

Self-Venting/Non-Venting

maximum 3500 PSIG in / 25 - 600 PSIG out
spring loaded / hand operated / piston sensed
pressure reducing

44-5200 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
maximum rated inlet pressure . . . 400 and 3500 PSIG
outlet pressure range 25, 50, 100, 250,
500 and 600 PSIG
design proof pressure 150% of maximum
rated pressure
operating temperature¹ -15° F to +200° F
(-26° C to +93° C)
flow capacity $C_v = .06$ and $.15$
maximum operating torque . . . 30 lbs.-in. (3.4 Nm)

¹ For extended temperatures from -40°F to +400°F, consult TESCO.

❑ Media Contact Materials

body 316 Stainless Steel or brass
bonnet 300 Series Stainless Steel or brass
piston 316 Stainless Steel or brass
seats Vespel®
o-ring Viton®
filter (40 micron) 316 Stainless Steel
remaining parts 300 Series Stainless Steel
and brass

For other materials and modifications, please consult TESCO.

❑ Cleaning CGA 4.1 and ASTM G93

❑ Connections 1/4" NPT inlet,
outlet and gauge ports

❑ Weight (without gauges) 2 lbs. (.91 kg)

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

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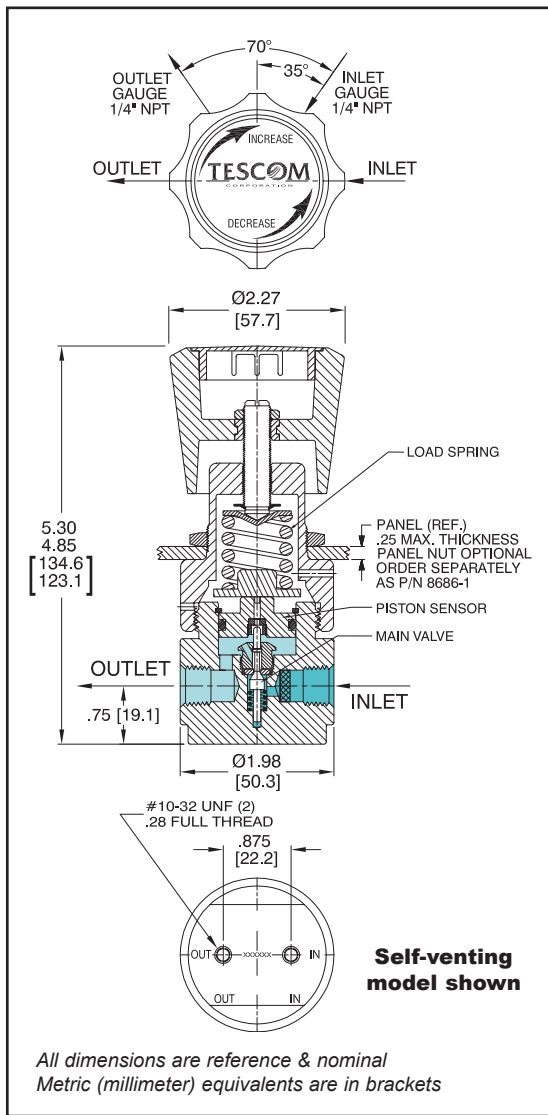


Advantages

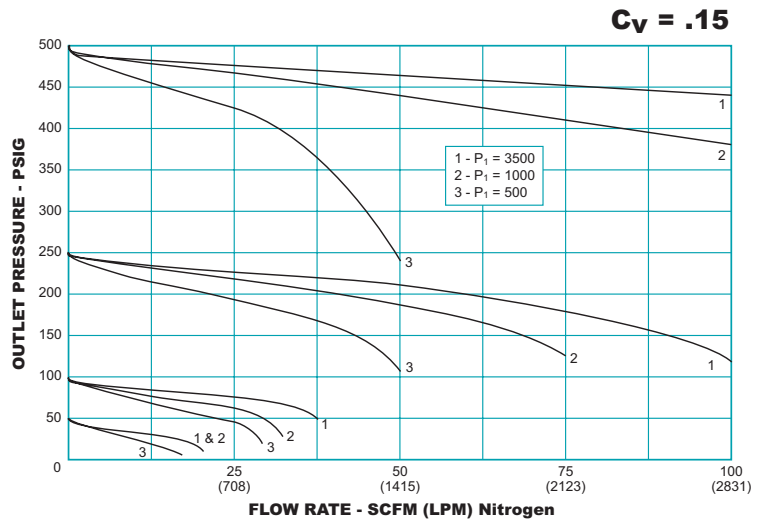
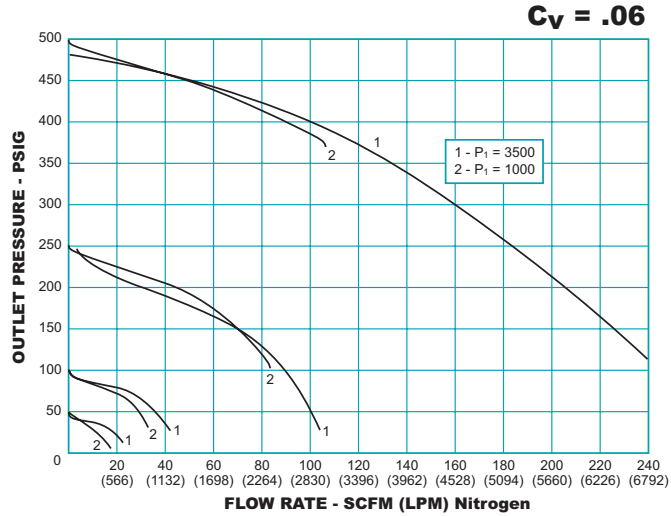
- Compact and economical
- For gas or liquid service
- Piston sensed for high reliability and long service life
- Standard version includes 1/4" NPT gauge ports
- Brass or Stainless Steel construction
- Adjustable stop limits maximum outlet pressure
- 6000 PSIG inlet available
- Self venting and captured self venting available

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Flow Charts



Part Number Selector

example part number:

44-52 1 5 - 2 4 3 V - SEE NUMBER BELOW

| BASIC SERIES | BODY MATERIAL | OUTLET PRESSURE | INLET & OUTLET PORT TYPE | PORT SIZE | INLET PRESSURE | FLOW CAPACITY | OPTIONAL SELF-VENTING | MODS |
|--------------|--|--|--------------------------|-----------------|---|---|-------------------------|---|
| 44-52 | 1 - Brass 6 - 316 Stainless Steel | 0 - 1-25 PSIG 1 - 1-50 PSIG 2 - 2-100 PSIG 3 - 2-250 PSIG 5 - 5-500 PSIG 6 - 5-600 PSIG | 2 - NPT | 4 - 1/4" | 1 - 3500 PSIG 2 - 400 PSIG 3 - 3500 PSIG | $C_v = .06$ $C_v = .15$ $C_v = .15$ | V - Self-venting | - 038 - Dome loaded - VA027 - Air loaded, self-venting |

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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For information contact:

TESCOM

TESCOM Industrial Controls

Tel: 800-447-1250 • 763-241-3238

Fax: 763-241-3224 • email: ic@tescom.com

12616 Industrial Boulevard • Elk River, MN 55330 USA

www.TESCOM.com

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