



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 in ³ /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

Model Code Example: FTDCXYN

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