## 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

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

Viton® and Kalrez® are registered trademarks of E.I. du Pont Nemours and Company.



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**

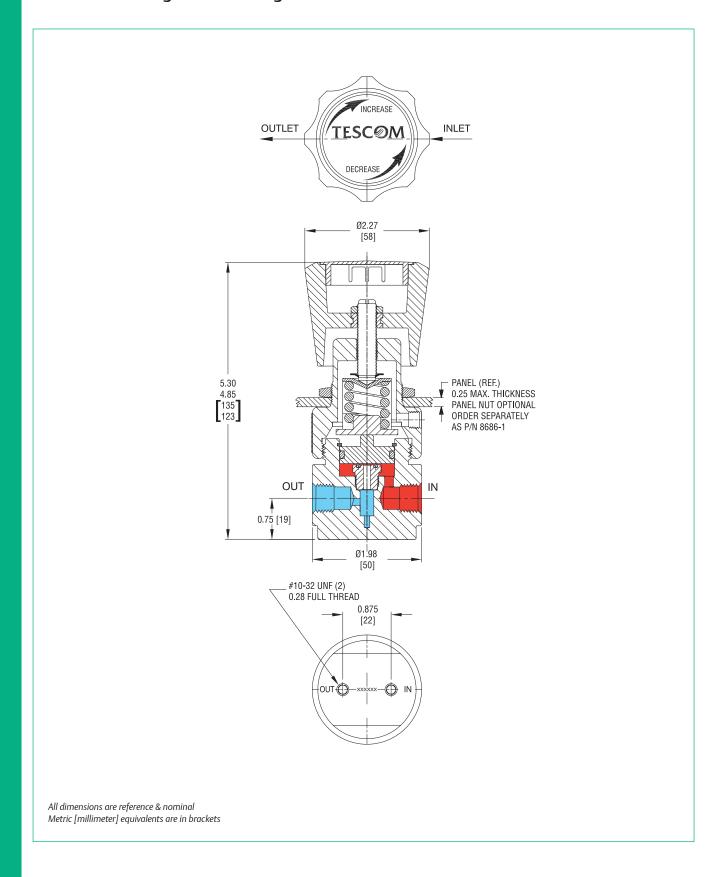
- General purpose
- Industrial equipment for hydraulic or pneumatic service
- Backpressure pump control

## **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

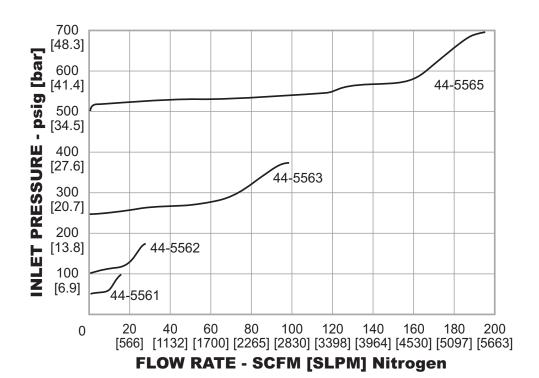
# 44-5500 Series Regulator Drawing



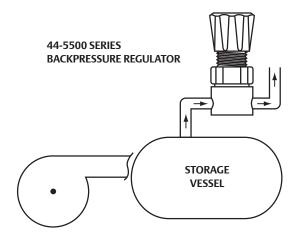


## 44-5500 Series Regulator Flow Chart

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.



# 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:

44-5	5 6	2	V	2	4	Α
BASI SERIE	RODVINALERIAL	CONTROLLED PRESSURE RANGES	O-RING MATERIAL	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	GAUGE PORT OPTIONS
44-5	5 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°