

5040/5080 Series Globe and Angle Valves

Reliable bubble-tight performance in continuous service applications

Features

- Bubble tight shutoff
- Unique seat design allows for use in metering, throttling or full open/closed operation
- Teflon® seat is encapsulated to protect against wire drawing and other damage
- Low operating torque
- Ambient and cryogenic models
- Easy to maintain and panel mount
- Globe and angle configurations



Specifications

- Pressure 0 to 6,000 psi
- Proof 1½ x inlet
- Burst 4 x inlet
- C_v

| | | |
|------|------|---------------|
| 5040 | 1.16 | 0.34" orifice |
| 5045 | 1.63 | 0.34" orifice |
| 5080 | 3.79 | 0.50" orifice |
| 5085 | 4.77 | 0.50" orifice |
- Temperature Ambient -15°F to +150°F
Cryogenic -420°F to +150°F
- Leakage Ambient – Bubble-tight, internal and external
Cryogenic – 10 sccm GHE internal, bubble-tight external

Materials of Construction

- Body 316 Stainless Steel
- Stem A-286 Stainless Steel
- Seat Retainer 316 Stainless Steel
- Seat Teflon®
- Bonnet 316 Stainless Steel
- Dust Protector Nylon
- Seals Buna-N®, Viton® or Ethylene Propylene with Teflon® backup rings
- Seals (Cryogenic) Teflon®, Elgiloy®

Buna-N® is a registered trademark of E. I du Pont de Nemours & Company
Viton® is a registered trademark of DuPont Dow Elastomers
Teflon® is a registered trademark of E.I. DuPont
Elgiloy® is a registered trademark of Combined Metal of Chicago, LLC

Applications

Ground Support Equipment • Research and Development • Shipboard Systems
Process Sampling Systems • Chemical and Petrochemical • Test Stands



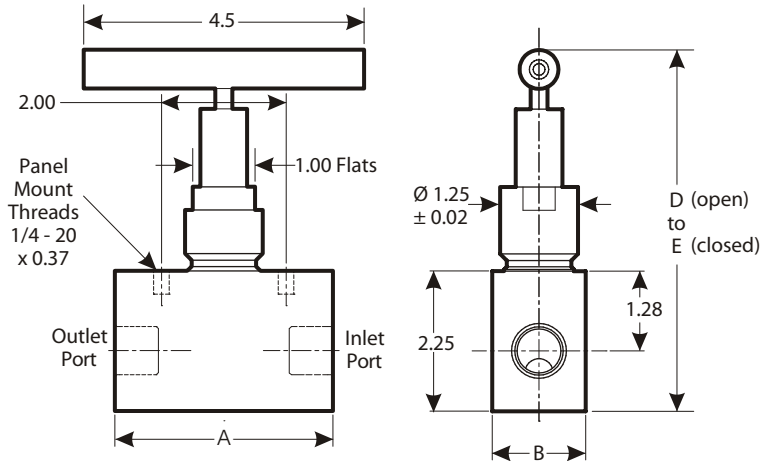
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U.S. Para Plate valves and regulators are used where performance and reliability are a must. Proven for over 30 years in the most demanding Aerospace and Industrial applications.

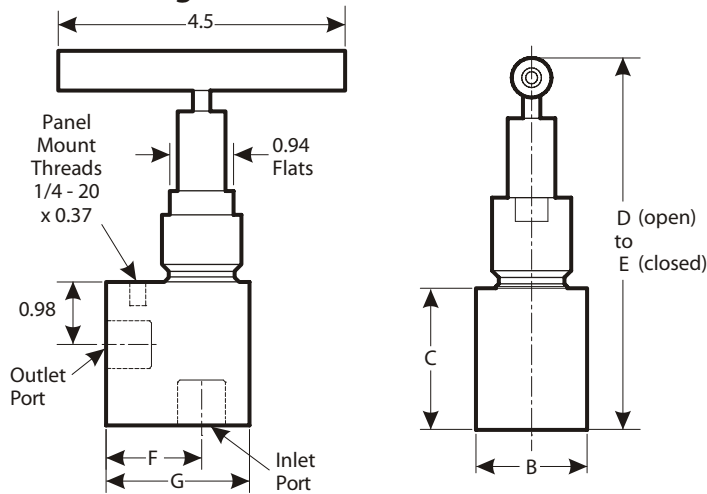


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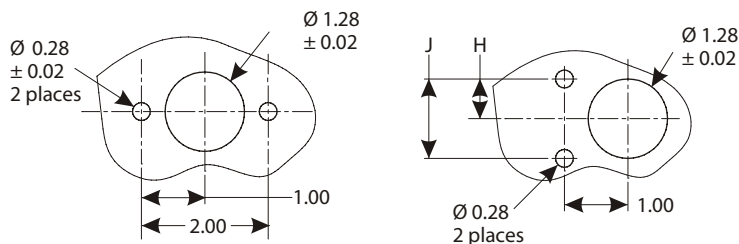
5040/5080 Globe Models



5045/5085 Angle Models



Panel Mount Details



Globe Models

Angle Models

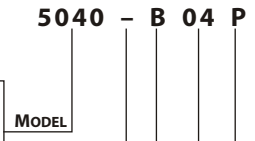
Dimensions

| | 5040 Globe | 5080 Globe | 5045 Angle | 5085 Angle |
|---|------------------------|----------------------|------------|------------|
| A | 1/4" 3.00 1/2" 3.50 | 3/4" 3.75 1" 4.00 | — | — |
| B | 1.75 | 1.75 | 1.50 | 1.75 |
| C | 2.25 | 2.25 | 2.25 | 2.63 |
| D | 6.2 | 6.2 | 6.3 | 6.7 |
| E | 5.8 | 5.8 | 5.9 | 6.3 |
| F | — | — | 1.50 | 1.88 |
| G | — | — | 2.25 | 2.75 |
| H | — | — | 0.50 | 0.63 |
| J | — | — | 1.00 | 1.25 |

Ordering Information

5040 Globe Valve
5045 Angle Valve
5080 Globe Valve
5085 Angle Valve

see Line Size



— = General service
X = High level precision cleaning

B = Buna-N® (-30° to +180°F)
V = Viton® (-15° to +200°F)
E = EPR (-30° to +180°F)
C = Cryogenic (-420° to +200°F)

04 = 1/4"
06 = 3/8"
08 = 1/2"
12 = 3/4"
16 = 1"

T = MS33649 female tube
P = NPT female

For Oxygen service, contact factory.
(Bold Italic Type indicates standard options)

