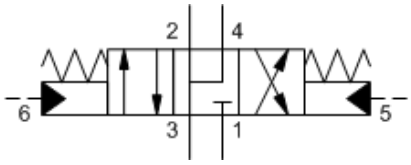
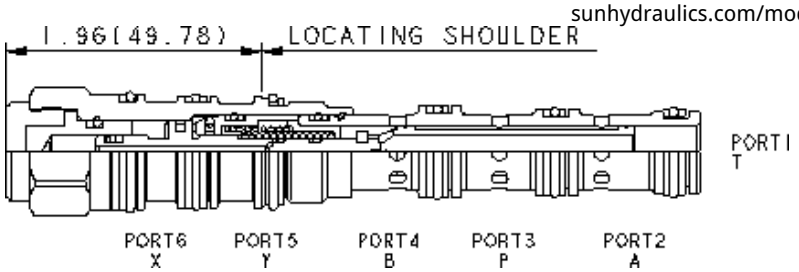
MODEL
# DCCC

4-way, 3-position, pilot-to-shift directional valve
**SERIES 1 / CAPACITY: 28 - 40 L/min. / CAVITY: T-61A**

sunhydraulics.com/model/DCCC



R-Spool




## CONFIGURATION

| | | |
|---|---|---|
| **X** | Control | Standard Pilot |
| **R** | Spool Configuration | Regen Center |
| **N** | Seal Material | Buna-N |
| **(none)** | Material/Coating | |

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-61A |
| Series | 1 |
| Capacity | 28 - 40 L/min. |
| Maximum Operating Pressure | 350 bar |
| Minimum Pilot Pressure Required to Shift Valve | 12 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 30 cc/min.@70 bar |
| Pilot Volume Displacement | 0,33 cc |
| Valve Hex Size | 22,2 mm |
| Valve Installation Torque | 41 - 47 Nm |
| Seal kit - Cartridge | Buna: 990061007 |
| Seal kit - Cartridge | Polyurethane: 990061002 |
| Seal kit - Cartridge | Viton: 990061006 |
| Model Weight | 0.20 kg. |

## CONFIGURATION OPTIONS

**Model Code Example: DCCCArray**

| CONTROL (X) | SPOOL CONFIGURATION (R) | SEAL MATERIAL (N) | MATERIAL/COATING |
|---|---|---|---|
| **X** Standard Pilot | **R** Regen Center | **N** Buna-N | Standard Material/Coating |
| | **A** A to T Center | **V** Viton | **/AP** Stainless Steel, Passivated |
| | **B** B to T Center | | **/LH** Mild Steel, Zinc-Nickel |
| | **C** Blocked Center | | |
| | **F** Closed Center, A and B to T | | |
| | **H** Open Center | | |
| | **N** P to A and B to T Center | | |
| | **T** Tandem Center | | |
| | **W** A and B Bleed to T Center | | |
| | **Y** A and B to T Center | | |

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## TECHNICAL FEATURES

- All ports will accept 5000 psi (350 bar), including the x and y pilot ports (port 5 and port 6).
- The reason for the different capacities, or performance limits, for the different spool configurations are flow forces. Flow forces are proportional to flow and pressure drop. Typically, they resist the opening of a passage. Spool configurations that open passages as they spring center are the most susceptible. If the flow forces due to the flow and pressure conditions exceed the centering spring force the valve may not shift completely. Higher flows may be used at lower pressures.
- 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

