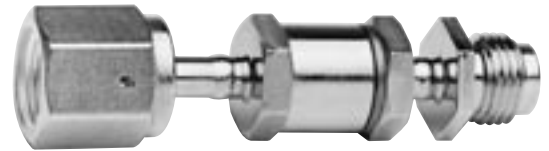




Check Valve Series

CHK 1/3 psi

CHK 1 psi



Features

Design

Standard Moduline dimensions.
Various fittings configuration.
All tube connections are TIG orbital welded.
Permanent color identification of cracking pressure.

Materials

Wetted area..... 316L Stainless Steel
Gasket..... Viton®
Rugosity..... electropolished, Ra0.4µm (16µin)

Verification & Packaging

100% inspection with boroscope.
Vacuum sealed double packaging with N₂ purge.

Ratings

Specifications

Orifice size (internal)..... 4.5 mm (0.177in)

Cracking Pressure

CHK 1/3 PSI..... 22.7 mb (0.33 PSI) - Yellow ring
CHK 1 PSI..... 68 mb (0.98 PSI) - Blue ring

Pressure Drop

Flow coefficient..... Cv = 0.51

Temperature

Operating..... 10°C to 60°C (15°F to 140°F)

Helium Leak Rate

Individually tested..... < 5.10⁻¹⁰ atm cm³/s
Helium leak rate for a 1.5 bar back pressure

FLOW DATA

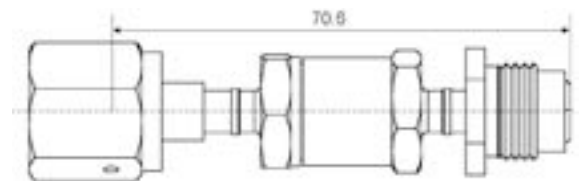
**Max flow / ΔP for 1/3PSI
cracking pressure**

ΔP (bars)	N ₂ L/mn @ 21°C
0.1	30
0.5	80
1	130
2	220

FLOW DATA

**Max flow / ΔP for 1PSI
cracking pressure**

ΔP (bars)	N ₂ L/mn @ 21°C
0.1	1.2
0.5	100
1	160
2	220





Accessories Series

Check Valve

Part Number Description

Q555 [p , p] [f] [i , o]

[p , p] - Cracking Pressure

- [81] 1/3 PSI Check valve
- [91] 1 PSI Check valve

[f] - Fitting Configuration

- [1] Standard Moduline ¼" VCR
- [2] Female ¼" VCR
- [4] Swagelok ¼"
- [5] Swagelok 6mm
- [9] Special configuration, specify [i , o]

[i , o] - Inlet / Outlet Fitting Type

- [B] Female ¼" VCR
- [C] Male ¼" VCR
- [F] Swagelok ¼"
- [G] Swagelok 6mm
- [W] Welded butt end

