

X-Control, C-Poppet

This is a 2 way, 2 stage, solenoid operated poppet valve with a reverse free flow check. The valve exhibits low leakage when closed and is available in either normally open or normally closed configuration, with or without a manual override. When open, the flow direction is from Port 2 to Port 1. When closed, a reverse free-flow check allows flow from Port 1 to Port 2. In the open position, flow from Port 1 to Port 2 is restricted to pilot flow only.

TECHNICAL DATA

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

Cavity	SC-08-02
Series	0C
Capacity	8 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	15 drops/min.
Response Time - Typical	60 ms
Valve Hex Size	7/8 in.
Valve Installation Torque	19 - 22 lbf ft
Model Weight	0.29 lb.

CONFIGURATION

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

CONFIGURATION OPTIONS

Model Code Example: DFTBArray

CONTROL	(X)	POPPET CONFIGURATION	(C)	SEAL MATERIAL	(N)	COIL *
X No Manual Override		C Normally Closed		N Buna-N		No coil
L Manual Override		H Normally Open				

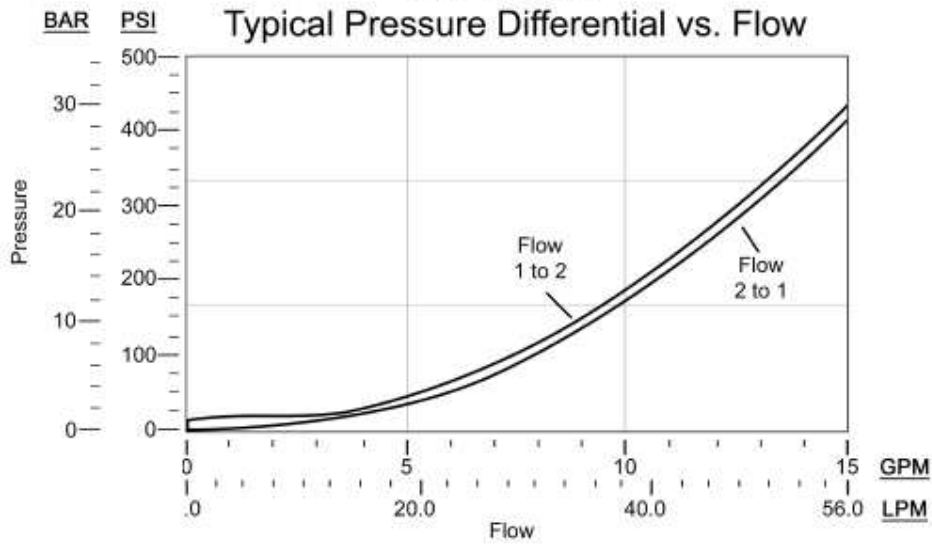
* Additional coil options are available

TECHNICAL FEATURES

- The solenoid tube assembly is fatigue rated for 5000 psi (350 bar) service.
- The cartridge installation torque of 22 lbf ft (30 Nm) should be respected for best performance.
- The check function offers very low leakage rates.
- All ports in all valve variants are rated to max operating pressure of 4300 PSI (300 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 valve is available with a manual push-type, with detent, override option (L control) on the normally open 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

DFTB-*C*



DFTB-*H*

