

High Pressure Point-of-Use Regulators - Pressure Reducing

DCATLAB012163XEN2

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure

6000 psig / 414 bar

Outlet Pressure Ranges

0-1500 psig / 0-103 bar

0-2500 psig / 0-172 bar

Design Proof Pressure

150% of rated pressure

Operating Temperature

-15°F to 165°F / -26°C to 74°C

Flow Capacity

$C_v = 0.06$

Leakage

Bubble-tight

Leak Rate

$<10^{-9}$ mbar l/s

MEDIA CONTACT MATERIALS

Body

Brass or 316 Stainless Steel

Seat

Teflon®

O-Ring

Viton® (AMS 7287 Fluorocarbon)

Back-up Ring

Teflon®

Remaining Parts

Brass and 300 Stainless Steel

OTHER

Weight (approximate)

2 lbs / 0.9 kg

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



TESCOM High Pressure Point-of-Use regulator is a 44-1800 Series pressure reducing regulator that is spring loaded, hand operated and piston sensed.

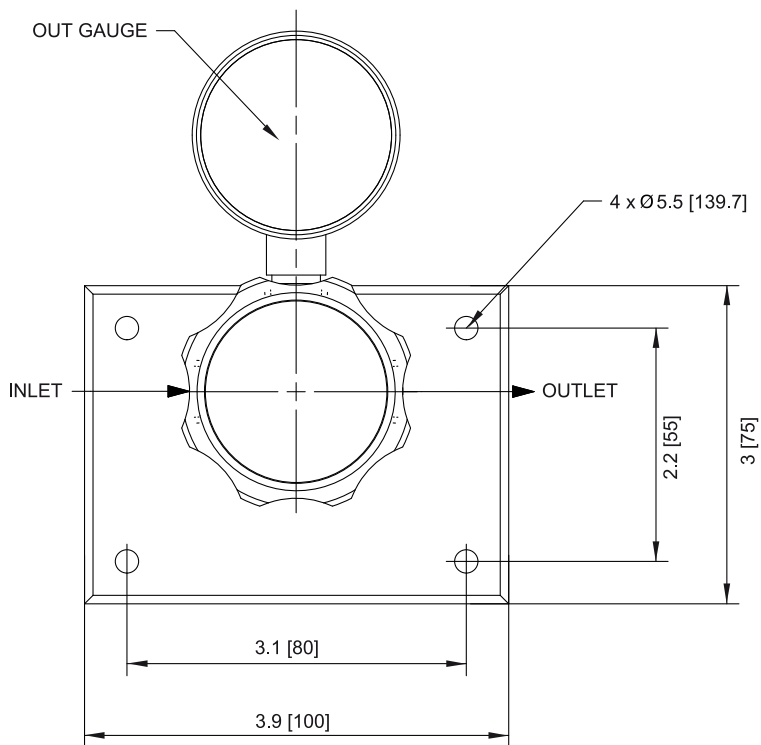
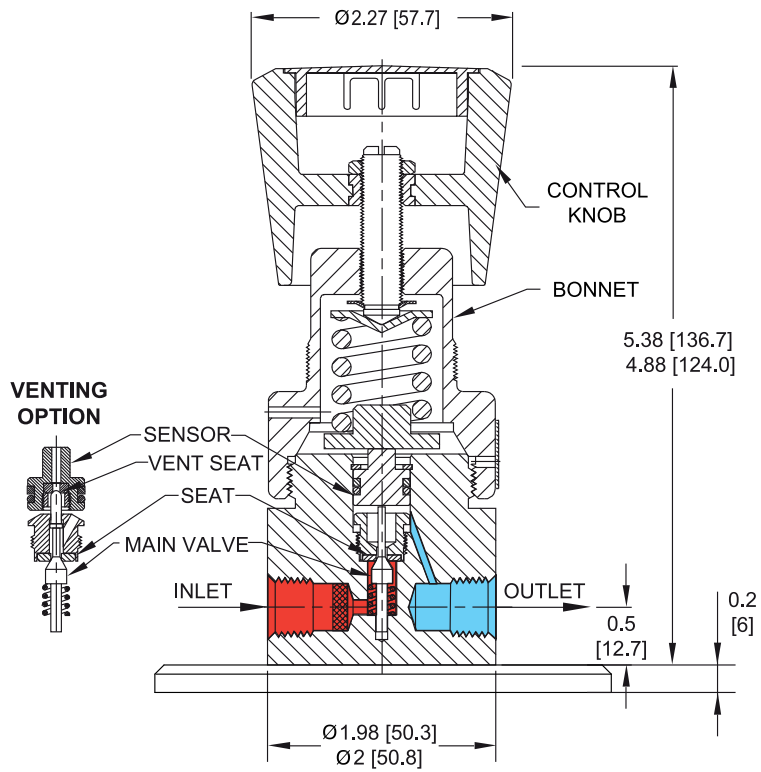
Application

- Analyzers with high outlet pressures in Laboratory and R&D

Features and Benefits

- Compact and ergonomic design
- Easy installation with wall mounting plate
- Venting is optional

High Pressure Point-of-Use Drawing



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

High Pressure Point-of-Use 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.

