



This valve is a 2-way, 2-position proportional throttle. 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** 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
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Maximum Valve Leakage at 110 SUS (24 cSt)	10 in <sup>3</sup> /min. @1000 psi
Pilot Volume Displacement	.10 in <sup>3</sup>
Hysteresis	35 %
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-053-007
Seal kit - Cartridge	Viton: 990-053-006

**NOTES:** • When installed in Sun's standard T-53A line mount manifold, plug unused ports and expect higher pressure drops.

CONFIGURATION OPTIONS		Model Code Example: FTEALXCN			
CONTROL	(L)	SPOOL CONFIGURATION	(C)	SEAL MATERIAL	(N)
L	Stroke Adjustment	C	Normally Closed	N	Buna-N
X	Not Adjustable	H	Normally Open	V	Viton