

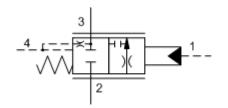
MODEL FKEB

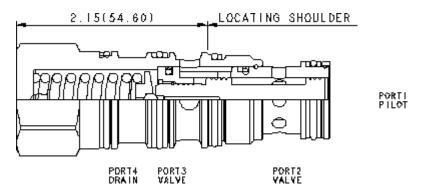
2-way, pilot-shifted, proportional throttle with bleed down, high capacity

CAPACITY: 20 gpm / CAVITY: T-22A



sunhydraulics.com/model/FKEB





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 <sup>3</sup>
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

Model Code Example: FKEBXCN

CONTROL (X) SPOOL CONFIGURATION

(C) SEAL MATERIAL

(N)

X Not Adjustable

C Normally Closed

N Buna-NV Viton

Tuning Adjustment

©2024 Sun Hydraulics 1 of 1