

# 44-5500 Series

## Regulators - Relief / Backpressure

D44551997X012

### Specifications

For other materials or modifications, please consult TESCOM.

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

##### Controlled Pressure Ranges

0-50, 0-100, 0-300 psig  
0-3.4, 0-6.9, 0-20.7 bar

##### Design Proof Pressure

150% maximum rated

##### Leakage

Bubble-tight

##### Ambient Operating Temperature

-15°F to 200°F / -26°C to 93°C

##### Flow Capacity

$C_v = 0.3$

#### MEDIA CONTACT MATERIALS

##### Body

316 Stainless Steel or Brass

##### Seat Retainer

PEEK

##### O-Ring

Viton®, Kalrez®

##### Remaining Parts

**Stainless Model:** Stainless Steel

**Brass Model:** Brass

#### OTHER

##### Cleaning

CGA 4.1 and ASTM G93

##### Weight (without gauges)

2 lbs / 0.9 kg

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TESCOM 44-5500 Series general purpose, compact backpressure regulator controls pressures up to 300 psig / 20.7 bar and is suitable for gas or liquid service.

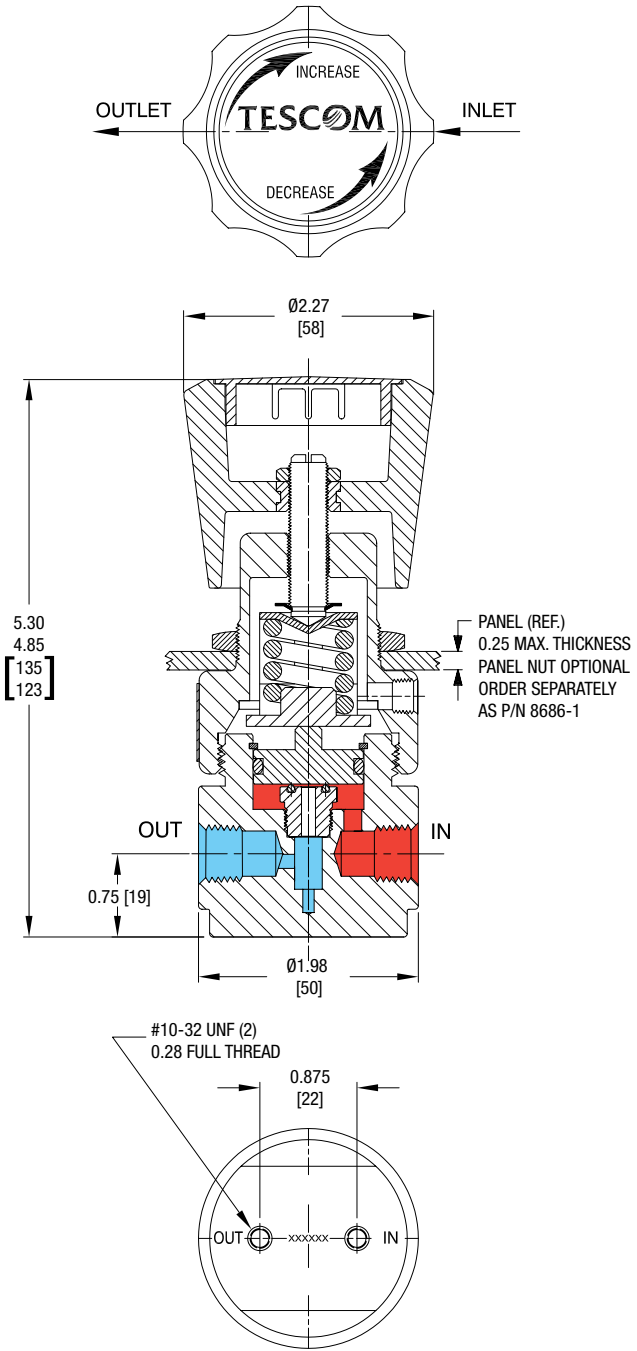
### Applications

- General purpose
- Industrial equipment for hydraulic or pneumatic service
- Backpressure pump control

### Features and Benefits

- Economical, compact design
- Piston sensed design is safe and reliable
- Choice of Stainless Steel or Brass construction
- $C_v = 0.3$
- Low handknob torque
- Bubble-tight shutoff at all reseating pressures
- Panel mounting is standard
- Optional gauge ports

