



This valve is a pilot to open check valve with a bypass orifice. It incorporates a sealed pilot, a steel seat, and is non-vented. It allows free flow from the valve (port 2) to the load (port 1) and restricts flow in the opposite direction. Pressure at the pilot (port 3) will open the valve from port 1 to port 2. The pilot pressure needed at port 3 to open the valve is directly proportional to the load pressure at port 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. An 'L' control option is available to manually release the load. See Option Selection below.

**TECHNICAL DATA**

|                            |                         |
|----------------------------|-------------------------|
| Pilot Ratio                | 3:1                     |
| Maximum Operating Pressure | 350 bar                 |
| Orifice Range              | 0,4 - 5,5 mm            |
| Seal kit - Cartridge       | Buna: 990017007         |
| Seal kit - Cartridge       | Polyurethane: 990017002 |
| Seal kit - Cartridge       | Viton: 990017006        |

**CONFIGURATION OPTIONS**

**Model Code Example: CNGEXCN**

| CONTROL          | (X) SETTING RANGE  | (C) SEAL MATERIAL | (N)     |
|------------------|--|-------------------|---------|
| X Not Adjustable | C 30 psi (2 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)   | N Buna-N          | V Viton |
|                  | A 4 psi (0,3 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)  |                   |         |
|                  | B 15 psi (1 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)   |                   |         |
|                  | D 50 psi (3,5 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) |                   |         |
|                  | E 75 psi (5 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)   |                   |         |
|                  | F 100 psi (7 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)  |                   |         |