

General Purpose/Back Pressure

four control pressure ranges up to 800 PSIG
economical/sensitive/compact

44-1700 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
maximum rated inlet pressure 800 PSIG
controlled pressure ranges 40-150, 40-300,
100-700, 100-800 PSIG
design proof pressure 150% maximum
rated pressure
leakage bubble-tight
operating temperature -15° F to +165° F
(-25° C to +74° C)
flow capacity $C_V = .10$

❑ 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 & 300 Series Stainless Steel

For other materials and modifications, please consult Tescom.

❑ Cleaning CGA 4.1 and ASTM G93

❑ Weight (without gauges) 2 lbs. (.9 kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

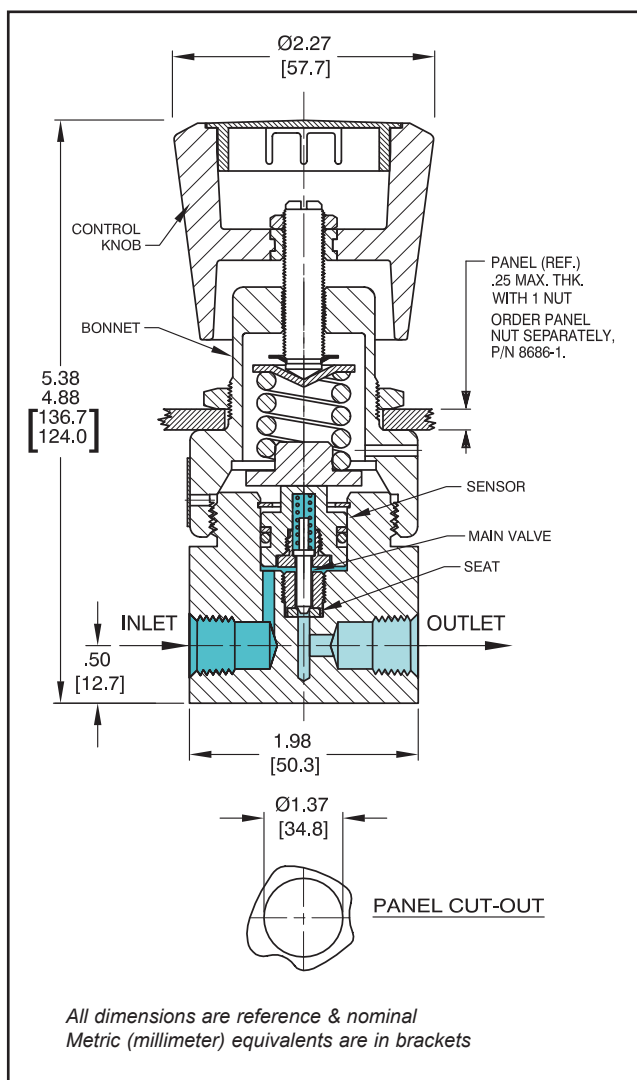
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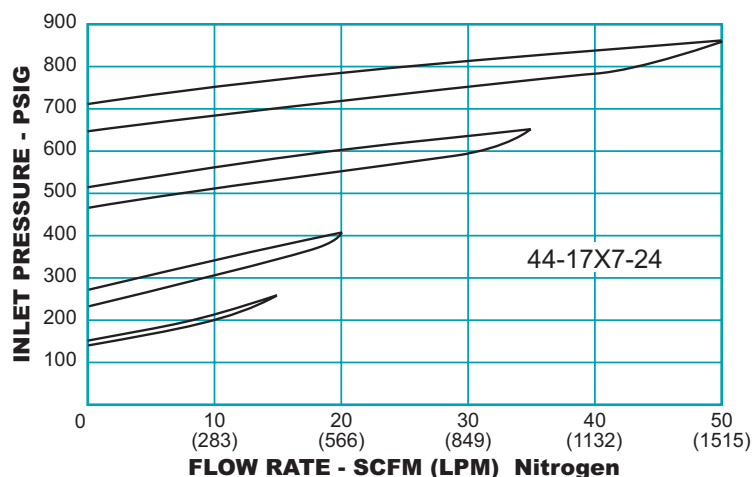
Advantages

- Economical, compact design
- Piston sensed design is safe, reliable
- Choice of stainless steel or brass construction
- Optional gauge ports and panel mounting
- Flow capacity $C_V = .10$
- Low hand knob torque
- Bubble-tight shut-off at all reseating pressures

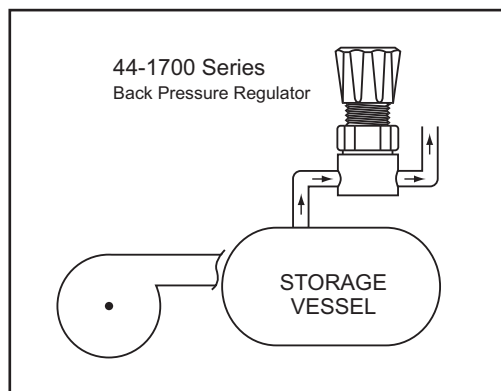
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Flow Chart



Vessel Mounting



Part Number Selector

example part number:

44-17 6 7 - 2 4

| BASIC SERIES | BODY MATERIAL | INLET PRESSURE | INLET & OUTLET PORT TYPE | INLET & OUTLET PORT SIZE |
|--------------|--|--|--------------------------|--------------------------|
| 44-17 | 1 – Brass 6 – 316 Stainless Steel | 2 – 40-150 PSIG 3 – 40-300 PSIG 7 – 100-700 PSIG 8 – 100-800 PSIG | 2 – NPT | 4 – 1/4" |

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



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the *Tescom Safety, Installation & Operation Precautions*.

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