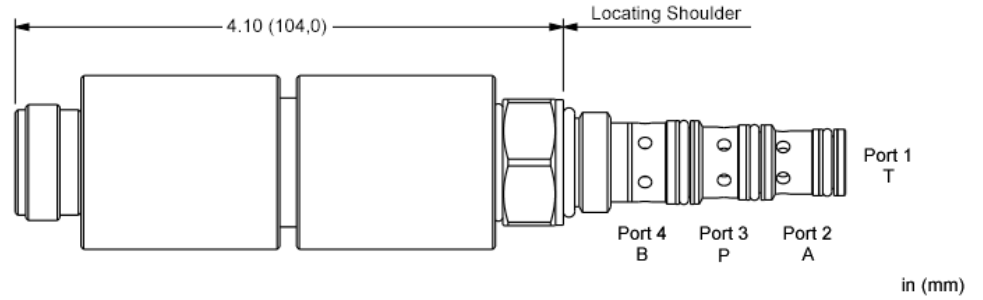
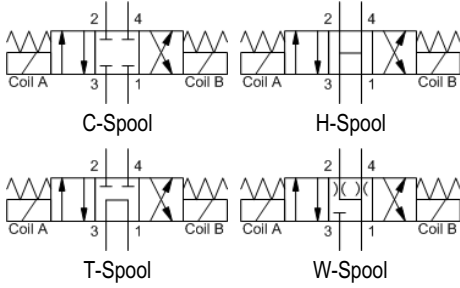




This direct acting, solenoid-operated, 4-way, 3-position spool valve is spring centered to the neutral position. When coil A is energized, the flow is from port 3 (P) to port 2 (B) and from port 4 (A) to port 1 (T). When coil B is energized, the flow is from port 3 to port 4 and from port 2 to port 1.

TECHNICAL DATA

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

Cavity	SC-08-04
Series	0C
Capacity	11 L/min.
Maximum Operating Pressure	210 bar
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Solenoid Tube Diameter	.51 in.
Valve Hex Size	24 mm
Valve Installation Torque	27 - 33 Nm
Model Weight	0.54 kg.

CONFIGURATION OPTIONS

Model Code Example: DNTCXCN

CONTROL	(X)	SPOOL CONFIGURATION	(C)	SEAL MATERIAL	(N)	COIL *
X No Manual Override		C Blocked Center		N Buna-N		No coil
		H Open Center				
		T Tandem Center				
		W A and B Bleed to T Center				

* Additional coil options are available

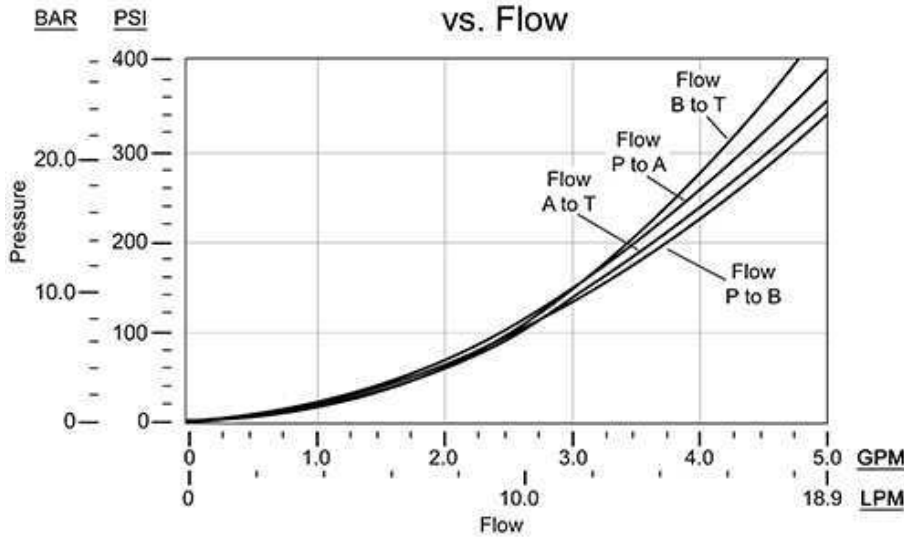
TECHNICAL FEATURES

- Max working pressure at Port 1 is 290 psi (20 bar). Max working pressure on all other ports is 3000 psi (210 bar).
- This valve is direct actuated and requires no minimum hydraulic pressure for operation.
- Coil connector options offer ratings up to IP67H. See individual coil product pages for details.
- The valve comes assembled with a ring spacer around the solenoid tube. This is meant to be placed in between the two coils to maintain them in the proper position.
- 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

