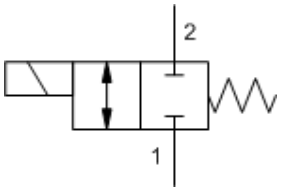
MODEL
DLUT

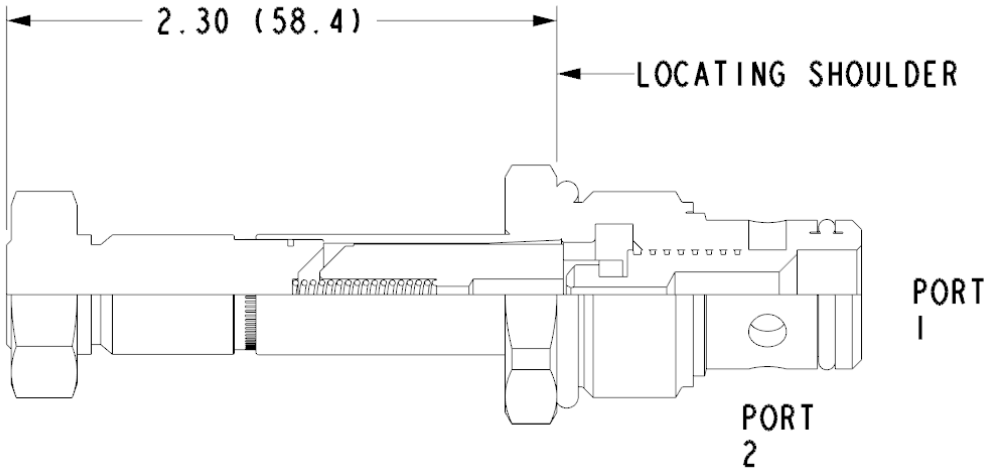
2-way, direct-acting, balanced spool, solenoid-operated directional valve, 3000 psi (210 bar) - common cavity

SERIES 1C / CAVITY: SC-10-02

sunhydraulics.com/model/DLUT



X-Control, C-Spool



CONFIGURATION

X	Control	-
C	Spool Configuration	Normally Closed
N	Seal Material	Buna-N
(none)	Coil	No coil

This solenoid-operated, 2-way, 2-position spool valve is a direct-acting, balanced spool directional valve. The valve is only available in the normally closed configuration.

This valve is designed to be used with the 780 Series coils.

TECHNICAL DATA

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

Cavity	SC-10-02
Series	
Series	1C
Capacity	6 gpm
Maximum Operating Pressure	3000 psi
Typical Valve Leakage at 110 SUS (24 cSt) Inlet on 1	9.5 in^3/min.@3000 psi
Typical Valve Leakage at 110 SUS (24cSt) Inlet on 2	2 in^3/min.@3000 psi
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Solenoid Tube Diameter	.50 in.
Valve Hex Size	25 mm
Coil Nut Torque	3.5 - 3.9 lbf ft
Valve Installation Torque	21 - 23 lbf ft
Model Weight	0.24 lb.

CONFIGURATION OPTIONS

Model Code Example: DLUTXCN

CONTROL (X)	SPOOL CONFIGURATION (C)	SEAL MATERIAL (N)	COIL *
X -	**C** Normally Closed	**N** Buna-N	No coil

* Additional coil options are available

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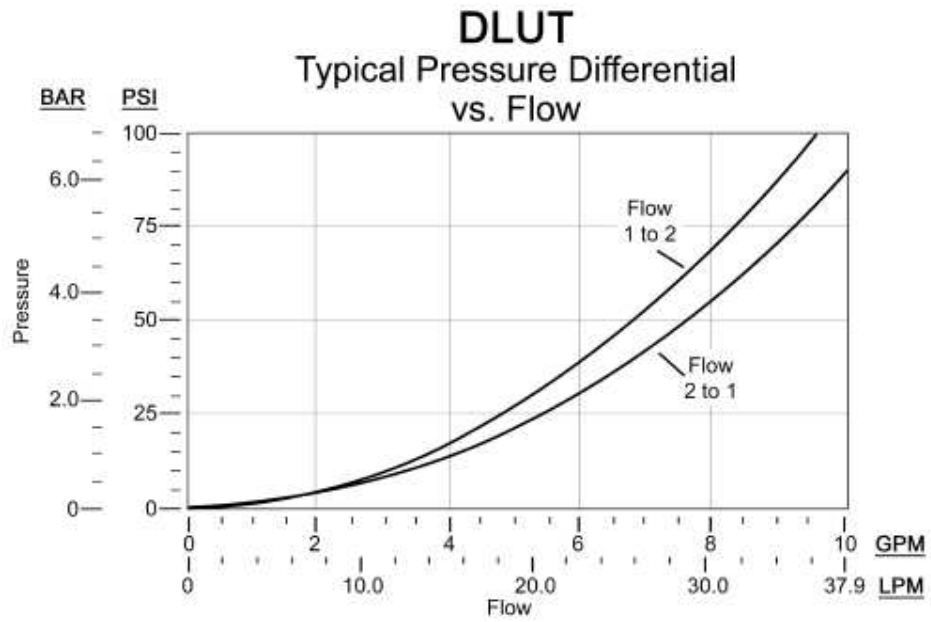
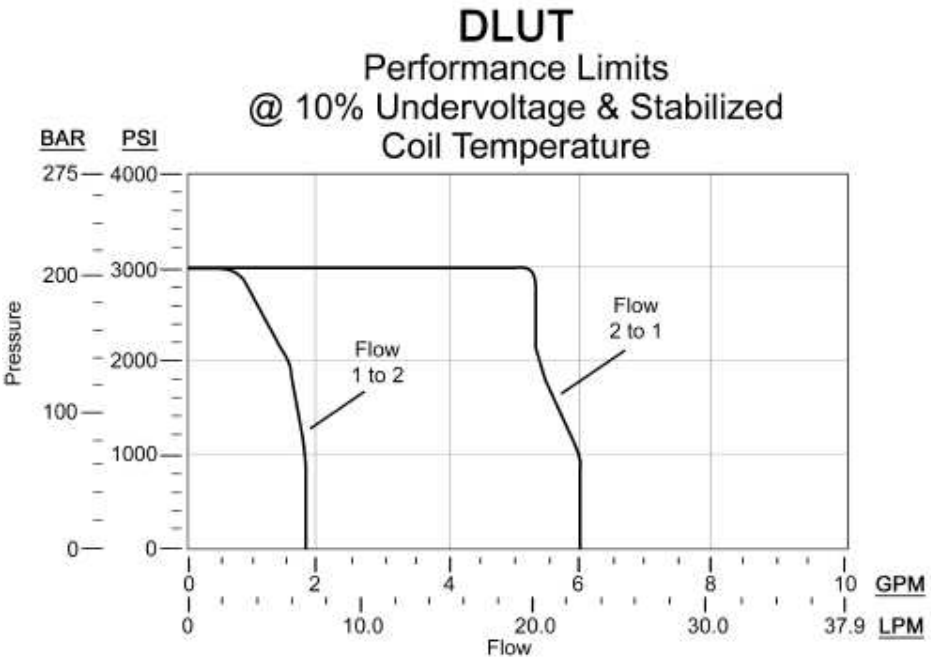
TECHNICAL FEATURES

- The solenoid tube assembly is fatigue rated for 3000 psi (210 bar) service.
- This valve is direct actuated and requires no minimum hydraulic pressure for operation.
- Coil connector options offer ratings up to IP69K. See individual coil product pages for details.
- All ports are rated to a maximum operating pressure of 3000 psi (210 bar).
- This valve features zinc plating on exposed surfaces.
- The cartridge installation torque of 22 lbf ft (30 Nm) should be respected for best performance.
- The metal coil nut is a functional feature of the valve and should be correctly installed for proper performance of the valve.
- This valve utilizes a wet armature design. This means that the working fluid surrounds the armature and is exposed to the heat generated by the coil. This can be a factor if the coil is energized for long periods of time. Some fluids, notably water/glycol mixtures, break down at these temperatures over time and form varnishes that will affect the function of the cartridge.
- Coils can be mounted on the tube in either direction.

PERFORMANCE CURVES





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