

D – Series ALD Valves

High Temperature Diaphragm Valve - 250°C

Features

Design

Fast 9 ms response time for total opening / closing.
Multiport configurations, up to 4 way.
Various fitting configuration 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 Co base
Seat Kel-F, Vespel (option)
O-ring (body / actuator) Silvered 316L Stainless Steel

Actuator Design

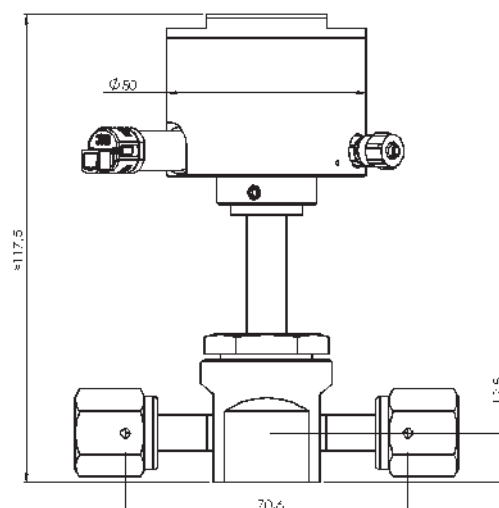
Pneumatic NC.
Yellow anodized actuator in aluminum for high temperature.

Solenoid Pilot Valve Design

24 V, 5.4 W.
Nickel plated brass body.
Viton seals.

Options & Accessories

Hastelloy body for corrosive gases.
Pneumatic fittings.



D – Series ALD Valves

High Temperature Diaphragm Valve - 250°C

Ratings

Specifications

Flow coefficient Cv=0.14

Orifice size 3.5 mm

Temperature

Operating 0 °C to 250 °C

Pressure Ratings

Operating Vacuum to 15 bar

Valve Life Expectancy

> 200,000 cycles

Helium Leak Rate

External sealing <2.10⁻¹⁰ atm cm³/s

Internal sealing <1.10⁻⁹ atm cm³/s

