



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

Capacity:
7 gpm (28 L/min.)

Functional Group:

Products : Cartridges : Directional, Proportional : 4 Way : 4-way, 3-position, Meter in

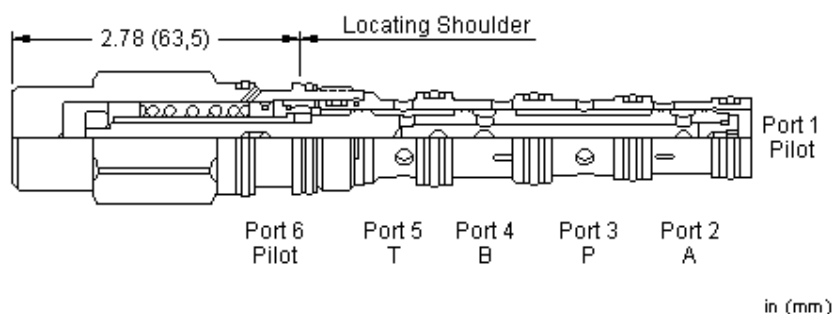
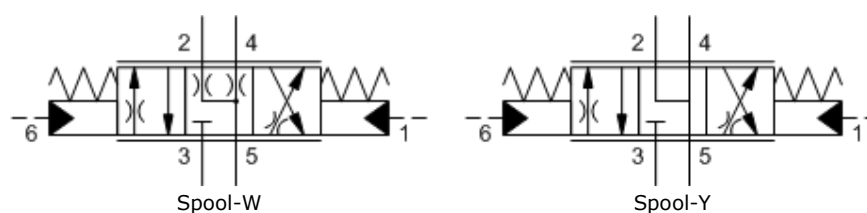
Model:

FTCC

Product Description

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.



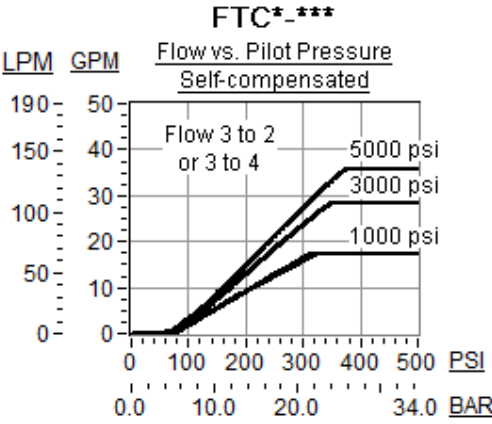
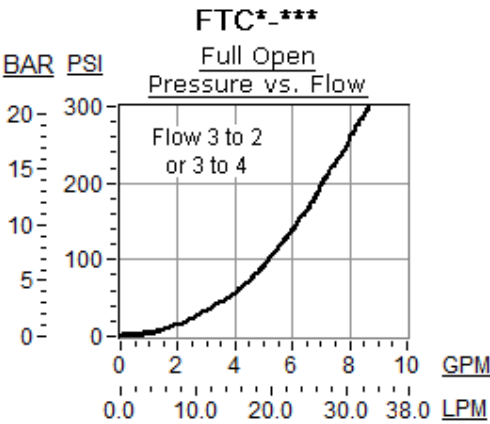
in (mm)

Technical Features

- Nominal operating pressures for port 1 and port 6 should not exceed 500 psi (35 bar).
- The valve exhibits a degree of self compensation. If more precise regulation of flow is required, then a separate compensator should be considered. This may be achieved by the use of a bypass compensator, model LR*C-XHN, or a restrictive compensator, model LP*C-XHN.
- Pressure at ports 1 and 6 directly oppose each other.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-52A	
Capacity	7 gpm	28 L/min.
Minimum Pilot Pressure Required to Shift Valve	80 psi	5,5 bar
Pilot Pressure Required for Full Shift at Rated Flow	300 psi	20 bar
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in ³ /min.@1000 psi	30 cc/min.@70 bar
Pilot Volume Displacement	.04 in ³	0,66 cc
Series (from Cavity)	Series 2	
Hysteresis	± 2 %	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Seal Kits - Cartridge	Buna: 990-052-007	
Seal Kits - Cartridge	Viton: 990-052-006	
Model Weight	1.09 lb.	0.49 kg.



FTCC-XYN

Control

Standard Options

X Not Adjustable

Spool Configuration

Standard Options

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

Seal Material

Standard Options

N Buna-N
V Viton