

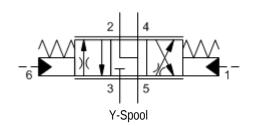
MODEL FTDC

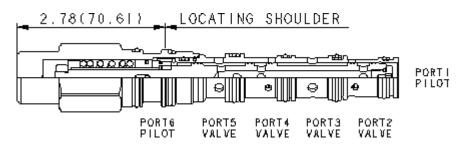
4-way, 3-position, meter in proportional directional valve

CAPACITY: 18 gpm / CAVITY: T-52A



sunhydraulics.com/model/FTDC





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
Pilot Pressure Required for Full Shift at Rated Flow	290 - 340 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	2.7 in³/min.@500 psi
Pilot Volume Displacement	.04 in ³
Seal kit - Cartridge	Buna: 990-052-007
Seal kit - Cartridge	Viton: 990-052-006

CONFIGURATION OPTIONS CONTROL

Model Code Example: FTDCXYN

(X) SPOOL CONFIGURATION

SEAL MATERIAL

(Y)

MATERIAL/COATING

X Not Adjustable

Y A and B to T CenterW A and B Bleed to T Center

N Buna-NV Viton

Standard Material/Coating

IAP Stainless Steel, Passivated

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