



in (mm)

CONFIGURATION

L	Control	Stroke Adjustment
X	Not Adjustable	Spool Configuration

This valve is a 2-way, 2-position proportional throttle. Ports 2 and 3 are normally closed. Pilot pressure at port 1 opposes the spring and creates a variable metering orifice between port 2 and 3 that is proportional to the pressure at 1. 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 port 4 directly opposes pressure at port 1. The valve uses a dual-path design. Ports 2 and 3 incorporate a double-port area.

TECHNICAL DATA

Maximum Operating Pressure	5000 psi
Pilot Pressure Required for Full Shift at Rated Flow	290 - 340 psi
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in ³ /min. @1000 psi
Pilot Volume Displacement	.05 in ³
Hysteresis	35 %
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-152-007
Seal kit - Cartridge	Viton: 990-152-006

NOTES: • When installed in Sun's standard T-52A line mount manifold, plug unused ports and expect higher pressure drops.

CONFIGURATION OPTIONS

Model Code Example: **FTCALXCN**

CONTROL	(L)	SPOOL CONFIGURATION	(C)
L Stroke Adjustment		C Normally Closed	
X Not Adjustable			