

## 44-1100 Mod 834

Regulators - Pressure Reducing

D4411MOD83410146XEN2

**Specifications***For other materials or modifications, please consult TESCOM.***OPERATING PARAMETERS***Pressure rating per criteria of ANSI/ASME B31.3***Maximum Inlet Pressure**2900 psig / 200 bar  
4350 psig / 300 bar**Outlet Pressure Ranges**0-500, 0-800, 10-1500, 15-2500, 15-4350 psig  
0-34.5, 0-55.2, 0.69-103, 1.0-172, 1.0-300 bar**Design Proof Pressure**

150% maximum rated

**Leakage**

Bubble-tight

**Operating Temperature**

-40°F to 165°F / -40°C to 74°C

**Flow Capacity** $C_v = 0.06$ **MEDIA CONTACT MATERIALS****Body**

Brass, 316 Stainless Steel

**Main Valve Seat**

Vespel®

**Seat Vent**

CTFE

**Filter**Bronze (Brass body)  
300 Series Stainless Steel (Stainless Steel body)**Back-up Rings**

Teflon®

**O-Rings**

Viton®

**Outlet Compression Fitting**

300 Series Stainless Steel

**Remaining Parts**

300 Series Stainless Steel

**OTHER****Weight**

4.75 lbs / 2.2 kg

*Teflon®, Vespel®, and Viton® are registered trademarks of E.I. du Pont de Nemours and Company.*

TESCOM 44-1100 Mod 834 cylinder regulator combines the proven regulator technology in a ready to use package.

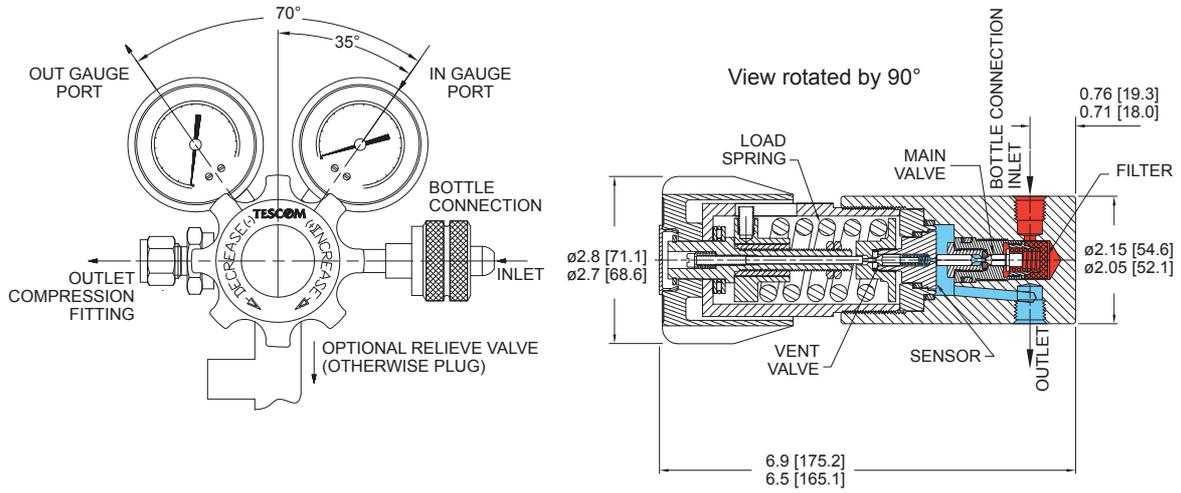
**Applications**

- High pressure test laboratory - Charging Carts
- Portable pressure testing

**Features and Benefits**

- Excellent sensitivity through a wide range of pressure settings
- Various inlet and outlet connections are available
- Captured relief valve is available for flammable or critical gases

