



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

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

Functional Group:

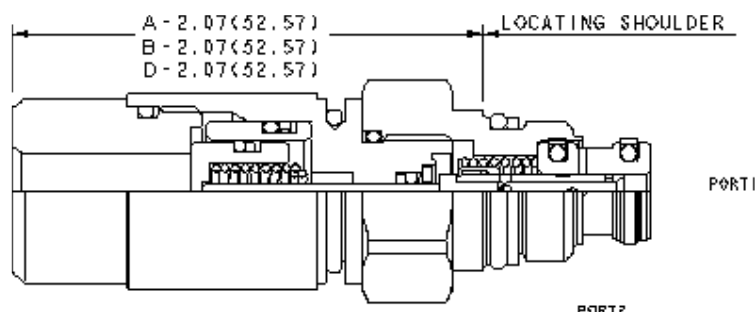
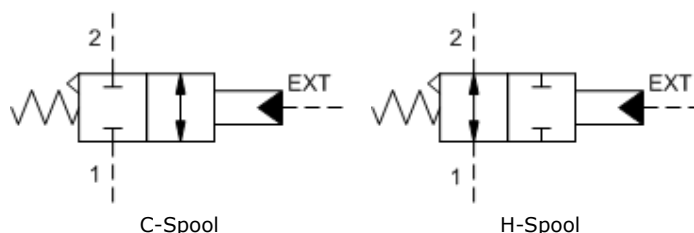
Products : Cartridges : Pilot Control - Directional : 2 way : Spool, Hydraulically Operated

Model:

DAAH

Product Description

These pilot-stage, directional, 2-position, 2-way valves are hydraulically operated, spring-return 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.

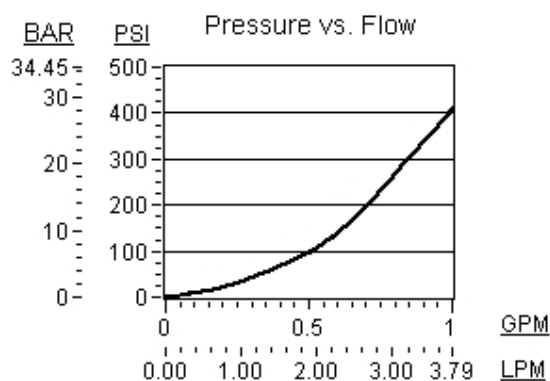


Technical Features

- 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.
- 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.
- The preferred flow path through the valve is port 2 to port 1.
- 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.

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)	5 drops/min.	0,3 cc/min.
Minimum Pilot Pressure to Operate	See Technical Features	
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: 990-508-007	
Seal Kits - Cartridge	Viton: 990-508-006	
Model Weight	0.31 lb.	0.14 kg.

**DAAH-BCN****Control****Spool Configuration****Seal Material****Standard Options****Standard Options****Standard Options**

- A** External 1/8 NPTF Port
B External 4-SAE Port
D External 1/8 BSPP Port

- C** Normally Closed
H Normally Open

- N** Buna-N
V Viton

Stainless options not available for this model