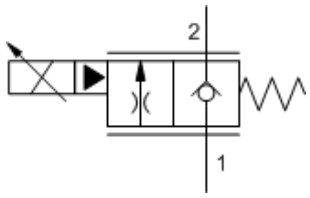
MODEL
FPFK

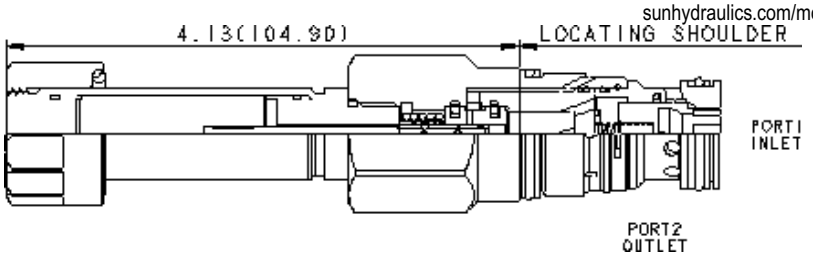
Pilot-operated, normally closed, electro-proportional throttle with reverse flow check

SERIES 2 / CAPACITY: 20 gpm / CAVITY: T-5A

sunhydraulics.com/model/FPFK



X-Control



This valve is a pilot-operated, normally closed, electro-proportional throttle with reverse free-flow check. Energizing the coil generates an opening force on the pilot stage which vents the main stage poppet to open proportionally. Metered flow is from port 1 to port 2 with reverse free flow from port 2 to port 1.

CONFIGURATION

X	Control	No Manual Override
D	Flow Rate	Nominal 20 gpm @ 200 psi (14 bar) differential (80 L/min.)
N	Seal Material	Buna-N
(none)	Coil	No coil

TECHNICAL DATA

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

Recommended dither frequency	100 Hz
Maximum Valve Leakage at 110 SUS (24 cSt)	20 drops/min.@5000 psi
Manual Override Force Requirement	5 lbs/1000 psi @ Port 1
Deadband, nominal (as a percentage of input)	25%
Manual Override Stroke	.06 in.
Seal kit - Cartridge	Buna: 990203007
Seal kit - Cartridge	EPDM: 990203014
Seal kit - Cartridge	Viton: 990203006

CONFIGURATION OPTIONS

Model Code Example: FPFKXDN

CONTROL (X)

- **X** No Manual Override
- **E** Twist (Extended) Manual Override
- **M** Manual Override

FLOW RATE (D)

- **D** Nominal 20 gpm @ 200 psi (14 bar) differential (80 L/min.)
- **B** Nominal 10 gpm @ 200 psi (14 bar) differential (40 L/min.)

SEAL MATERIAL (N)

- **N** Buna-N
- **E** EPDM
- **V** Viton

COIL *

- No coil
- **212** DIN 43650-Form A, 12 VDC
- **224** DIN 43650-Form A, 24 VDC
- **912** Deutsch DT04-2P, 12 VDC
- **924** Deutsch DT04-2P, 24 VDC

* Additional coil options are available

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