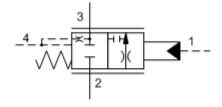
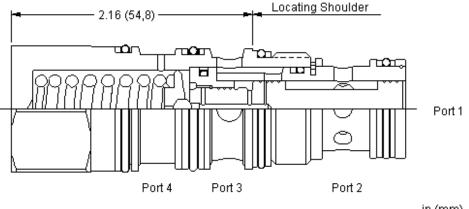


2-way, pilot-shifted, proportional throttle with bleed down CAPACITY: 10 gpm / CAVITY: T-22A









in (mm)

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 | 5000 psi |
|--|---------------------------|
| Bypass orifice | .03 in. |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 2 in³/min.@1000 psi |
| Minimum Pilot Pressure to Operate | 100 psi |
| Pilot Volume Displacement | .30 in ³ |
| Hysteresis | ±2% |
| Adjustment - No. of CW Turns from Min. to Max. setting | 5 |
| Locknut Hex Size | 9/16 in. |
| Locknut Torque | 80 - 90 lbf in. |
| Seal kit - Cartridge | Buna: 990-022-002 |
| Seal kit - Cartridge | Polyurethane: 990-022-002 |
| Seal kit - Cartridge | Viton: 990-022-006 |

CONFIGURATION OPTIONS CONTROL

Model Code Example: FKDBXCNV

SPOOL CONFIGURATION (X)

SEAL MATERIAL

(N)

X Not Adjustable

L Tuning Adjustment C Normally Closed

(C)

N Buna-N ۷ Viton