



3-way, air-operated, spool directional valve - pilot capacity

Capacity:
.25 gpm (1 L/min.)

Functional Group:

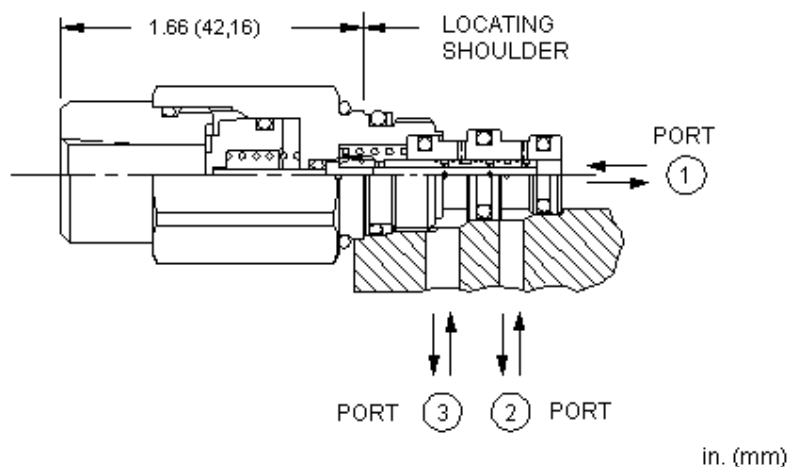
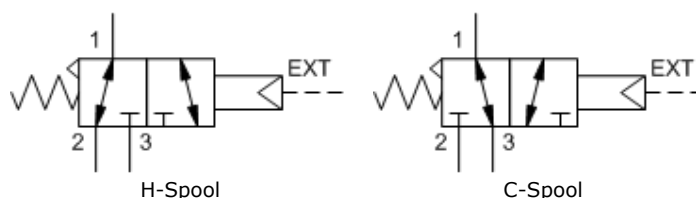
Products : Cartridges : Pilot Control - Directional : 3 way : Spool, Air Operated

Model:

DBAP

Product Description

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.

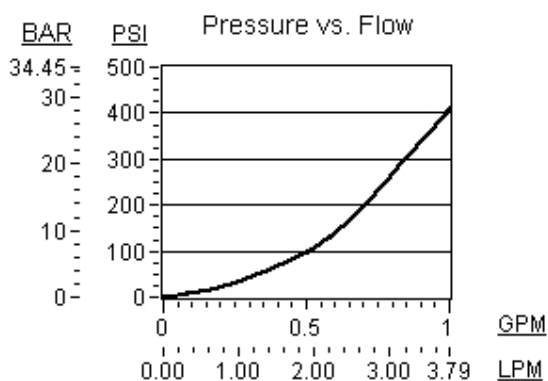


Technical Features

- 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.

Technical Data

	U.S. Units	Metric Units
Cavity	T-9A	
Capacity	.25 gpm	1 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi	0,7 cc/min.@350 bar
Minimum Pilot Pressure to Operate	20 [+ port 1 press./100] psi	1,5 [+ port 1 press./100] bar
Pilot Control Port	See Control Options	
Series (from Cavity)	Series P	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Seal Kits - Cartridge	Buna: 990-509-007	
Seal Kits - Cartridge	Viton: 990-509-006	
Model Weight	0.32 lb.	0.15 kg.

**DBAP-FCN****Control****Standard Options**

- E** External 4-SAE Port
- F** External 1/8 NPTF Port
- P** External 1/8 BSPP Port

Spool Configuration**Standard Options**

- C** Normally Open 1 to 3, Closed 1 to 2
- H** Normally Open 1 to 2, Closed 1 to 3

Seal Material**Standard Options**

- N** Buna-N
- V** Viton

Stainless options not available for this model