

CVIS Modular Check Valve Series Specifications

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Description:

Modular connection check valves, with internal O-ring sealing, utilizing a spring loaded floating poppet to allow flow at a predefined cracking pressure.

Full Specification:

Housing Material:	Glass-Filled Polypropylene FDA CFR21 compliant
Valve Cartridge Material:	Polypropylene FDA CFR21 compliant
Poppet Material:	Polypropylene FDA CFR21 compliant
Spring Material:	302 Stainless Steel
O-ring Material Options:	Buna-N, EPDM, Silicone, Viton
Max. Inlet Pressure:	75 psi (5.17bar) @ ambient 21°C (70°F)
Cracking Pressure Options:	0.1, 1/2, 1, 2, 3, 4, 5, 10 psi
Inlet / Outlet Connection Options:	Hose Barbs – 1/8", 1/4", 5/16", 3/8" Push-In – 4mm, 6mm, 1/4" Thread – 1/8" Female BSPP
Mounting Style:	In-line
Operating Temperature:	5°C (41°F) to 50°C (122°F)
Storage Temperature:	-50°C (-58°F) to 50°C (122°F)
Cycling:	Min 100,000 cycles – Maintenance free



Regulatory and other information:

Regulatory compliance:	FDA CFR21 / RoHS / TEACH
Clean Room Manufactured:	No

Technical: A check valve is generally used in a pneumatic circuit which requires free flow in one direction, indicated with an arrow on the check valve, and no flow in the opposite direction. They can also be useful as a bypass valve allowing flow around other circuitry components such as needle valves which would restrict the flow in both directions.

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.