## 44-1800 Series

### Regulators - Pressure Reducing

D44181678X012

### **Specifications**

For other materials or modifications, please consult TESCOM.

### **OPERATING PARAMETERS**

Pressure rating per criteria of ANSI/ASME B31.3

#### **Maximum Inlet Pressure**

6000 psig / 414 bar

### **Outlet Pressure Range**

0-2500 psig / 0-172 bar

### **Design Proof Pressure**

150% maximum rated

### Leakage

**Bubble-tight** 

### **Ambient Operating and Fluid Media Temperature**

-15°F to 165°F / -26°C to 74°C

#### Flow Capacity

**Non-venting:**  $C_V = 0.06$  **Venting:**  $C_V = 0.15$ 

### **Maximum Operating Torque**

25 in-lbs / 2.8 N • m

### 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

### OTHER

### Cleaning

CGA 4.1 and ASTM G93

### Connections

1/4" NPTF inlet and outlet, inlet and outlet gauge ports

### Weight (without gauges)

2 lbs / 0.9 kg

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TESCOM 44-1800 Series piston sensed pressure reducing regulator is available in Brass or 316 Stainless Steel construction with outlet pressures up to 2500 psig / 172 bar.

### **Applications**

- General purpose test stands
- Industrial equipment

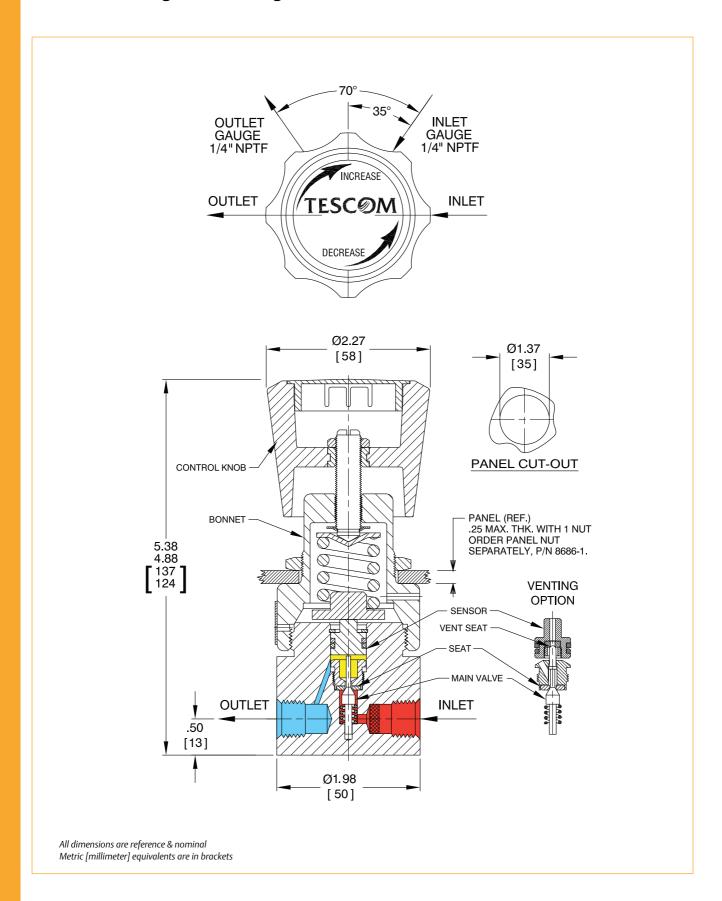
### **Features and Benefits**

- Economical
- · Compact design
- Piston sensed design is safe and reliable
- Adjustable stop limits maximum outlet pressure
- Choice of Stainless Steel or Brass construction
- Venting model is available
- Available with a variety of porting and material options



## **TESCOM**

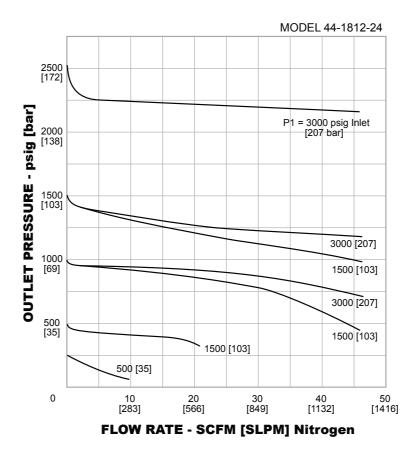
## 44-1800 Series Regulator Drawing





## 44-1800 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.







# 44-1800 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:

44-18	1	2	- 2	4	V
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	VENTING (OPTIONAL)
44-18	<ul><li>1 – Brass</li><li>2 – 303 Stainless Steel</li><li>6 – 316 Stainless Steel</li><li>9 – Monel</li></ul>	<b>1</b> – 0-1500 psig / 0-103 bar <b>2</b> – 0-2500 psig / 0-172 bar	<b>2</b> – NPTF	<b>4</b> – 1/4"	<b>V</b> – Venting