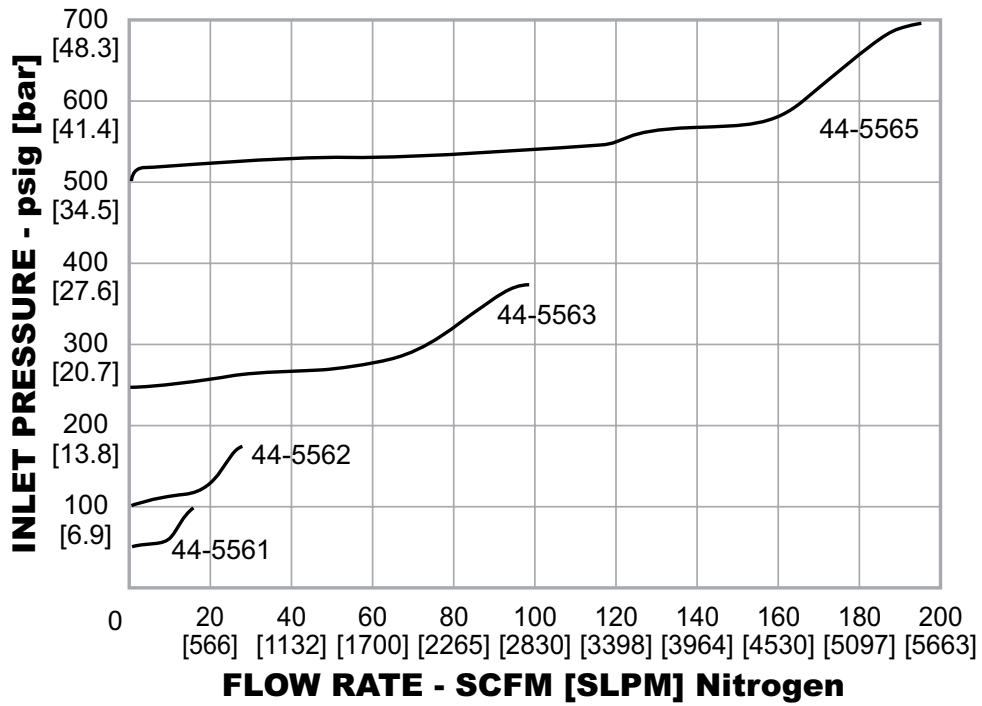
44-5500 Series Regulator Drawing



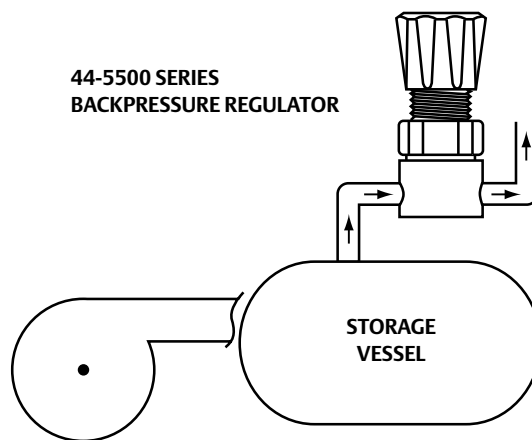
All dimensions are reference & nominal  
 Metric [millimeter] equivalents are in brackets

### 44-5500 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).



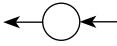
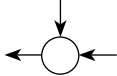
### 44-5500 Series Vessel Mounting



## 44-5500 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:

| 44-55        | 6                                    | 2   | V                         | 2                          | 4                          | A  |
|--------------|--------------------------------------|---|---------------------------|----------------------------|----------------------------|--|
| BASIC SERIES | BODY MATERIAL                        | CONTROLLED PRESSURE RANGES  | O-RING MATERIAL           | INLET AND OUTLET PORT TYPE | INLET AND OUTLET PORT SIZE | GAUGE PORT OPTIONS   |
| 44-55        | 1 – Brass<br>6 – 316 Stainless Steel | 1 – 0-50 psig<br>0-3.4 bar<br>2 – 0-100 psig<br>0-6.9 bar<br>3 – 0-300 psig<br>0-20.7 bar | T – Viton®<br>K – Kalrez® | 2 – NPTF                   | 4 – 1/4"                   | A – No gauge ports<br><br>F – 1 inlet gauge at 90°<br> |



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

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