

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

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

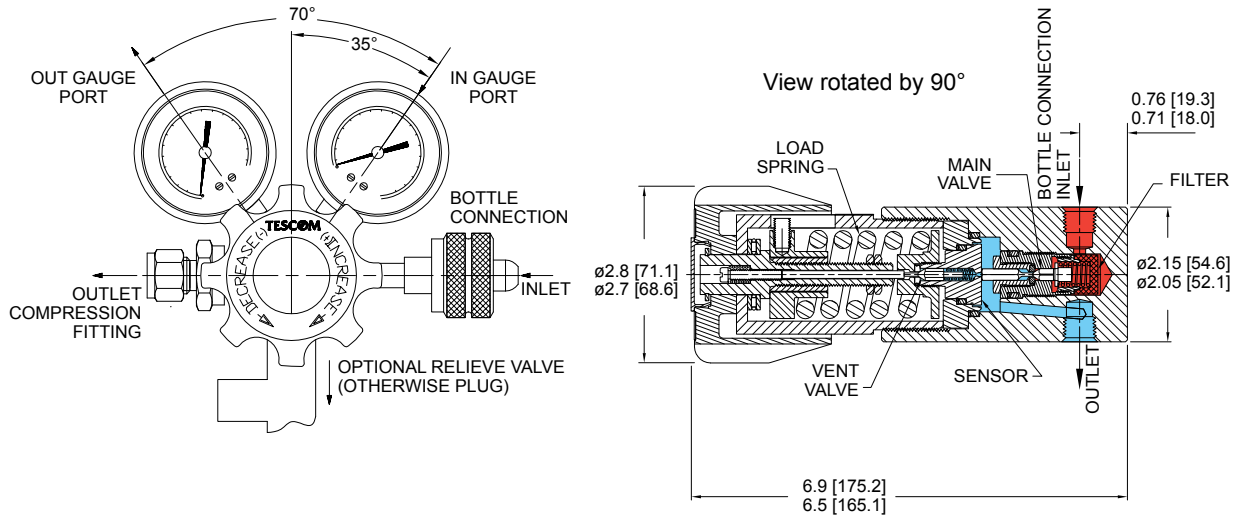
OTHER

Weight

4.75 lbs / 2.2 kg

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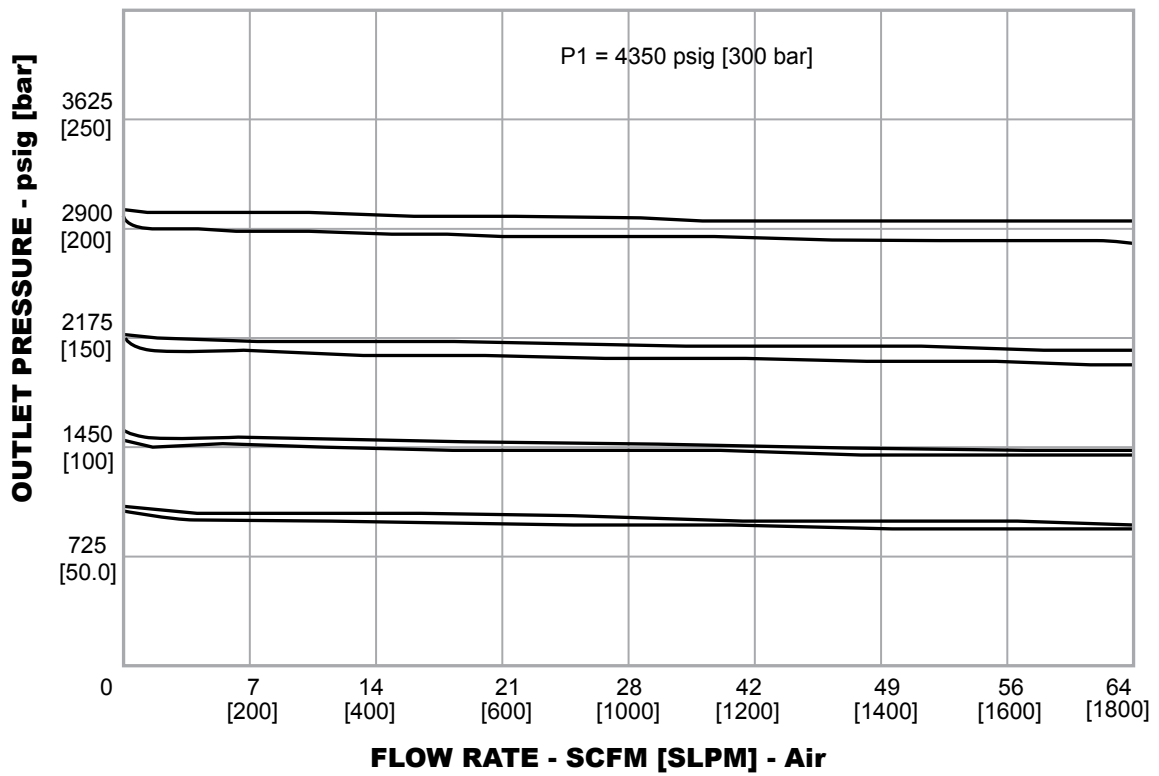
44-1100 Mod 834 Regulator Drawing



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.



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	N2 – Nitrogen (N ₂) O2 – Oxygen (O ₂) FG – Flammable gases (H, CH ₄ , 2NH ₃) NG – Non-flammable gases (Ar, He, Xe) CA – Compressed Industrial Air CG – Calibration gas	R – Relief valve N – Non-venting V – Venting (not available for Oxygen and flammable gases)	2 – 2900 psig 200 bar 3 – 4350 psig 300 bar	0 – 1/4" NPTF (without fitting) 1 – 1/16" 2 – 1/8" 3 – 3 mm 4 – 1/4" 6 – 6 mm	834



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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