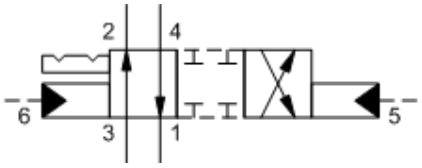
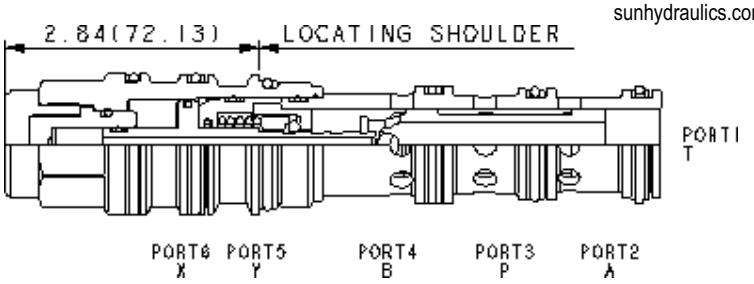
MODEL
DCED

4-way, 2-position, pilot-to-shift, detented, directional valve
SERIES 3 / CAPACITY: 40 - 60 gpm / CAVITY: T-63A

sunhydraulics.com/model/DCED



X-Control, C-Spool



CONFIGURATION

X	Control	Standard Pilot
C	Spool Configuration	Blocked Crossover
N	Seal Material	Buna-N
(none)	Material/Coating	

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
Seal kit - Cartridge	Buna: 990063007
Seal kit - Cartridge	Polyurethane: 990063002
Seal kit - Cartridge	Viton: 990063006
Model Weight	1.88 lb.

CONFIGURATION OPTIONS

Model Code 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

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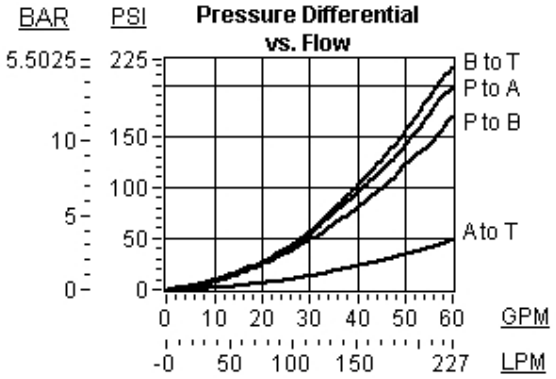

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