



This valve is a pilot to open check valve. It has a sealed pilot, a steel seat, and is vented. It allows free flow from the valve (port 2) to the load (port 1) and blocks flow in the opposite direction. Pressure at the pilot (port 3) will open the valve from port 1 to port 2. Pilot pressure needed to open the valve is directly proportional to the load pressure at port 1. The valve is insensitive to pressure at port 2 because the spring chamber is referenced to the vent (port 4).

**TECHNICAL DATA**

|   |                         |
|---|-------------------------|
| Pilot Ratio                               | 3:1                     |
| Maximum Operating Pressure                | 350 bar                 |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,07 cc/min.            |
| Pilot Volume Displacement                 | 4,9 cc                  |
| Pilot Passage into Valve                  | 2,3 mm                  |
| Seal kit - Cartridge                      | Buna: 990024007         |
| Seal kit - Cartridge                      | EPDM: 990024014         |
| Seal kit - Cartridge                      | Polyurethane: 990024002 |
| Seal kit - Cartridge                      | Viton: 990024006        |

**CONFIGURATION OPTIONS**

**Model Code Example: CVIVXCN**

| CONTROL                 | (X) CRACKING PRESSURE   | (C) SEAL MATERIAL | (N) MATERIAL/COATING            |
|-------------------------|-------------------------|-------------------|---------------------------------|
| <b>X</b> Standard Pilot | <b>C</b> 30 psi (2 bar) | <b>N</b> Buna-N   | Standard Material/Coating       |
| L Manual Load Release   | A 4 psi (0,3 bar)       | E EPDM            | /AP Stainless Steel, Passivated |
|                         | B 15 psi (1 bar)        | V Viton           | /LH Mild Steel, Zinc-Nickel     |
|                         | D 50 psi (3,5 bar)      |                   |                                 |
|                         | E 75 psi (5 bar)        |                   |                                 |
|                         | F 100 psi (7 bar)       |                   |                                 |