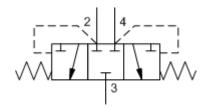


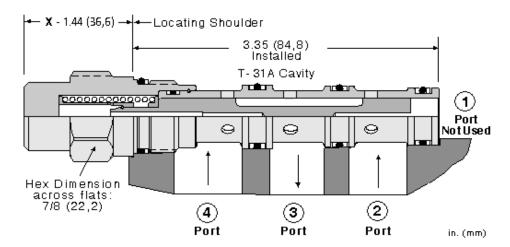
Direct-acting, low side, 3-position, shuttle valve

CAPACITY: 15 gpm / CAVITY: T-31A



sunhydraulics.com/model/DSCL





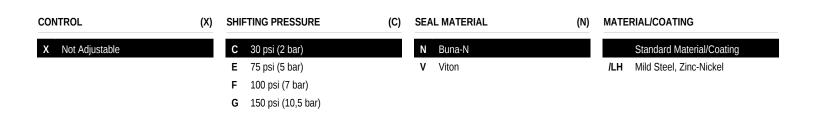
Low-side (hot oil) shuttle cartridges allow hot oil to be diverted from the low pressure side of a closed loop system. When both work ports (ports 2 and 4) are at equal pressures the valve is spring-centered to an all-ports-blocked position. When one of the work ports (port 2 or 4) sees a higher pressure the opposite work port is connected to the common port (port 3).

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

Cavity	T-31A
Series	1
Capacity	15 gpm
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	1 in³/min.@1000 psi
Valve Hex Size	7/8 in.
Valve Installation Torque	30 - 35 lbf ft
Model Weight	.40 lb
Seal kit - Cartridge	Buna: 990-031-007
Seal kit - Cartridge	Polyurethane: 990-031-002
Seal kit - Cartridge	Viton: 990-031-006

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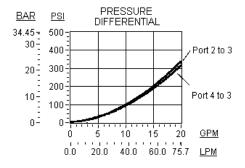
## **OPTION SELECTION EXAMPLE: DSCLXCGN**



## **TECHNICAL FEATURES**

- NOTE: Low shift values can potentially result in charge pump pressure alone inadvertently shifting the valve. Use care when selecting shift
  pressure.
- Although this valve goes into a 4-port cavity, the nose (port 1) is not used.
- This valve does not have a hydraulic stop and therefore has no pilot flow. Some circuits other than hydrostatic transmissions cannot tolerate the added leakage.
- 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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