

2-way, manually-operated, spool directional valve - pilot capacity

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

Functional Group:

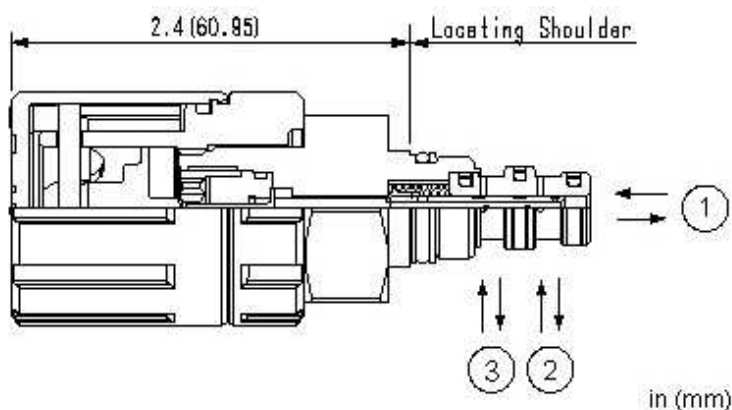
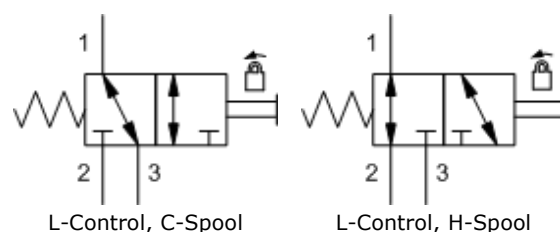
Products : Cartridges : Pilot Control - Directional : 3 way : Spool, Manually Operated

Model:

DBAM

Product Description

These pilot-stage, directional, 2-position, 3-way valves are manually operated 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. Manual operation is achieved via Sun's Twist/Lock manual override mechanism and is designed for intermittent (infrequent) use only.

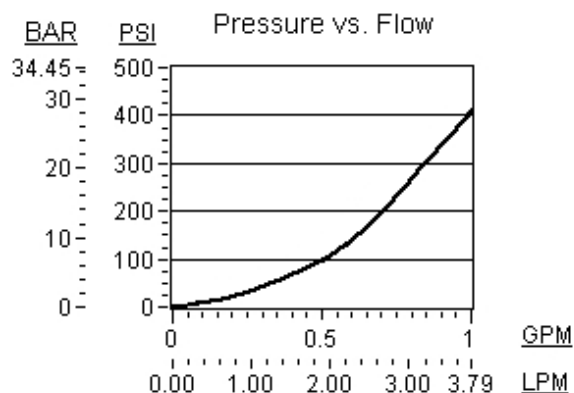


Technical Features

- This valve is designed for intermittent use such as a manual override. The manual control assembly has a mechanical life expectancy of about 10,000 cycles.
- The manual control assembly can be easily replaced in the field without removing the cartridge from the manifold or main stage element.
- The momentary/twist control option "T" allows the operator to momentarily shift the valve by twisting the knob clockwise and releasing. Once released, the valve returns to its normal position.
- The detent/lock control option "L" allows the operator to shift the valve into a mechanically detented position by twisting the knob counter-clockwise. This detented position will be maintained until the operator twists the knob clockwise and allows the valve to return to its normal position.
- The dual-operation control option "D" allows the operator to either shift the valve momentarily by twisting the knob clockwise or shift it into a mechanically detented position by twisting counter-clockwise.
- The control on this valve is meant to be operated by a person's hand. The control should not be modified, for instance fastening a lever to the knob. Under no circumstances should the control be operated by other mechanical devices.
- Hardened spool and sleeve provide consistent operation, low spool leakage rates and superior wear characteristics.
- 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
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: 990-109-007
Seal Kits - Cartridge		Viton: 990-109-006
Model Weight	0.43 lb.	0.20 kg.

**DBAM-LCN****Control****Spool Configuration****Seal Material****Standard Options****Standard Options****Standard Options**

- D** Twist/Lock (Dual) Manual Override
- L** Twist/Lock (Detent) Manual Override
- T** Twist Manual Override

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

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

Stainless options not available for this model