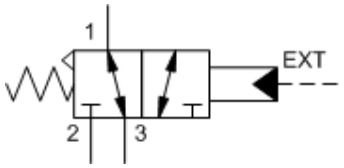
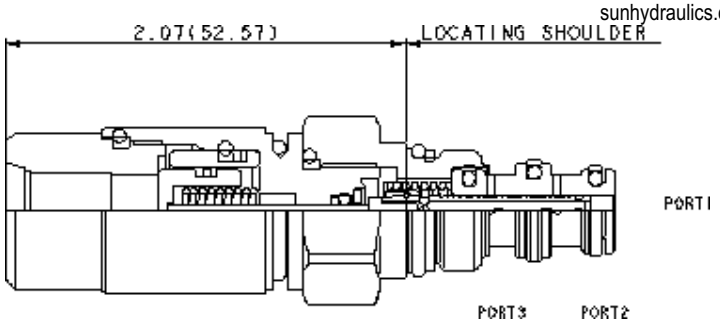
MODEL
DBAH

3-way, hydraulically operated, spool directional valve - pilot capacity
SERIES P / CAPACITY: .25 gpm / CAVITY: T-9A

sunhydraulics.com/model/DBAH



C-Spool



CONFIGURATION

B	Control	External 4-SAE Port
C	Spool Configuration	Normally Open 1 to 3, Closed 1 to 2
N	Seal Material	Buna-N
(none)	Material/Coating	

These pilot-stage, directional, 2-position, 3-way valves are hydraulically operated, spring-return 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.

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	See Technical Features
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: DBAHBCN

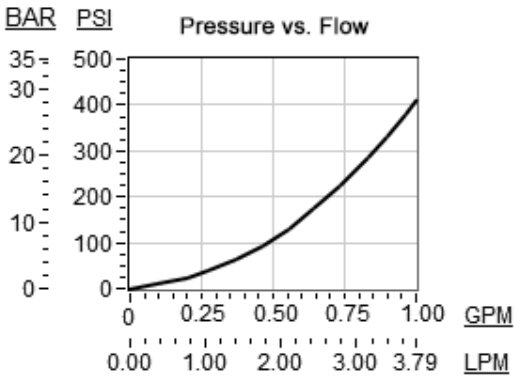
CONTROL (B)	SPOOL CONFIGURATION (C)	SEAL MATERIAL (N)	MATERIAL/COATING
B External 4-SAE Port	**C** Normally Open 1 to 3, Closed 1 to 2	**N** Buna-N	Standard Material/Coating
A External 1/8 NPTF Port	**H** Normally Open 1 to 2, Closed 1 to 3	**V** Viton	**/AP** Stainless Steel, Passivated
D External 1/8 BSPP Port			**/LH** Mild Steel, Zinc-Nickel

TECHNICAL FEATURES

- 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.

PERFORMANCE CURVES

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