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MODULAR CHECK VALVES



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Features and Benefits

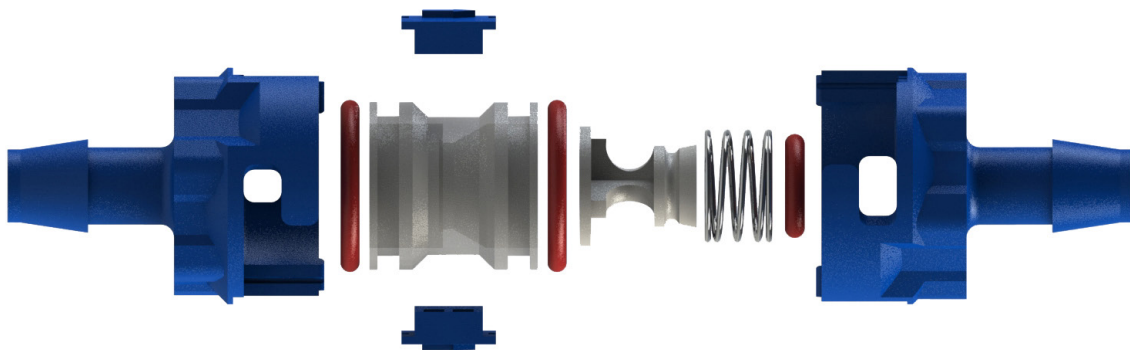
The new CVIS Series Modular Check Valves are our most customizable check valve product line. Easily switch internal and housing components to fit the parameters of your application.

Product Features and Benefits

- Single barb design
- 4 O-ring seal options
- Blue, red or natural color
- Multiple cracking pressures
- Locking tabs for high pressure applications
- Both imperial (inch) and metric combinations
- Various sizes of barb and push-in connections
- 1/8" BSPP female threads fit both BSPT (ISO 7-1 R) and BSPP (ISO 288-1 G) male threads



CVIS Series Specifications



Description

Modular Connection Check Valves, with internal O-ring sealing, utilizing a spring loaded floating poppet to allow flow at a predefined cracking pressure.

- See Full Specifications and Compliance on Next Page -

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	no spring, 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 / REACH
Clean Room Manufactured	No
Technical	Check valves are 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.

Part Number Configurator

Materials of Construction

Cartridge Materials	302 Stainless Steel Spring Polypropylene - Poppet and Cartridge Body O-ring Seals: Buna-N, EPDM, Silicone or Viton
Housing Options	30% Glass-Filled Polypropylene in Red, Blue or Natural

How to Configure a Part

Prefix	Inlet	Outlet	Cracking Pressure	Seal	Material
CVIS	- CON (inlet)	- CON (outlet)	- CP	- SEAL	- MAT

CVIS	CVIS is the Series prefix, this will not change.
CON	This is an abbreviation for Connection. The Inlet is listed first. If the End Connections are the same, only list it once. See Below for List of Connections and Codes.
CP	This is an abbreviation for the Cracking Pressure of the Check Valve. If no CP is required, leave blank. See Below for List of Cracking Pressures and Codes.
SEAL	This is where the Seal is listed. See Below for List of Seals and Codes.
MAT	This is the Material. All Valve Bodies are 30% Glass Filled Polypropylene, available in Red, Blue or Natural.

- See Connections and Codes on Next Page -

Connections and Codes

Connections	<p>1/8" HB = 18 1/4" HB = 14 5/16" HB = 516 3/8" HB = 38 1/4" Push-In = 14P 4mm Push-In = 4MM 6mm Push-In = 6MM 1/8" Female BSPP = G2F</p>
Cracking Pressure	<p>No Spring = (no symbol) 0.1 psi = .1 1/2 psi = .5 1 psi = 1 2 psi = 2 3 psi = 3 4 psi = 4 5 psi = 5 10 psi = 10</p>
Seals	<p>Buna-N = BU EPDM = EPDM Silicone = SI Viton® = V</p>
Material	<p>Red Glass-Filled Polypropylene = RPP Blue Glass-Filled Polypropylene = BLPP Natural Glass-Filled Polypropylene = NPP</p>

Examples

CVIS-18-14-4-V-BLPP

1/8" Hose Barb Inlet x 1/4" Hose Barb Outlet, 4 psi Cracking Pressure, Viton® Seals, Blue Glass-Filled Polypropylene

CVIS-14-EPDM-NPP

1/4" Hose Barb Inlet and Outlet, No Spring, EPDM Seals, Natural Polypropylene

CVIS-G2F-14P-.5-V-RPP

1/8" Female BSPP Inlet x 1/4" Push-In Outlet, 1/2 psi Cracking Pressure, Viton® Seals, Red Polypropylene

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