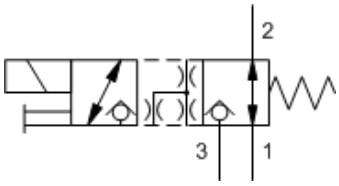
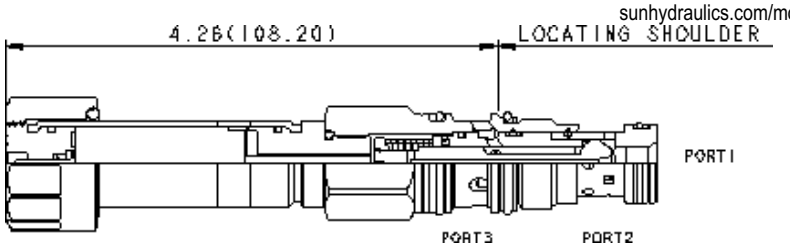
MODEL
DWDA

3-way, direct-acting, solenoid-operated directional poppet valve
SERIES 1 / CAPACITY: 7.5 gpm / CAVITY: T-11A

sunhydraulics.com/model/DWDA



M-Control



This solenoid-operated 3-way, 2-position cartridge is a direct-acting, poppet-style directional valve. The valve is normally open between port 1 and port 2 with port 3 blocked. Energizing the valve connects port 2 to 3 and blocks port 1. All flow paths are bidirectional and blocked paths are blocked in both directions. Due to the poppet style construction, this valve has extremely low leakage.

CONFIGURATION

M	Control	Manual Override (Standard)
A	Poppet Configuration	Normally Open 1 to 2, Closed 2 to 3
N	Seal Material	Buna-N
(none)	Coil	No coil

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi
Manual Override Force Requirement	5 lbs/1000 psi @ Port 1
Manual Override Stroke	.10 in.
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Seal kit - Cartridge	Buna: 990411007
Seal kit - Cartridge	Viton: 990411006

NOTES

- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS

Model Code Example: DWDAMAN

CONTROL (M)	POPPET CONFIGURATION (A)	SEAL MATERIAL (N)	COIL *
M Manual Override (Standard)	**A** Normally Open 1 to 2, Closed 2 to 3	**N** Buna-N	No coil
X No Manual Override		**E** EPDM	**212** DIN 43650-Form A, 12 VDC
D Twist/Lock (Dual) Manual Override		**V** Viton	**224** DIN 43650-Form A, 24 VDC
L Twist/Lock (Detent) Manual Override			**912** Deutsch DT04-2P, 12 VDC
T Twist (Momentary) Manual Override			**924** Deutsch DT04-2P, 24 VDC

* Additional coil options are available

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