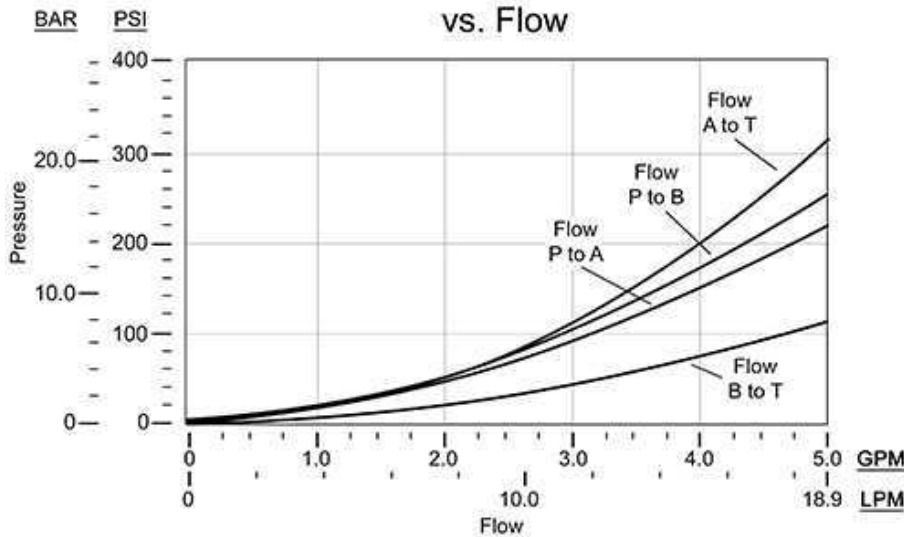
DNTC-XCN

Pressure Differential
vs. Flow



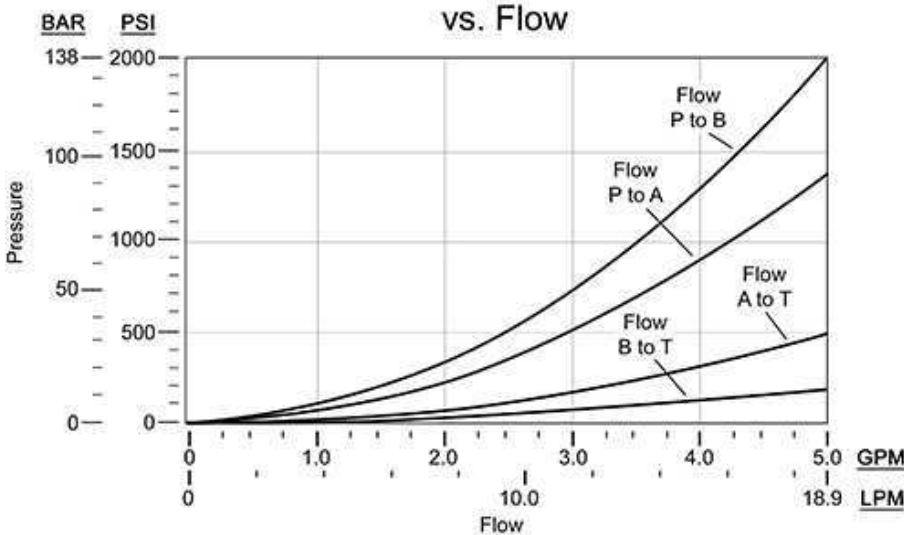
DNTC-XHN

Pressure Differential
vs. Flow



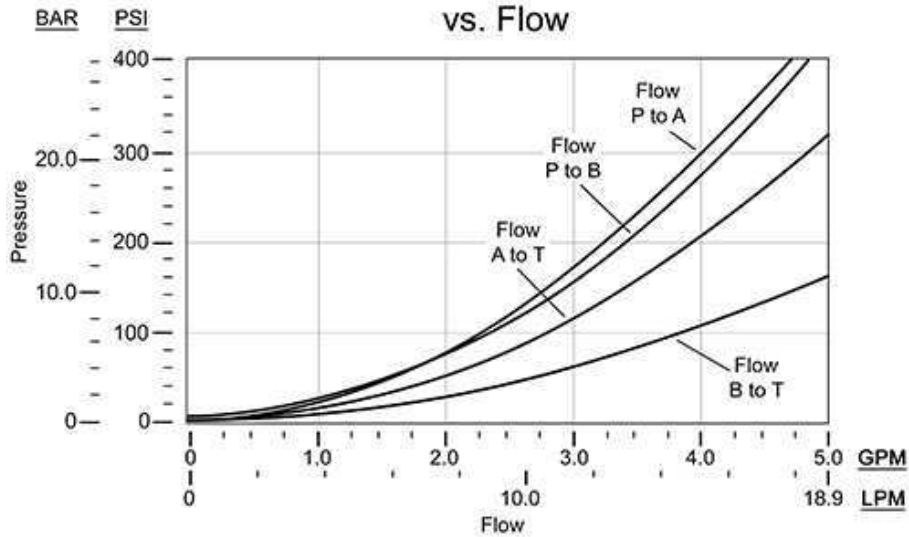
DNTC-XTN

Pressure Differential
vs. Flow



DNTC-XWN

Pressure Differential vs. Flow



DNTC

Performance Limits @ 10% Undervoltage & Stabilized Coil Temperature

