

Flow Capacity $C_V = 0.10$

MEDIA CONTACT MATERIALS

Body

316 Stainless Steel or Brass Seat

CTFE

O-Ring Viton®

Back-up Ring Teflon®

Remaining Parts Stainless Model: 316 Stainless Steel Brass Model: Brass and 300 Series Stainless Steel

OTHER

CGA 4.1 and ASTM G93

Weight

2 lbs / 0.9 kg

Teflon® and Viton® are registered trademarks of E.I. du Pont de Nemours and Company.



TESCOM 44-1700 Series is a general purpose, compact backpressure regulator for control pressures up to 800 psig / 55.2 bar.

Application

• Industrial equipment for hydraulic or pneumatic service

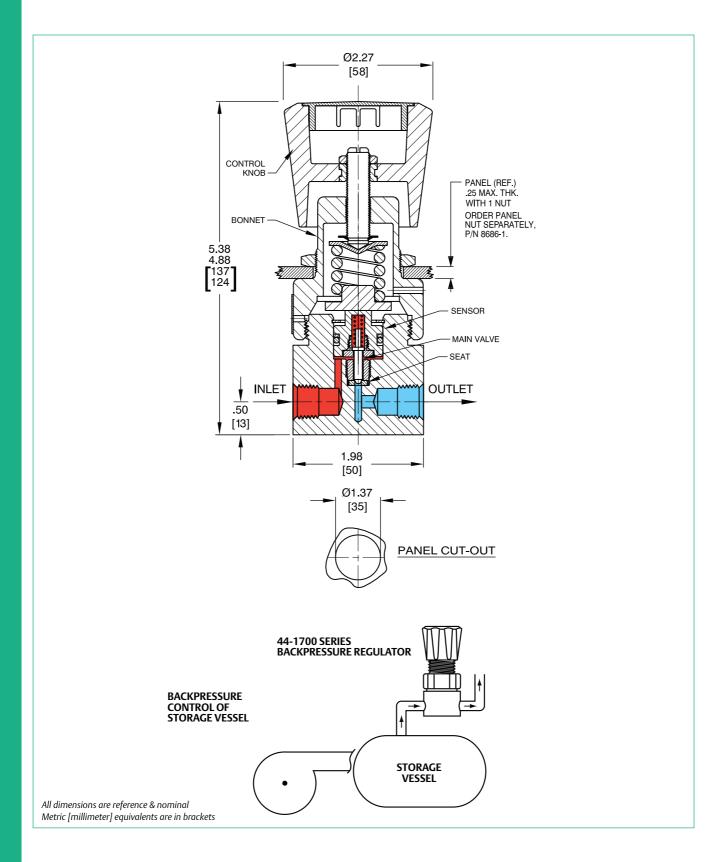
Features and Benefits

- Economical, compact design
- Piston sensed design is safe and reliable
- Available in a Stainless Steel or Brass design
- Optional gauge ports and panel mounting
- Flow capacity C_V = 0.10
- Low handknob torque for easy operation
- Bubble-tight shutoff at all reseating pressures



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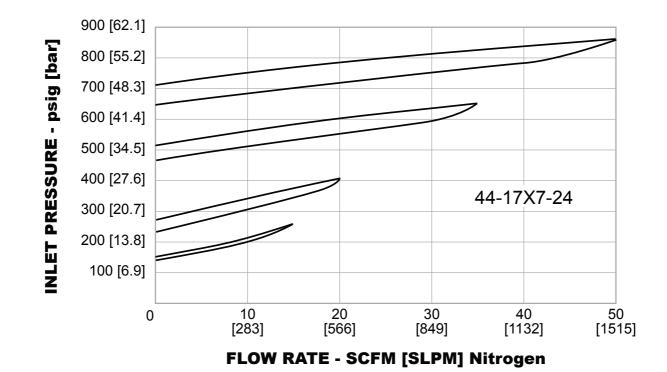
44-1700 Series Regulator Drawing





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44-1700 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.



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44-1700 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:

44-17	6	7	- 2	4
BASIC SERIES	BODY MATERIAL	INLET PRESSURE	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE
44-17	1 – Brass 6 – 316 Stainless Steel	 2 - 40-150 psig 2.8-10.3 bar 3 - 40-300 psig 2.8-20.7 bar 7 - 100-700 psig 6.9-48.3 bar 8 - 100-800 psig 6.9-55.2 bar 	2 – NPTF	4 - 1/4*

