



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.

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

Recommended dither frequency	100 Hz
Deadband, nominal (as a percentage of input)	25%
Manual Override Force Requirement	5 lbs/1000 psi @ Port 1
Manual Override Stroke	.06 in.
Maximum Valve Leakage at 110 SUS (24 cSt)	20 drops/min.@5000 psi
Seal kit - Cartridge	Buna: 990-016-007
Seal kit - Cartridge	EPDM: 990-016-014
Seal kit - Cartridge	Polyurethane: 990-016-002
Seal kit - Cartridge	Viton: 990-016-006

CONFIGURATION OPTIONS

Model Code Example: FPHKXN

CONTROL

(X) SEAL MATERIAL

(N) COIL *

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

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

- No coil**
- * Additional coil options are available