



This valve is a spring biased closed, pilot-to-close check cartridge with a bypass orifice. It incorporates a steel seat and is non-vented. The valve allows flow from port 1 to port 2 and restricts flow from port 2 to port 1. Pressure at the pilot (port 3) opposes pressure at port 1 at a ratio of 1.8:1. Pressure at port 2 directly opposes the pilot pressure. Note: The bypass orifice diameter is specified by the customer. See Technical Data below for the allowable orifice range.

TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

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|----------------------|---------------------------|
| Orifice Range | .016 - .252 in. |
| Seal kit - Cartridge | Buna: 990-017-007 |
| Seal kit - Cartridge | Polyurethane: 990-017-002 |
| Seal kit - Cartridge | Viton: 990-017-006 |

CONFIGURATION OPTIONS

Model Code Example: CNHEXCNV

| CONTROL | (X) | SETTING RANGE | (C) | SEAL MATERIAL | (N) |
|-------------------------|-----|---|-----|-----------------|-----|
| X Not Adjustable | | C 30 psi (2 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | N Buna-N | |
| | | A 4 psi (0,3 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | V Viton | |
| | | B 15 psi (1 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | | |
| | | D 50 psi (3,5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | | |
| | | E 75 psi (5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | | |
| | | F 100 psi (7 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm) | | | |