



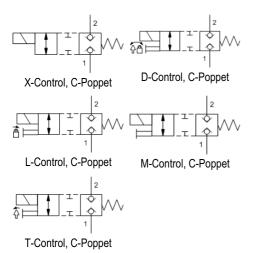
2-way, direct-acting, solenoid-operated directional blocking poppet valve with overlap

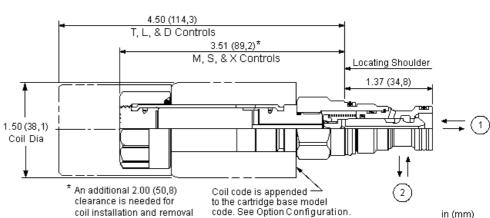
SERIES 1 / CAPACITY: 23 L/min. / CAVITY: T-13A



in (mm)

sunhydraulics.com/model/DTC





This solenoid-operated 2-way, 2-position cartridge is a direct-acting, poppet-style directional valve. The valve is only available in a normally closed configuration. Due to the poppet style construction, this valve has extremely low leakage.

Many poppet style directional valves pass a small amount of fluid when the pressure across them changes suddenly. This is due to the compressibility of the fluid. This valve has been designed to prevent this from

## **TECHNICAL DATA**

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	350 bar			
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@350 bar			
Manual Override Force Requirement	33 N/100 bar @ Port 1			
Manual Override Stroke	2,5 mm			
Response Time - Typical	50 ms			
Switching Frequency	15,000 max. cycles/hr			
Seal kit - Cartridge	Buna: 990413007			
Seal kit - Cartridge	Polyurethane: 990413002			
Seal kit - Cartridge	Viton: 990413006			

## **NOTES**

- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

## **CONFIGURATION OPTIONS**

## **Model Code Example: DTCAXCN**

CONTROL	(X)	SPOOL CONFIGURATION	(C)	SEAL MATERIAL	(N)	COIL *
X No Manual Override		C Normally Closed		N Buna-N		No coil
D Twist/Lock (Dual) Manual Override				E EPDM		212 DIN 43650-Form A, 12 VDC
L Twist/Lock (Detent) Manual Overrid	e			<b>V</b> Viton		224 DIN 43650-Form A, 24 VDC
M Manual Override						912 Deutsch DT04-2P, 12 VDC
T Twist (Momentary) Manual Override	Э					924 Deutsch DT04-2P, 24 VDC
						* Additional coil ontions are available

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