

D – Series Diaphragm Valves

High Pressure Diaphragm Shut-Off Valve

Features

Design

Multiport configurations, up to 4 way.
Various fitting configurations with standard Moduline dimensions.
All tube connections are TIG orbital welded.

Materials

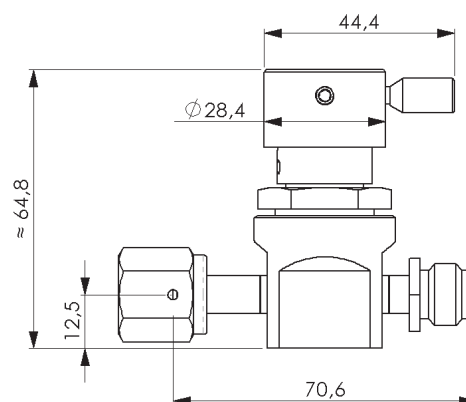
Wetted area 316L Stainless Steel
Surface finish $Ra \leq 0.4\mu m$; $Ra \leq 0.2\mu m$ on request
Body 316L Stainless Steel
Hastelloy for corrosive gases (option)
Diaphragm Elgiloy
Seat Kel-F
O-ring (body / actuator) Silvered 316L Stainless Steel

Actuator Design

Manual or $\frac{1}{4}$ turn.
Blue anodized actuator in aluminum.

Options & Accessories

Hastelloy body for corrosive gases.



D – Series Diaphragm Valves

High Pressure Diaphragm Shut-Off Valve

Ratings

Specifications

Flow coefficient (for two way valve)..... Cv=0.14

Orifice size (for two way valve) 3.5 mm

Temperature

Operating 0 °C to 70 °C

Pressure Ratings

Operating Vacuum to 200 bar

Valve Life Expectancy

> 1,000,000 cycles with non-corrosive gas.

> 500,000 cycles with corrosive gas (option).

Helium Leak Rate

External sealing <2.10⁻¹⁰ atm cm³/s

Internal sealing <1.10⁻⁹ atm cm³/s

