

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.

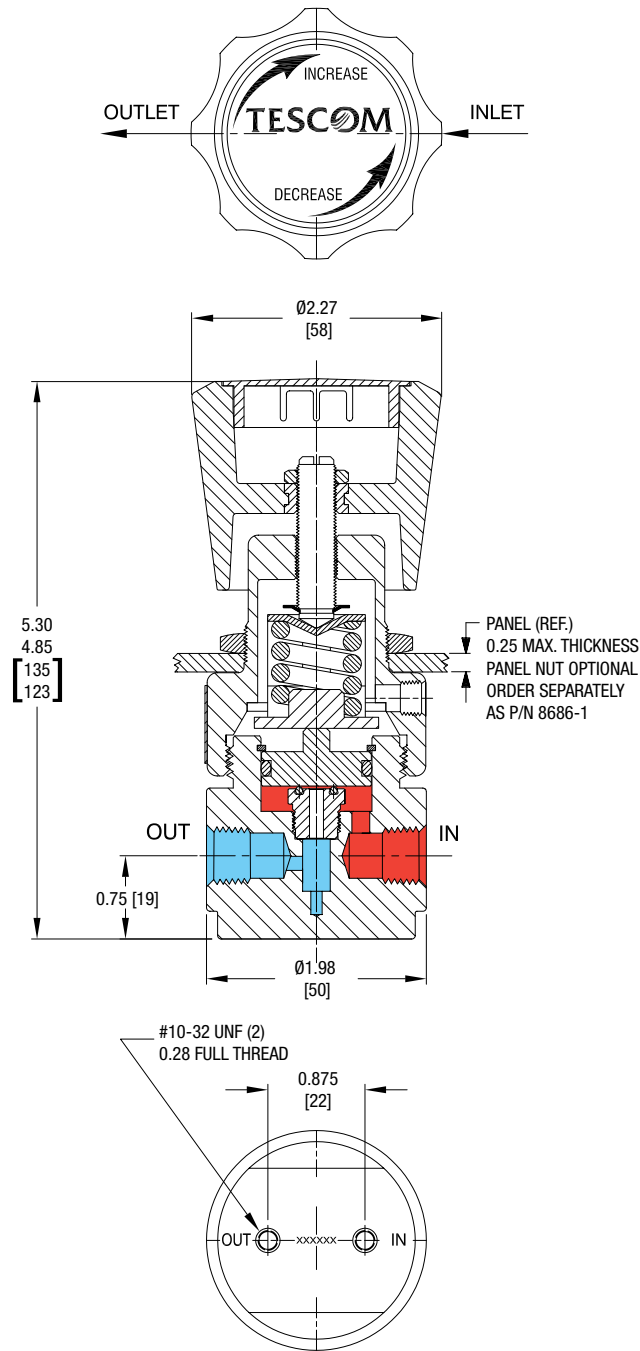
Applications

- 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

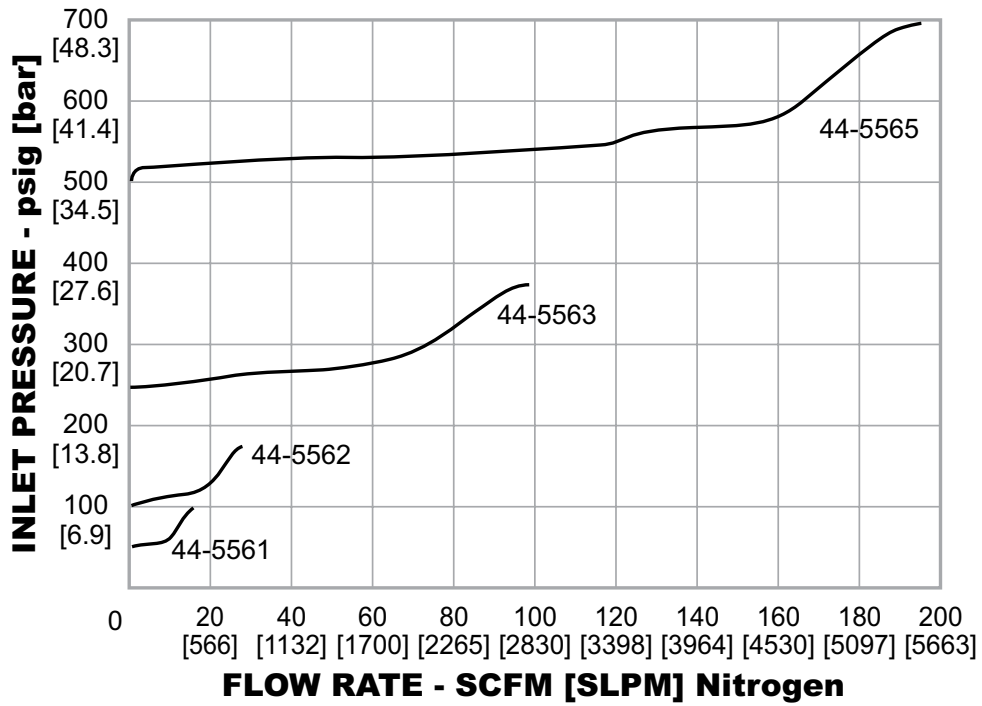
44-5500 Series Regulator Drawing



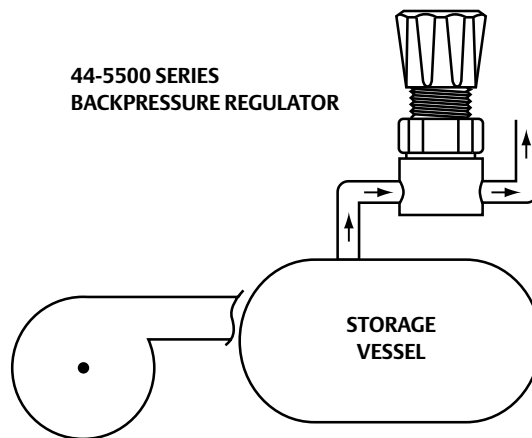
All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets

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.



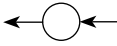
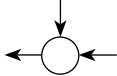
44-5500 Series Vessel Mounting



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 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 – Viton® K – Kalrez® | 2 – NPTF | 4 – 1/4" | A – No gauge ports  F – 1 inlet gauge at 90°  |



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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