

CONFIGURATION

F	Control	External 1/8 NPTF Port
C	Spool Configuration	Normally Open 1 to 3, Closed 1 to 2
V	Seal Material	Viton
(none)	Material/Coating	Standard Material/Coating

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

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	20 [+ port 1 press./100] psi
Pilot Control Port	See Control Options
Valve Hex Size	7/8 in.
Valve Installation Torque	20 - 25 lbf ft
Seal kit - Cartridge	Buna: 990509007
Seal kit - Cartridge	Viton: 990509006
Model Weight	0.33 lb.

CONFIGURATION OPTIONS

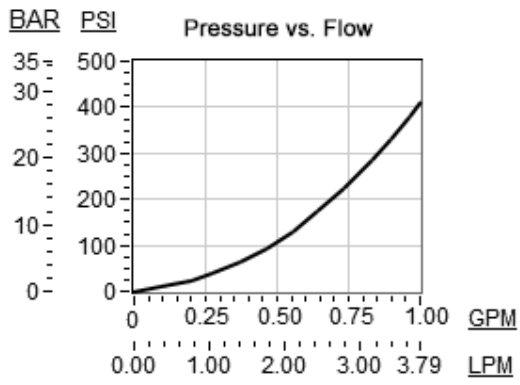
Model Code Example: DBAPFCV

CONTROL	(F) SPOOL CONFIGURATION	(C) SEAL MATERIAL	(V) MATERIAL/COATING
F External 1/8 NPTF Port	C Normally Open 1 to 3, Closed 1 to 2	V Viton	Standard Material/Coating
E External 4-SAE Port	H Normally Open 1 to 2, Closed 1 to 3	E EPDM	/AP Stainless Steel, Passivated
P External 1/8 BSPP Port		N Buna-N	

TECHNICAL FEATURES

- Different pilot control port options are available. See Option Selection for details.
- 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 = 20 psi + pressure @ Port 1 divided by 100. This results in a pilot pressure range of 20 to 70 psi. In metric; pilot pressure = 1,4 bar + pressure @ Port 1 divided by 100. This results in a pilot pressure of 1,4 to 5 bar.
- All ports will accept 5000 psi (350 bar) with the exception of the pilot port which accepts 500 psi (35 bar) max.
- 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



RELATED MODELS

- [DBAPA](#) Model
- [DBAPB](#) Model
- [DBAPD](#) Model