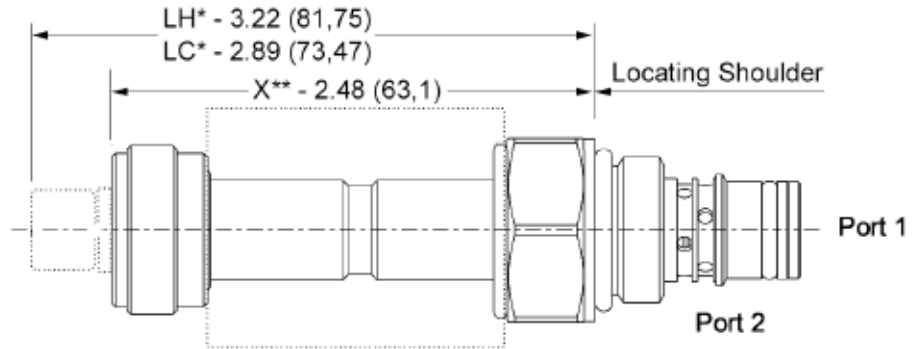


X-Control, C-Poppet



\*An additional 2.00 (50.8) clearance needed for coil installation and removal

Coil code is appended to the cartridge base model code. See CONFIGURATION section. in (mm)

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.

## OPTION SELECTION EXAMPLE: DFTBXCN

CONTROL	(X) POPPET CONFIGURATION	(C) SEAL MATERIAL	(N) COIL
<b>X</b> Not Adjustable	<b>C</b> Normally Closed	<b>N</b> Buna-N	No coil
<b>L</b> Manual Override - Adjustable	<b>H</b> Normally Open		<b>212</b> DIN 43650-Form A, 12 VDC
			<b>224</b> DIN 43650-Form A, 24 VDC

### 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

