



This valve is a 2-way, 2-position proportional throttle. Ports 2 and 3 are normally closed. Pilot pressure at port 1 creates a metering orifice between port 2 and 3 that is proportional to the pressure at 1. The force balance of the flow forces, spring and pilot pressure results in a degree of partial self-compensation as the load pressure changes.

This valve includes a bleed-down feature which connects ports 3 to 4 in the spring-biased position. The bleed-down feature is useful when the valve is used as a meter-in flow control in circuits which include counterbalance valves downstream of port 3. The bleed-down connection is closed as the valve is piloted with increasing pressure at port 1.

Pressure at port 4 directly opposes pressure at port 1.

**TECHNICAL DATA**

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

|  |                         |
|--|-------------------------|
| Maximum Operating Pressure                             | 350 bar                 |
| Maximum Valve Leakage at 110 SUS (24 cSt)              | 98 cc/min.@70 bar       |
| Pilot Volume Displacement                              | 3,3 cc                  |
| Minimum Pilot Pressure to Operate                      | 7 bar                   |
| Bypass orifice   | 0,8 mm                  |
| Hysteresis   | ± 2 %                   |
| Adjustment - No. of CW Turns from Min. to Max. setting | 5                       |
| Locknut Hex Size                                       | 15 mm                   |
| Locknut Torque   | 9 - 10 Nm               |
| 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: FKIBXCN**

| CONTROL             | (X) SPOOL CONFIGURATION | (C) SEAL MATERIAL | (N) |
|---------------------|-------------------------|-------------------|-----|
| X Not Adjustable    | C Normally Closed       | N Buna-N          |     |
| L Tuning Adjustment |                         | E EPDM            |     |
|                     |                         | V Viton           |     |