



This solenoid-operated, 2-way, 2-position cartridge is a pilot-operated, directional poppet valve. This valve offers 2-position/2-way directional control with a lower pressure drop than its direct-acting counterpart. The valve is available in the normally open and normally closed condition.

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

Cavity	SC-08-02
Series	0C
Capacity	12 gpm
Maximum Operating Pressure	5000 psi
Typical Valve Leakage at 110 SUS (24cSt)	15 drops/min. @1000 psi
Response Time - Typical	150 ms
Solenoid Tube Diameter	.51 in.
Coil Nut Torque	3.5 - 3.9 lbf ft
Valve Hex Size	7/8 in.
Valve Installation Torque	21 - 23 lbf ft
Model Weight	0.00 lb.

OPTION SELECTION EXAMPLE: DGTAXCN

CONTROL	(X)	SPOOL CONFIGURATION	(C)	SEAL MATERIAL	(N)	COIL
X No Manual Override		C Normally Closed		N Buna-N		No coil
L Manual Override (Push with Detent)		H Normally Open				

TECHNICAL FEATURES

- The normally open configuration allows up to 4.3 in³/min (70 mL/min) of leakage when below a pressure differential of 1000 psi (70 bar) between its ports.
- This valve does not guarantee low leakage and is not suitable for load-holding applications.
- The solenoid tube assembly is fatigue rated for 5000 psi (350 bar) service.
- All ports are rated to a maximum operating pressure of 5000 psi (350 bar).
- The cartridge installation torque of 22 lbf ft (30 Nm) is required for best performance.
- The valve is available with a manual push-type, with detent, override option (L control). This option is also fatigue rated for 5000 psi (350 bar).
- The valve is available with a manual unscrew-type override option (L control) on the normally closed configuration. This option is also fatigue rated for 5000 psi (350 bar).
- The metal coil nut is a functional feature of the valve and should be correctly installed for proper performance of the valve.
- Coil connector options offer ratings up to IP67. See individual coil product pages for details.
- Coils can be mounted on the tube in either direction.

PERFORMANCE CURVES

