



Two-position, detented, 4-way directional cartridges are 6-port directional valves that can be configured with up to 3 different 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-63A
Series	3
Capacity	40 - 60 gpm
Maximum Operating Pressure	5000 psi
Minimum Pilot Pressure Required to Shift Valve	125 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in ³ /min. @1000 psi
Pilot Volume Displacement	.34 in ³
Valve Hex Size	1 1/4 in.
Valve Installation Torque	150 - 160 lbf ft
Model Weight	1.88 lb.
Seal kit - Cartridge	Buna: 990-063-007
Seal kit - Cartridge	Polyurethane: 990-063-002
Seal kit - Cartridge	Viton: 990-063-006

OPTION SELECTION EXAMPLE: DCEDXCN

CONTROL	(X) SPOOL CONFIGURATION	(C) SEAL MATERIAL	(N) MATERIAL/COATING
X Standard Pilot	C Blocked Crossover	N Buna-N	Standard Material/Coating
	H Open Crossover	V Viton	/AP Stainless Steel, Passivated
	X P to B and A to T Crossover		/LH Mild Steel, Zinc-Nickel

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.
- The pilot ports, 5 and 6, are positively sealed from the work ports.
- 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.

PERFORMANCE CURVES

