

**General Purpose/High Pressure**  
**maximum 6000 PSIG in/range of 0-2500 PSIG out**  
**reliable/economical/pressure reducing**

## 44-1800 Series

### Specifications

#### ❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3  
maximum rated inlet pressure . . . . . 6000 PSIG  
outlet pressure range. . . . . 0-2500 PSIG  
design proof pressure . . . . . 150% maximum  
rated pressure  
leakage . . . . . bubble-tight  
ambient operating and fluid media  
temperature . . -15°F to +165°F (-26°C to +74°C)  
flow capacity:  
non-venting . . . . .  $C_v = .06$   
self-venting . . . . .  $C_v = .15$   
maximum operating torque . . 25 in.-lbs. (2.26 Nm)

#### ❑ Media Contact Materials

body . . . . . brass or 316 Stainless Steel  
bonnet . . . . . brass, 300 Series Stainless Steel  
seat . . . . . Teflon®  
o-ring . . . . . Viton-A®  
back-up ring . . . . . Teflon®  
remaining parts:  
brass body . . brass and 300 Series Stainless Steel  
stainless body . . . . . 316 Stainless Steel

*For other materials and modifications, please consult Tescom.*

❑ Cleaning . . . . . CGA 4.1 and ASTM G93

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

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

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

*Teflon® and Viton-A® are registered trademarks of Du Pont.*



### Advantages

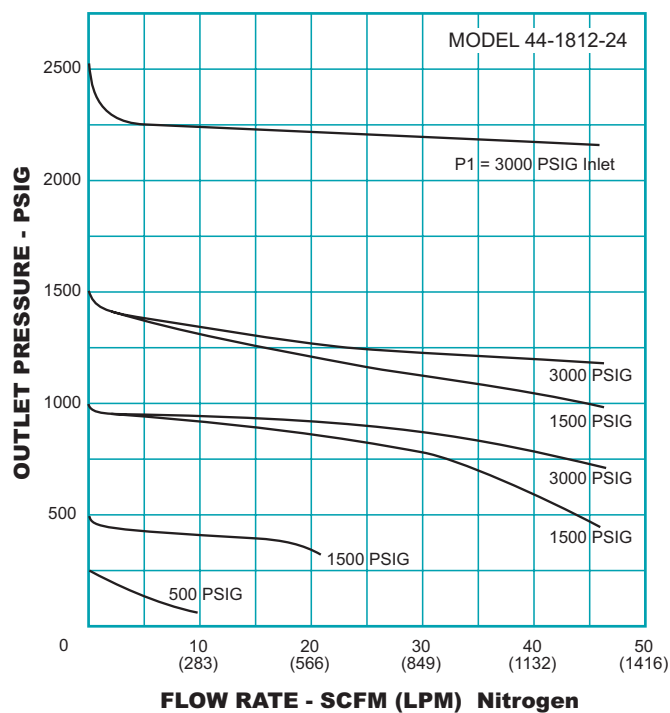
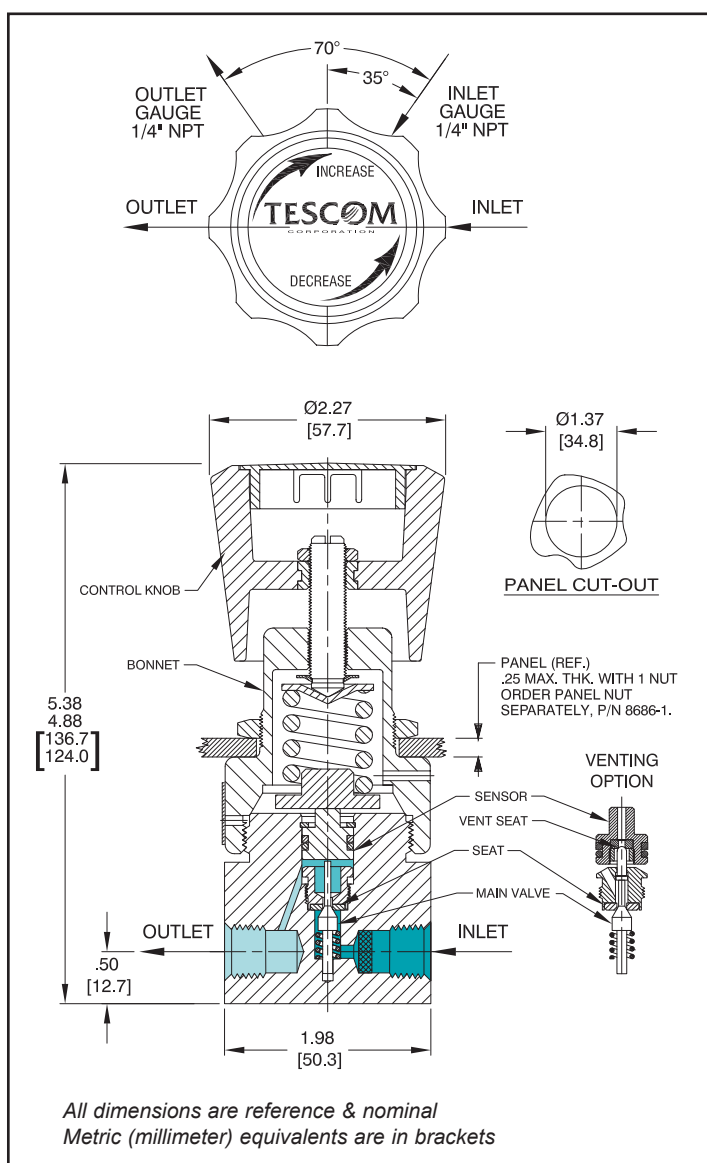
- Economical
- Compact
- Robust, piston sensed design
- Adjustable stop limits maximum outlet pressure
- Choice of stainless steel or brass construction
- Self-venting model available
- Available with a variety of porting and material options

**TESCOM**

  
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Process Management

D760026X012

## Flow Chart



## Part Number Selector

example part number:

44-18 1 2 - 2 4 V

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET AND OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	VENTING (OPTIONAL)
44-18	1 - Brass 2 - 303 Stainless Steel 6 - 316 Stainless Steel 9 - Monel	1 - 0 - 1500 PSIG 2 - 0 - 2500 PSIG	2 - NPT	4 - 1/4"	V - 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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Form No. 1678 Rev. 11/06 Printed 11/06 5M Printed in the U.S.A.

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