



This valve is a 4-way, 3-position proportional directional valve. Work ports 2 and 4 are drained to 5 in the center position and port 3 is closed. Pilot pressure at port 1 opposes the spring and creates a variable metering orifice between ports 3 and 4 that is proportional to the pressure at 1. Piloting 6 opens 3 to 2. The force balance of the flow forces, spring and pilot pressure results in a degree of partial self-compensation as the load pressure changes. Pressure at ports 1 and 6 directly oppose each other.

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

Maximum Operating Pressure	5000 psi
Maximum Pilot Pressure	500 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	14 in ³ /min. @1000 psi
Pilot Volume Displacement	.26 in ³
Seal kit - Cartridge	Buna: 990-054-007
Seal kit - Cartridge	Polyurethane: 990-054-002
Seal kit - Cartridge	Viton: 990-054-006

CONFIGURATION OPTIONS

Model Code Example: FTHCXYN

CONTROL

(X)

SPOOL CONFIGURATION

(Y)

SEAL MATERIAL

(N)

MATERIAL/COATING

X Not Adjustable

Y A and B to T Center

N Buna-N

Standard Material/Coating

W A and B Bleed to T Center

V Viton

IAP Stainless Steel, Passivated