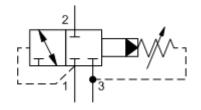
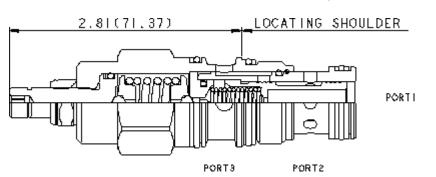


2-way, pilot-operated, directional valve with internal drain to port 3 - normally closed CAPACITY: 15 gpm / CAVITY: T-2A



sunhydraulics.com/model/DPCB





Normally closed, pilot-operated, 2-way directional cartridges are switching devices typically used in moderate flow circuits. They can be used by themselves or to actuate larger pilot-operated directional cartridges or logic cartridges. The valve shifts when the pressure differential between port 1 and port 3 exceeds the setting.

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

Cavity	T-2A			
Series	2			
Capacity	15 gpm			
Maximum Operating Pressure	5000 psi			
Control Pilot Flow	10 - 15 in³/min.			
Factory Pressure Settings Established at	4 gpm			
Maximum Valve Leakage at 110 SUS (24 cSt)	1 in ³ /min.@1000 psi			
Adjustment - No. of CW Turns from Min. to Max. setting	5			
Valve Hex Size	1 1/8 in.			
Valve Installation Torque	45 - 50 lbf ft			
Adjustment Screw Internal Hex Size	5/32 in.			
Locknut Hex Size	9/16 in.			
Locknut Torque	80 - 90 lbf in.			
Model Weight	0.60 lb.			
Seal kit - Cartridge	Buna: 990-202-007			
Seal kit - Cartridge	Polyurethane: 990-002-002			
al kit - Cartridge Viton: 990-202-006				

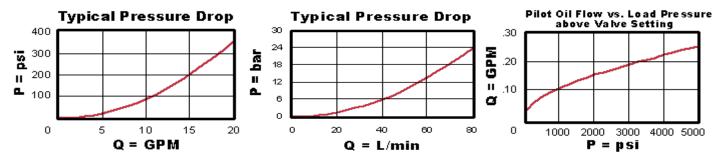
NOTES: • For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

OPTION SELECTION EXAMPLE: DPCBLAN

CONTROL (L)		ADJUSTMENT RANGE (A)		SEAL MATERIAL	(N)	MATERIAL/COATING	
 L Standard Screw Adjustment C Tamper Resistant - Factory 		A 100 - 3000 psi (7 - 210 b psi (70 bar) Standard Se		N Buna-N V Viton		/AP	Standard Material/Coating Stainless Steel, Passivated
K Handknob		B 50 - 1500 psi (3,5 - 105 k psi (70 bar) Standard Se	,.				
		C 150 - 6000 psi (10,5 - 42 1000 psi (70 bar) Standa	,				
		D 25 - 800 psi (1,7 - 55 bar (28 bar) Standard Setting					
		E 25 - 400 psi (1,7 - 28 bar (14 bar) Standard Setting					
		W 150 - 4500 psi (10,5 - 31 1000 psi (70 bar) Standa					

TECHNICAL FEATURES

- Pressure at port 3 is directly additive to the setting of the valve. Because of this, port 3 may not be useable as a work port in your circuit. If this is a consideration, the 4 port version of this valve may be a solution.
- Direct-acting and pilot-operated versions of these valves are interchangeable. They fit the same cavities and have the same flow paths.
- This valve is not bistable; it is capable of modulating between the two positions shown.
- Maximum pressure at port 3 should be limited to 3000 psi (210 bar). This is due to fatigue strength limits not hydraulic operating limits.
- When pilot pressure exceeds the valve setting, pilot flow may be a consideration. See performance curves for pilot consumption vs. load pressure above the valve setting. If this is a problem, the direct acting version of this valve would be a solution.
- 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

