Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Controlled Pressure Range

760 - 50 mm Hg absolute

Design Proof Pressure

150% of maximum operating

Leakage

Bubble-tight

Operating Temperatures¹

Buna-N: -40°F to 165°F / -40°C to 74°C

Ethylene Propylene: -40°F to 250°F / -40°C to 121°C

Viton®: -15°F to 165°F / -26°C to 74°C

Flow Capacity

 $C_V = 0.25$

Maximum Operating Torque

15 in-lbs / 1.7 N•m

MEDIA CONTACT MATERIALS

Body

Brass or Nickel-plated Aluminum

Diaphragm

Buna-N, Ethylene Propylene, Viton®

O-Ring

Buna-N, Ethylene Propylene, Viton®

Remaining Parts

300 Series Stainless Steel and Brass

OTHER

Cleaning

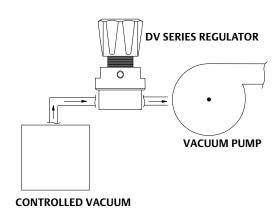
CGA 4.1 and ASTM G93

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® is a registered trademark of E.I. du Pont de Nemours and Company.

DV Series Typical Application





TESCOM DV Series is a compact, lightweight, diaphragm regulator that offers vacuum control up to 0.1% accuracy. Optional constant bleed feature allows for pressure adjustment in both directions.

Applications

- Instrumentation testing
- Calibration equipment

Features and Benefits

- Controls sub-atmospheric pressure
- Excellent repeatability
- Accurate diaphragm-type regulation ± 0.1% full scale accuracy
- High sensitivity of 10 mm Hg absolute achieved with constant bleed option
- · Easy maintenance
- Low operating handknob torque
- Captured bonnet and panel mounting options are available





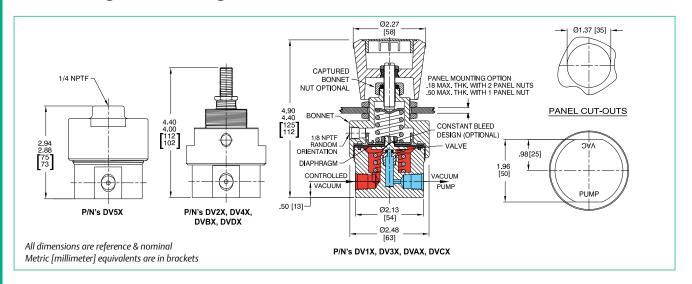


FOR NON-METALLIC KIT

FOR REPAIR KIT

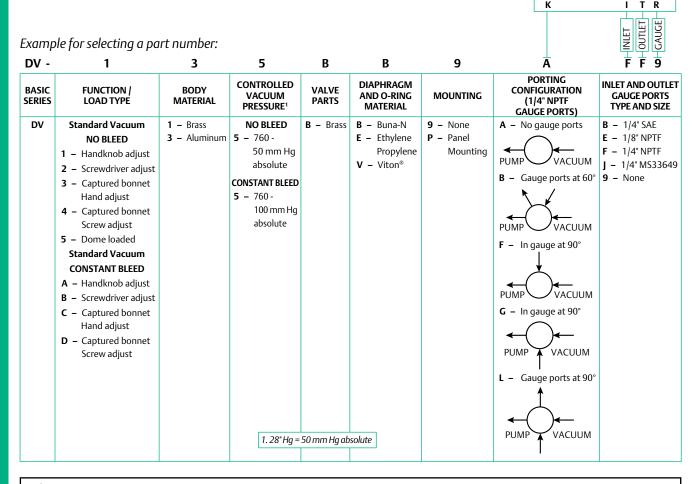
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DV Series Regulator Drawing



DV Series Regulator Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.



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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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