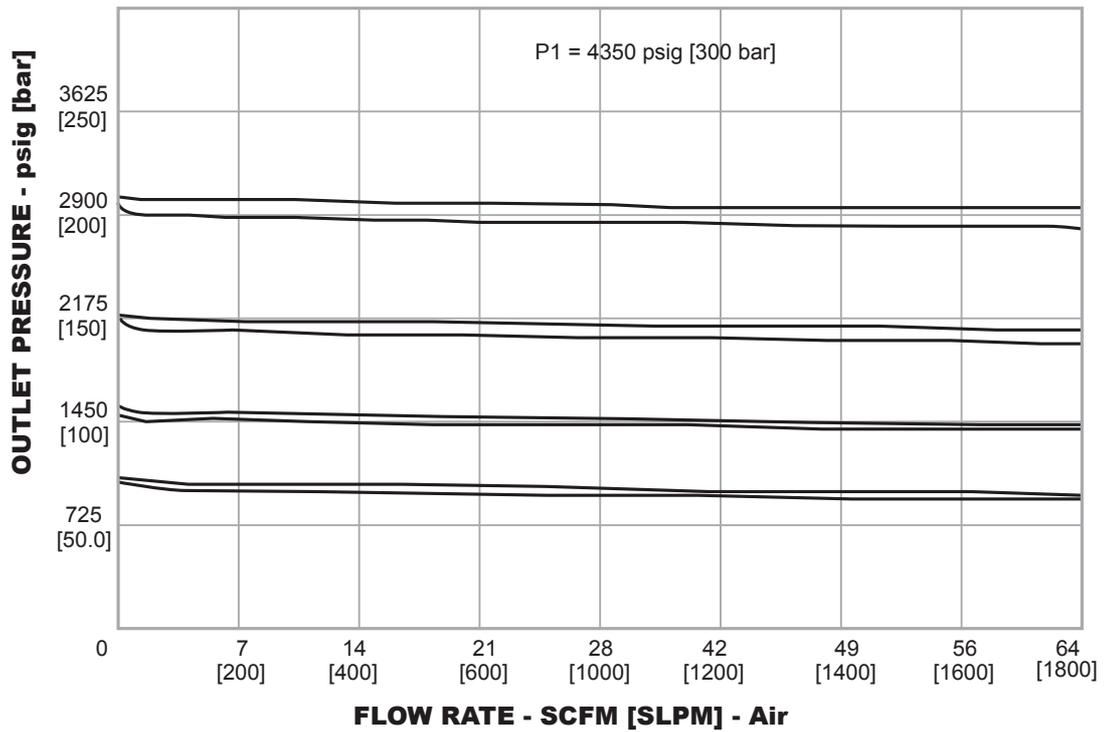
44-1100 Mod 834 Regulator Drawing



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

### 44-1100 Mod 834 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).



## 44-1100 Mod 834 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:

44-11	1	5	C	CA	V	3	3	834
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	NATIONAL STANDARD FOR BOTTLE CONNECTION	GAS TYPE	VENTING	INLET PRESSURES	OUTLET COMPRESSION FITTING	MODIFICATION NUMBER
44-11	1 – Brass 6 – 316 Stainless Steel	1 – 0-500 psig 0-34.5 bar 2 – 0-800 psig 0-55.2 bar 3 – 10-1500 psig 0.69-103 bar 4 – 15-2500 psig 1.0-172 bar 5 – 15-4350 psig 1.0-300 bar	1 – DIN 477-1 5 – DIN 477-5 C – CGA V1	<b>N2</b> – Nitrogen (N <sub>2</sub> ) <b>O2</b> – Oxygen (O <sub>2</sub> ) <b>FG</b> – Flammable gases (H, CH <sub>4</sub> , 2NH <sub>3</sub> ) <b>NG</b> – Non-flammable gases (Ar, He, Xe) <b>CA</b> – Compressed Industrial Air <b>CG</b> – Calibration gas	<b>R</b> – Relief valve <b>N</b> – Non-venting <b>V</b> – Venting (not available for Oxygen and flammable gases)	2 – 2900 psig 200 bar 3 – 4350 psig 300 bar	<b>0</b> – 1/4" NPTF (without fitting) <b>1</b> – 1/16" <b>2</b> – 1/8" <b>3</b> – 3 mm <b>4</b> – 1/4" <b>6</b> – 6 mm	834