

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure

4500 psig / 310 bar

Outlet Pressure Ranges

50 mm Hg absolute - 15 psig / 1.0 bar

50 mm Hg absolute - 50 psig / 3.4 bar

50 mm Hg absolute - 100 psig / 6.9 bar

50 mm Hg absolute - 350 psig / 24.1 bar

Design Proof Pressure

150% maximum rated

Leakage

Internal, Bubble-tight

Operating Temperature¹

-15°F to 140°F / -25°C to 60°C

Flow Capacity

$C_v = 0.06$

Maximum Operating Torque

30 in-lbs / 3.4 N•m



TESCOM DA Series absolute pressure reducing regulator is designed with an elastomeric diaphragm and provides accuracy to +/- 0.1 psig / 0.007 bar. This regulator may be used to reduce pressure from a supply source up to 4500 psig / 310 bar into a vacuum environment.

MEDIA CONTACT MATERIALS

Body

Brass or Nickel Plated Aluminum

Diaphragm

Nitrile, Buna-N, Ethylene Propylene, or FKM (Viton®-A)

Seat

PTFE (Inlet 500 psig / 34.5 bar maximum), CTFE, or Polyimide (VespeI®)

Friction Sleeve (inner)

PTFE

Friction Sleeve (outer)

316 Stainless Steel

Filter (40 micron)

316 Stainless Steel

Remaining Parts

300 Series Stainless Steel

OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight (without gauges)

Brass: 2.4 lbs / 1.1 kg

Aluminum: 1 lb / 0.5 kg

¹. For extended temperatures from -40°F to 400°F / -40°C to 204°C, consult Tescom. Viton®, Teflon®, and VespeI® are registered trademarks of E.I. du Pont de Nemours and Company.

Applications

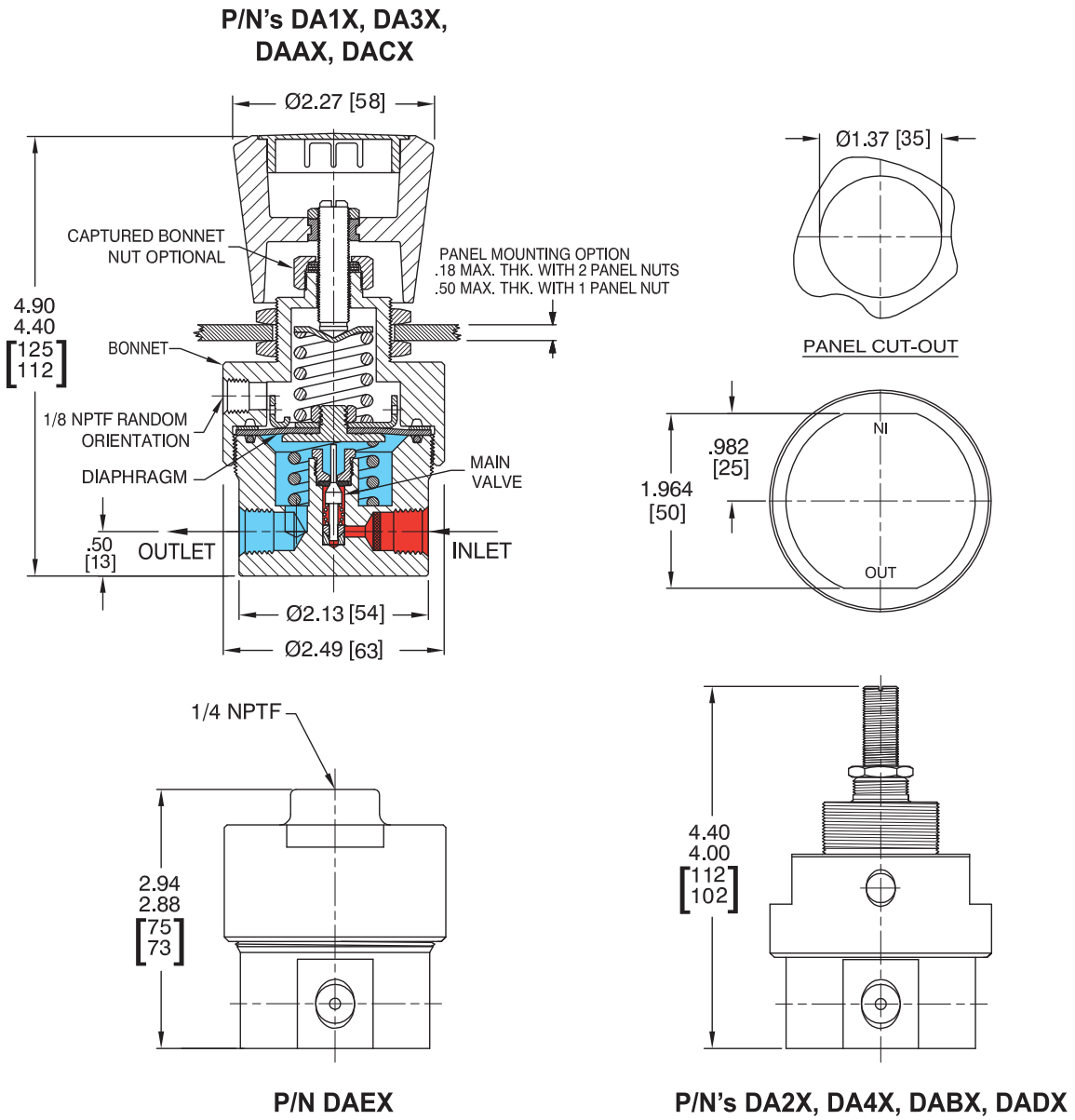
- Instrumentation testing
- Calibration equipment

Features and Benefits

- Compact in size and highly sensitive
- Economical
- Quick response and accurate diaphragm-type regulation
- Excellent repeatability
- Non-venting
- Low operating handknob torque
- Captured bonnet is available
- Panel mounting option is available
- Variety of porting options, body materials and soft goods

DA SERIES

DA Series Regulator Drawing



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

DA 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 TESCO catalog or on www.tescom.com.

