



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

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

Functional Group:

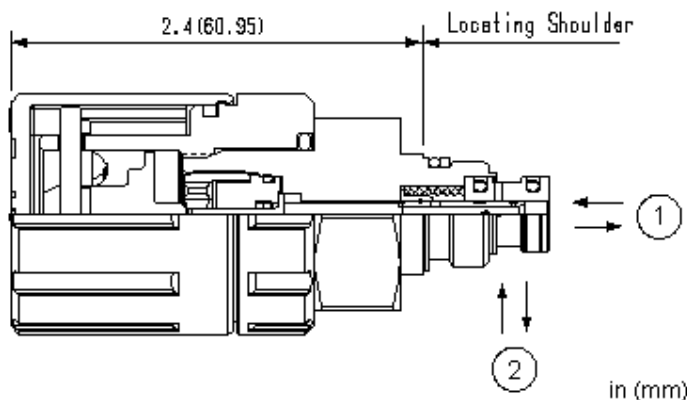
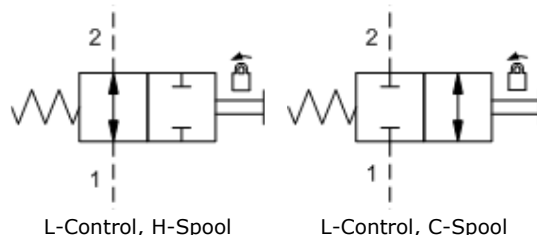
Products : Cartridges : Pilot Control - Directional : 2 way : Spool, Manually Operated

Model:

DAAM

Product Description

These pilot-stage, directional, 2-position, 2-way valves are manually operated cartridges and are available in either a normally open or normally closed configuration. These cartridges are designed for pilot flow applications and utilize Sun's T-8A cavity so they can be used in conjunction with Sun's pilot-operated, main-stage valves. Manual operation is achieved via Sun's Twist/Lock manual override mechanism and is designed for intermittent (infrequent) use only.

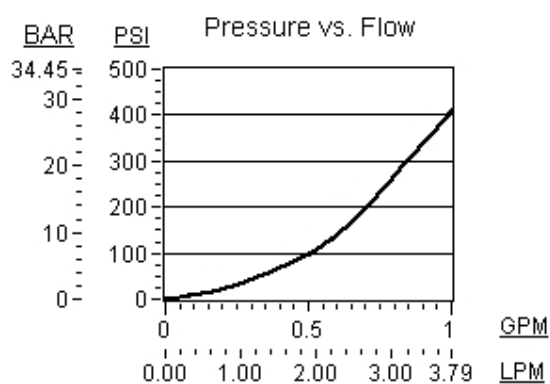


Technical Features

- 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.
- Utilizes the Sun T-8A 2-port cavity making it the ideal choice to use in conjunction with Sun's main stage pilot or vent-to-operate cartridges. Separate pilot lines are eliminated and only one cavity needs to be machined to accommodate both the control and primary function. Note: All 2-position, 2-way pilot stage control cartridges utilize the same cavity and are physically interchangeable. Functionality is the only consideration.
- The preferred flow path through the valve is port 2 to port 1.
- 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.
- Note: The main stage valve should first be installed to the correct torque value followed by the T-8A pilot control section into the main stage valve to its required torque value.

Technical Data

	U.S. Units	Metric Units
Cavity		T-8A
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
Operating Torque	10 lbf in.	1,2 Nm
Series (from Cavity)		Series P
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Seal Kits - Cartridge		Buna: 990-108-007
Seal Kits - Cartridge		Viton: 990-108-006
Model Weight	0.41 lb.	0.19 kg.

**DAAM-LCN****Control****Standard Options**

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

Spool Configuration**Standard Options**

- C** Normally Closed
- H** Normally Open

Seal Material**Standard Options**

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

Stainless options not available for this model