

CV - Series Check Valves

Check Valves With KF Flanges

Features

Design

Various configurations (KF16, KF25, KF40).
All tube connections are TIG orbital welded.

Materials

Wetted area 316L Stainless Steel
Gasket Viton, EPDM, Kalrez, Nitrile
Surface finish $Ra \leq 0.4\mu m$; $Ra \leq 0.2\mu m$ on request

Ratings

Cracking Pressure

CHK 1/3 PSI	23 mb
CHK 1/2 PSI	34 mb
CHK 1 PSI	70 mb
CHK 2 PSI	138 mb
CHK 3 PSI	207 mb
CHK 5 PSI	345 mb

Flow Coefficient

Cv starting 1.1

Temperature

Operating 0 °C to 120 °C, depending on the model

Pressure

Operating Vacuum to 30 bar, depending on the model

Helium Leak Rate

External seating $<5.10^{-10}$ atm cm³/s
Internal seating $<1.10^{-7}$ atm cm³/s

