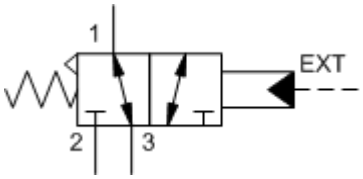
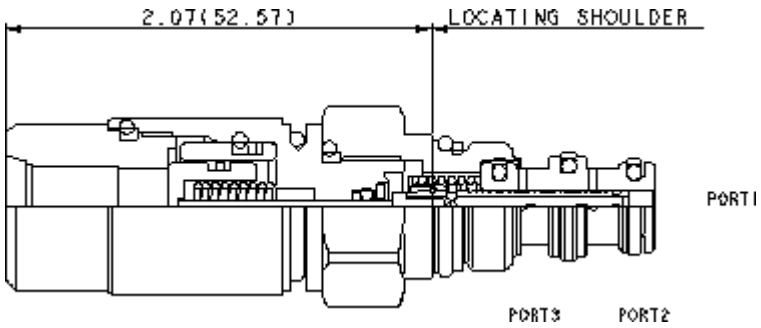


C-Spool



These pilot-stage, directional, 2-position, 3-way valves are hydraulically operated, spring-return cartridges and are available in two spool configurations; normally open 1 to 2 and normally open 1 to 3. These cartridges are designed for pilot flow applications.

TECHNICAL DATA

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

Cavity	T-9A
Series	P
Capacity	.25 gpm
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi
Minimum Pilot Pressure to Operate	See Technical Features
Pilot Control Port	See Control Options
Valve Hex Size	7/8 in.
Valve Installation Torque	20 - 25 lbf ft
Seal kit - Cartridge	Buna: 990-509-007
Seal kit - Cartridge	Viton: 990-509-006

OPTION SELECTION EXAMPLE: DBAHBHN

CONTROL	(B)
B	External 4-SAE Port
A	External 1/8 NPTF Port
D	External 1/8 BSPP Port

SPOOL CONFIGURATION	(H)
H	Normally Open 1 to 2, Closed 1 to 3
C	Normally Open 1 to 3, Closed 1 to 2

SEAL MATERIAL	(N)
N	Buna-N
V	Viton

MATERIAL/COATING	
	Standard Material/Coating
/AP	Stainless Steel, Passivated
/LH	Mild Steel, Zinc-Nickel

TECHNICAL FEATURES

- Different pilot control port options are available. See Option Selection for details.
- All ports will accept 5000 psi (350 bar) including the pilot control port.
- Hardened spool and sleeve provide consistent operation, low spool leakage rates and superior wear characteristics.
- The minimum pilot pressure required to operate the valve is determined by the following formula: pilot pressure = 85 psi + pressure @ Port 1 times .023. This results in a pilot pressure range of 85 to 200 psi. In metric; pilot pressure = 6 bar + pressure @ Port 1 times 0,023. This results in a pilot pressure of 6 to 14 bar.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES