



## 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

##### 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<sub>v</sub> = 0.10



#### MEDIA CONTACT MATERIALS

##### Body

316 Stainless Steel or Brass

##### Seat

PCTFE

##### O-Ring

FKM (Viton®-A)

##### Back-up Ring

PTFE

##### Remaining Parts

**Stainless Model:** 316 Stainless Steel

**Brass Model:** Brass and 300 Series Stainless Steel

#### OTHER

##### Cleaning

CGA 4.1 and ASTM G93

##### Weight

2 lbs / 0.9 kg

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

### Application

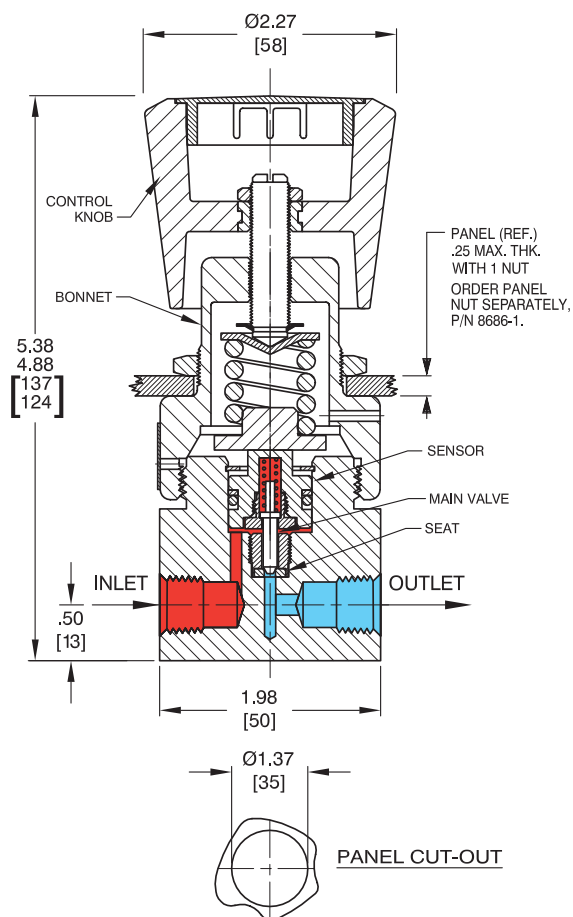
- Industrial equipment for hydraulic or pneumatic service

### 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<sub>v</sub> = 0.10
- Low handknob torque for easy operation
- Bubble-tight shutoff at all reseating pressures

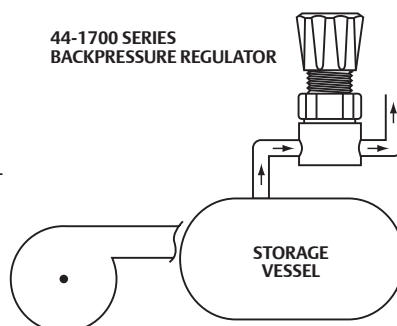
## 44-1700 SERIES

### 44-1700 Series Regulator Drawing



**44-1700 SERIES  
BACKPRESSURE REGULATOR**

**BACKPRESSURE  
CONTROL OF  
STORAGE VESSEL**



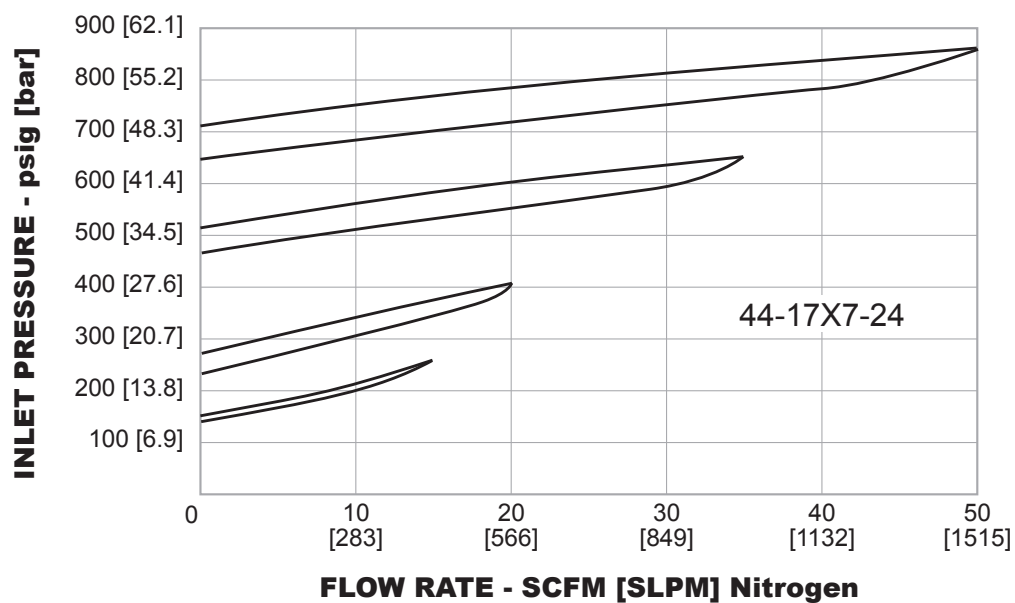
*All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets*



## 44-1700 SERIES

### 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](http://www.tescom.com).



## 44-1700 SERIES

### 44-1700 Series Regulator Part Number Selector



#### Learn more about common options.

For modifications, repair kits and accessories, contact factory.

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<br>6 – 316 Stainless Steel | 2 – 40-150 psig<br>2.8-10.3 bar<br><br>3 – 40-300 psig<br>2.8-20.7 bar<br><br>7 – 100-700 psig<br>6.9-48.3 bar<br><br>8 – 100-800 psig<br>6.9-55.2 bar | 2 – NPTF                   | 4 – 1/4"                   |   |