



X-Control, C-Poppet



This FLeX Series solenoid-operated 2-way, 2-stage cartridge is a pilot-operated directional poppet valve. The valve is low leakage and available in either a normally open or normally closed configuration to control flow from port 2 to port 1. A reverse flow check will allow flow from 1 to 2 in the closed condition. In the open condition, flow from 1 to 2 will cause the valve to auto-close and pilot flow will pass from 1 to 2.

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

Maximum Operating Pressure	3000 psi
Check Cracking Pressure	50 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	0.004 in <sup>3</sup> /min.@3000 psi
Viscosity Range	35 - 2000 SUS
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Seal kit - Cartridge	Buna: 990-162-007
Seal kit - Cartridge	Viton: 990-162-006

- NOTES:**
- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
  - An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

**CONFIGURATION OPTIONS**

**Model Code Example: DFBDXCN**

CONTROL	(X)	POPPET CONFIGURATION	(C)	SEAL MATERIAL	(N)	COIL *
<b>X</b> No Manual Override		<b>C</b> Normally Closed		<b>N</b> Buna-N		No coil
<b>D</b> Twist/Lock (Dual) Manual Override		<b>H</b> Normally Open		<b>E</b> EPDM		* Additional coil options are available
<b>L</b> Twist/Lock (Detent) Manual Override				<b>V</b> Viton		
<b>M</b> Manual Override						
<b>P</b> Manual Pull Override						
<b>T</b> Twist (Momentary) Manual Override						