

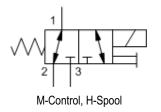


3-way solenoid-operated directional spool valve - pilot capacity

SERIES P / CAPACITY: .25 gpm / CAVITY: T-9A

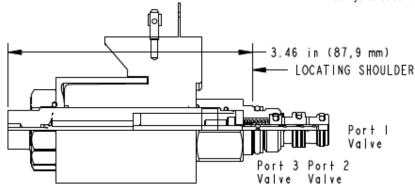


sunhydraulics.com/model/DBAF



CONFIGURATION

М	Control	Manual Override (Standard)			
Н	Spool Configuration	Normally Open			
N	Seal Material	Buna-N			
224 Coil		DIN 43650-Form A, 24 VDC			



This solenoid-operated 3-way, 2-position cartridge is a direct-acting, balanced spool pilot valve used to pilot other full-flow valves. The valve is normally open between port 1 and port 2 or port 1 and port 3 and all flow paths are bidirectional.

This valve is designed to be used with 740 and 747 Series coils.

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	10 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: 990009007		
Seal kit - Cartridge	Polyurethane: 990009002		
Seal kit - Cartridge	Viton: 990009006		

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

X No Manual Override

Model Code Example: DBAFMHN224

CONTROL	(M) SPOOL CONFIGURATION	(H)	SEAL MATERIAL	(N)	COIL*	(224)
M Manual Override (Standard)	H Normally Open		N Buna-N		224 DIN 43650-Form A, 24 VDC	
D Twist/Lock (Dual) Manual Override	C Normally Closed		E EPDM		No coil	
L Twist/Lock (Detent) Manual Override	9		V Viton		* Additional coil options are available	
T Twist (Momentary) Manual Override						

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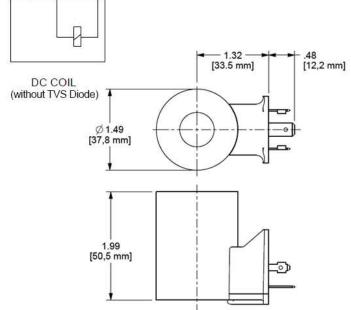
MODEL **740224**





CONFIGURATION

sunhydraulics.com/model/740224



TECHNICAL DATA

Operating Temperature Range	-40 to 230 °F
Arc Suppression (TVS)	None
Power Consumption (cold) - at rated voltage	25 Watts
Maximum Ambient Temperature	122 °F
Voltage/Frequency	24 VDC
Operating Voltage Range	+10%/-15%
Duty Cycle Rating	100 %
Connector	ISO4400 - EN/DIN175301-803, Form A (ISO/DIN 43650) 3-pin
Coil Nut Torque	4.5 lbf in.

USED WITH

DBAF	DFBF	DFBG	DLDF	DMBF	DNBF	DTAF	DTBF	DTDF	DWDF
FPBF	FPBG	FPBI	FPBJ	FPBU	RVCK	RVCL	RVCM	RVCN	991711300
001711600	001712300	001712600	001713030	001713060	0017/1001	YMD01	XMD-03		

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