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B – Series Metering Valves

Vernier Bellows Valve

Features

Design

Various Fitting configuration.
Standard Moduline dimensions.
All tube connection are TIG orbital welded.

Materials

Wetted area ..... 316L Stainless Steel
Surface finish ..... Ra ≤ 0.4µm ; Ra ≤ 0.2µm on request
Body and bellows ..... 316L Stainless Steel
Hastelloy for corrosive gases (option)
O-ring (body / actuator) ..... Silvered 316L Stainless Steel

Actuator Design

Blue anodized actuator in aluminum.

Ratings

Specifications

Flow coefficient (for 1 L/min) ..... Cv=0.002
Flow coefficient (for 4 L/min) ..... Cv=0.01
Flow coefficient (for 150 L/min) ..... Cv=0.2
Dead volume 2.0 cm3

Temperature

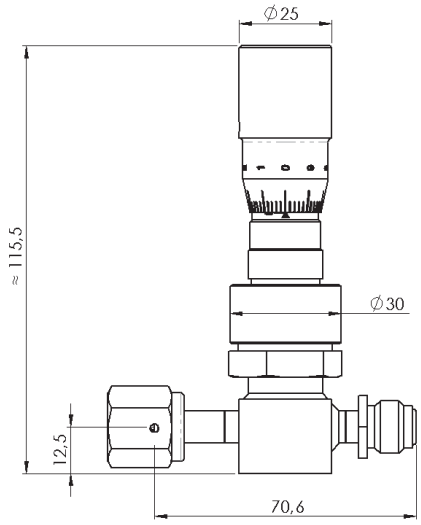
Operating ..... 0°C to 70°C

Pressure Ratings

Operating ..... Vaccum to 15bar

Helium Leak Rate

External sealing ..... <2.10-10 atm cm3/s



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