

## 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

FKM (Viton®-A), FFKM, Perfluoroelastomer (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

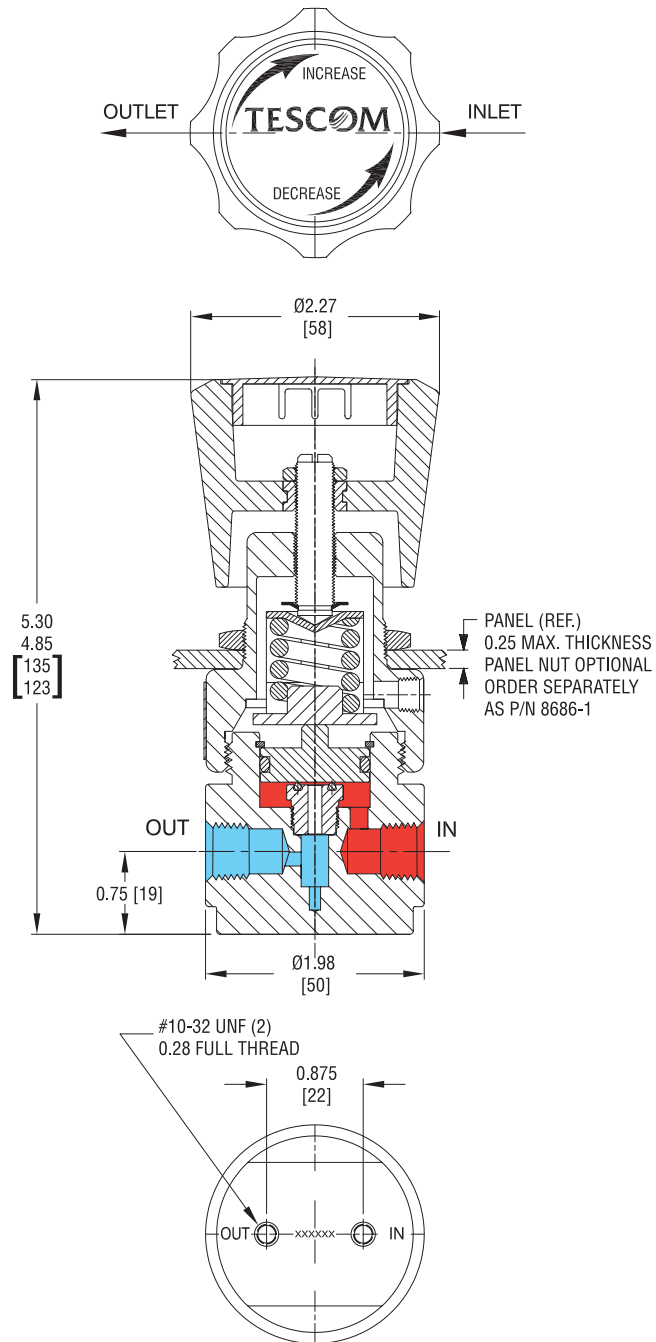
- General purpose
- Industrial equipment for hydraulic or pneumatic service
- Backpressure pump control

## 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

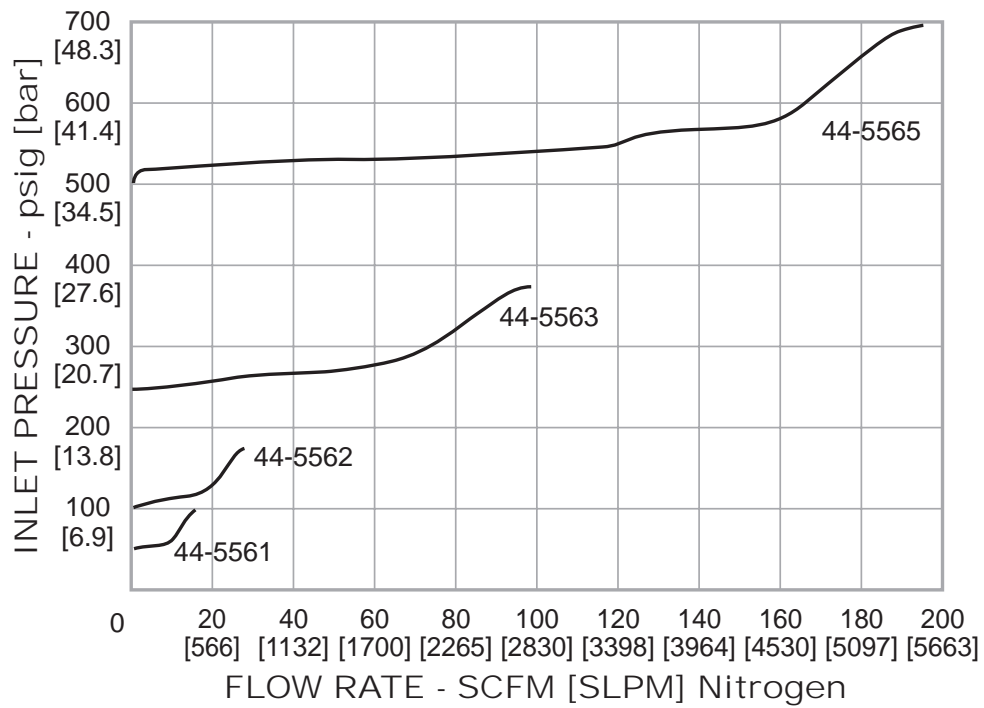
## 44-5500 Series Regulator Drawing



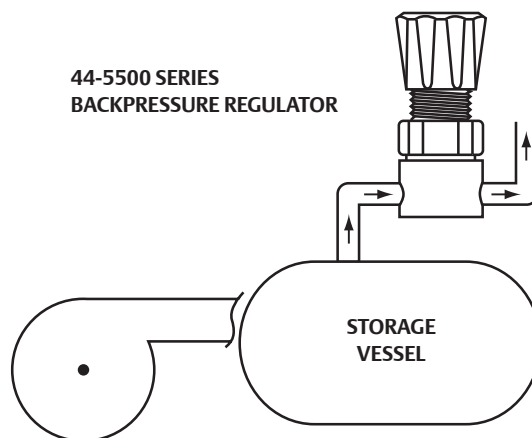
All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

### 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 TESCO catalog or on [www.tescom.com](http://www.tescom.com).



### 44-5500 Series Vessel Mounting




# 44-5500 SERIES

## 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 6 – 316 Stainless Steel	1 – 0-50 psig 0-3.4 bar 2 – 0-100 psig 0-6.9 bar 3 – 0-300 psig 0-20.7 bar	T – FKM (Viton®-A) K – FFKM, Perfluoroelastomer (Kalrez®)	2 – NPTF	4 – 1/4"	A – No gauge ports  F – 1 inlet gauge at 90° 