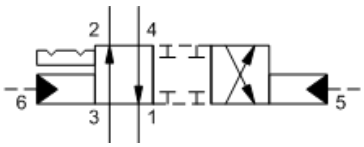
4-way, 2-position, pilot-to-shift, detented, directional valve

Capacity:
20 - 30 gpm (80 - 120 L/min.)

Model:
DCDD

Product Description

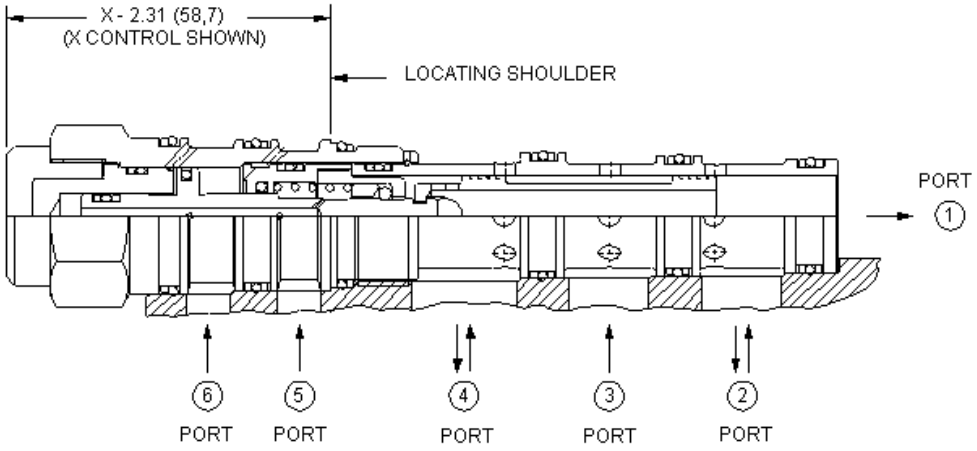
Two-position, detented, 4-way directional cartridges are 6-port directional valves that can be configured with up to 3 different spool options. The supply port is port 3 and all ports will accept 5000 psi (350 bar). Capacity for these pilot-to-shift valves is dependent on the spool type specified.



C-Spool

H-Spool

X-Spool



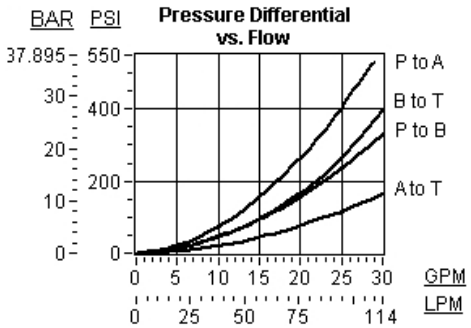
in. (mm)

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.

Technical Data

	U.S. Units	Metric Units
Cavity	T-62A	
Capacity	20 - 30 gpm	80 - 120 L/min.
Minimum Pilot Pressure Required to Shift Valve	150 psi	10,5 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	.12 in^3	2,0 cc
Series (from Cavity)	Series 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: 990-062-007	
Seal Kits - Cartridge	Viton: 990-062-006	
Model Weight	0.83 lb.	0.38 kg.



DCDD-XCN

Control	Spool Configuration	Seal Material
Standard Options	Standard Options	Standard Options
X Standard Pilot	C Blocked Crossover	N Buna-N
	H Open Crossover	V Viton
	X P to B and A to T Crossover	

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