



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.

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|--|-------------------------|
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 30 cc/min. @70 bar |
| Pilot Volume Displacement | 4,9 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: 990022002 |
| Seal kit - Cartridge | Polyurethane: 990022002 |
| Seal kit - Cartridge | Viton: 990022006 |

CONFIGURATION OPTIONS

Model Code Example: **FKEBXCN**

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