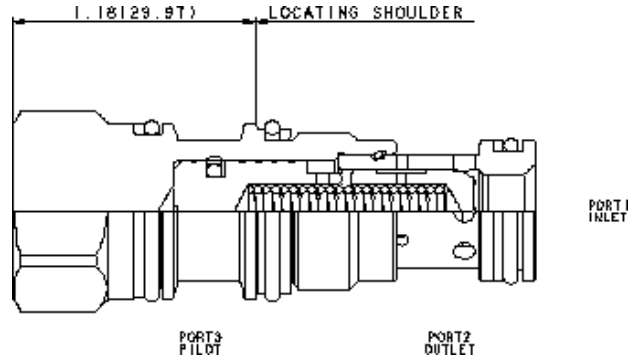


CONFIGURATION

| | | |
|---------------|-------------------|---------------------------|
| X | Control | Standard Pilot |
| E | Cracking Pressure | 75 psi (5 bar) |
| N | Seal Material | Buna-N |
| (none) | Material/Coating | Standard Material/Coating |



This valve is a spring biased closed, pilot-to-close check cartridge that has a 1.8:1 pilot ratio. The valve allows flow from port 1 to port 2 and blocks reverse flow. Pressure at the pilot port opposes pressure at port 1 at a ratio of 1.8:1. This valve is most often used in regeneration circuits.

TECHNICAL DATA

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

| | |
|---|-------------------------|
| Cavity | T-11A |
| Series | 1 |
| Capacity | 80 L/min. |
| Pilot Ratio | 1.8:1 |
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,07 cc/min. |
| Valve Hex Size | 22,2 mm |
| Valve Installation Torque | 41 - 47 Nm |
| Seal kit - Cartridge | Buna: 990011007 |
| Seal kit - Cartridge | EPDM: 990011014 |
| Seal kit - Cartridge | Polyurethane: 990011002 |
| Seal kit - Cartridge | Viton: 990011006 |
| Model Weight | 0.13 kg. |

CONFIGURATION OPTIONS

Model Code Example: CODAXEN

| CONTROL | (X) CRACKING PRESSURE | (E) SEAL MATERIAL | (N) MATERIAL/COATING |
|-------------------------|---|--------------------------------------|---|
| X Standard Pilot | E 75 psi (5 bar) A 4 psi (0,3 bar) B 15 psi (1 bar) C 30 psi (2 bar) D 50 psi (3,5 bar) F 100 psi (7 bar) G 150 psi (10,5 bar) | N Buna-N E EPDM V Viton | Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel |

TECHNICAL FEATURES

- Minimum clearances between the spool and sleeve and a seal on the pilot piston diameter significantly reduce the potential for silting.
- Nominal pilot ratio is 1.8:1. This means that a pressure of 1000 psi (70 bar) at the pilot port will close a valve against a pressure of 1800 psi (125 bar) at port 1. Any decay or loss of pilot pressure could allow the valve to open, even if it is a momentary decay or loss.
- Pressure at the port 2 area directly opposes pilot pressure.
- Reverse flow through the valve from port 2 to port 1 is not possible under any condition.
- With equal pressures at all ports the valve is closed.
- In the beginning the CO*A's did not have a positive seal on the pilot pistons and the CO*B's did. Now the CO*A's are positively sealed and the 2 valves are mechanically identical. CO*A's are more readily available and cost less.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP or /LH (see CONFIGURATION section). For further details, please see the Materials of Construction page under TECHNICAL RESOURCES.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES

