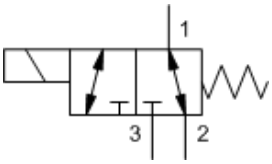
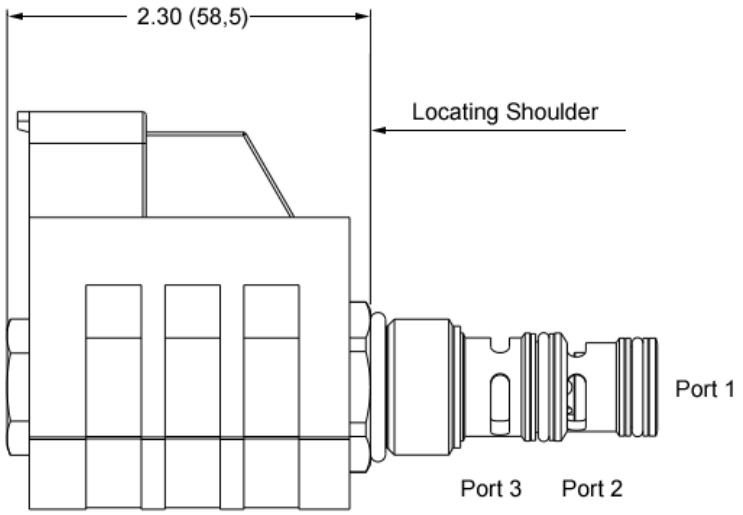
MODEL
DMUT

3-way, direct-acting, balanced spool, solenoid-operated directional valve, 3000 psi (210 bar) - common cavity
SERIES 1C / CAPACITY: 28 L/min. / CAVITY: SC-10-03

sunhydraulics.com/model/DMUT



X-Control, H-Spool



in (mm)

This solenoid-operated 3-way, 2-position cartridge is a direct-acting, balanced spool directional valve.

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-10-03
Series	1C
Capacity	28 L/min.
Maximum Operating Pressure	210 bar
Typical Valve Leakage at 110 SUS (24cSt)	39 cc/min.@210 bar
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Solenoid Tube Diameter	12,7 mm
Valve Hex Size	25 mm
Coil Nut Torque	4,8 - 5,3 Nm
Valve Installation Torque	32,5 - 37,9 Nm

CONFIGURATION OPTIONS

Model Code Example: DMUTXHN

CONTROL (X)	SPOOL CONFIGURATION (H)	SEAL MATERIAL (N)	COIL *
X -	**H** Normally Open 1 to 2, Closed 1 to 3	**N** Buna-N	No coil

* Additional coil options are available

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 metal coil nut is a functional feature of the valve and should be correctly installed for proper performance of the valve.
- The cartridge installation torque of 26 lbf ft (35 Nm) should be respected for best performance.
- 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.

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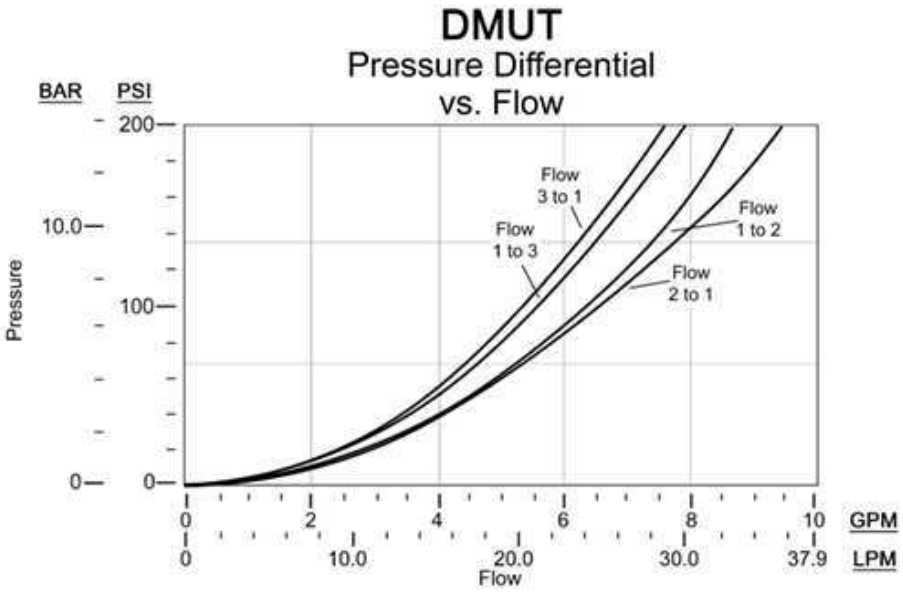
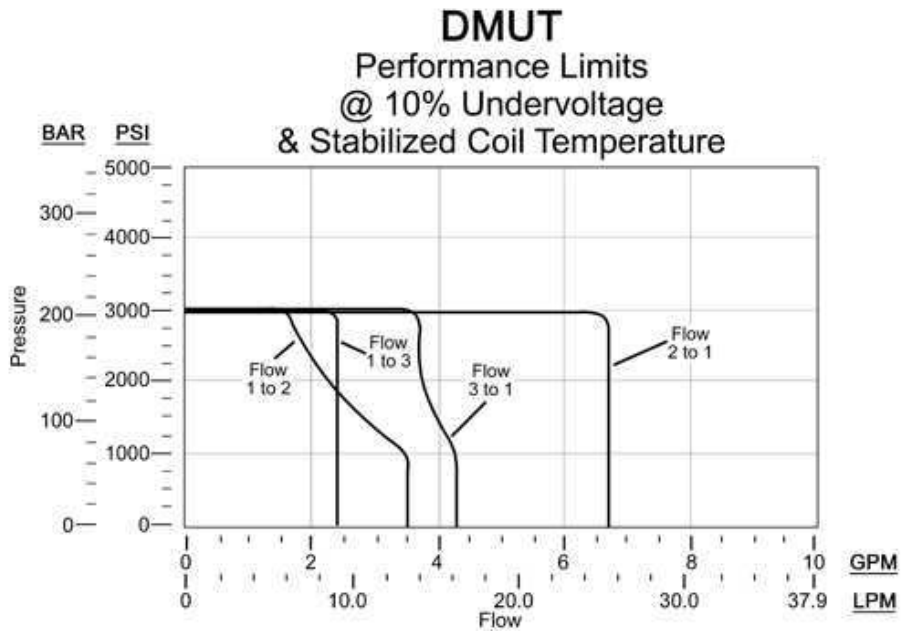
PERFORMANCE CURVES





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