



in (mm)

Three-position, 4-way directional cartridges are spring-centered, 6-port directional valves that can be configured from a choice of spool options. The supply port is port 3 and all ports will accept 5000 psi (350 bar). Capacity for these pilot-to-shift valves is dependent on the spool type specified.

TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-54A
Series	4
Capacity	80 gpm
Maximum Operating Pressure	5000 psi
Minimum Pilot Pressure Required to Shift Valve	200 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in ³ /min.@1000 psi
Pilot Volume Displacement	.26 in ³
Valve Hex Size	1 5/8 in.
Valve Installation Torque	350 - 375 lbf ft
Model Weight	5.9 lb
Seal kit - Cartridge	Buna: 990-054-007
Seal kit - Cartridge	Viton: 990-054-006

OPTION SELECTION EXAMPLE: DDHCXCNV

CONTROL	(X) SPOOL CONFIGURATION	(C) SEAL MATERIAL	(N)
X Not Adjustable	C Blocked Center	N Buna-N	
	B B to T Center	V Viton	
	D Blocked Center, Regen, P to B and A to T		
	H Open Center		
	R Regen Center		
	T Tandem Center		
	W A and B Bleed to T Center, Restrictive		
	Y A and B Bleed to T Center		

TECHNICAL FEATURES

- All ports will accept 5000 psi (350 bar), including the x and y pilot ports (port 5 and port 6).
- Leakage listed in technical data is for each path.
- Hardened spool and sleeve provide consistent and low spool leakage rates and excellent wear characteristics.
- 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.
- All ports will accept 5000 psi (350 bar), including the x and y pilot ports (port 1 and port 6).

PERFORMANCE CURVES



