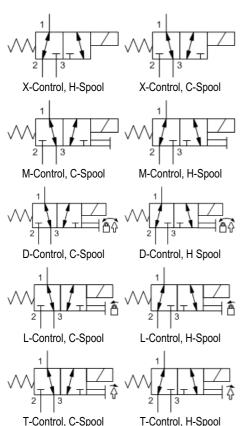


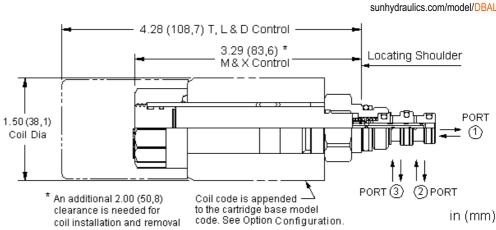
MODEL DBAL

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

## SERIES P / CAPACITY: 1 L/min. / CAVITY: T-9A







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.

#### **TECHNICAL DATA**

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

Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@350 bar
Manual Override Force Requirement	66 N/100 bar @ Port 1
Manual Override Stroke	2,5 mm
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Seal kit - Cartridge	Buna: 990009007
Seal kit - Cartridge	EPDM: 990309114
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**

## Model Code Example: DBALXHN

CONTROL	(X)	SPOOL CONFIGURATION	(H	1)	SEAL MATERIAL	(N)	COIL *

C Normally Open 1 to 3, Closed 1 to 2

## X No Manual Override

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

H Normally Open 1 to 2, Closed 1 to 3 N Buna-N

**E** EPDM

V Viton

# No coil

**212** DIN 43650-Form A, 12 VDC **224** DIN 43650-Form A, 24 VDC **912** Deutsch DT04-2P, 12 VDC

924 Deutsch DT04-2P, 24 VDC

\* Additional coil options are available

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