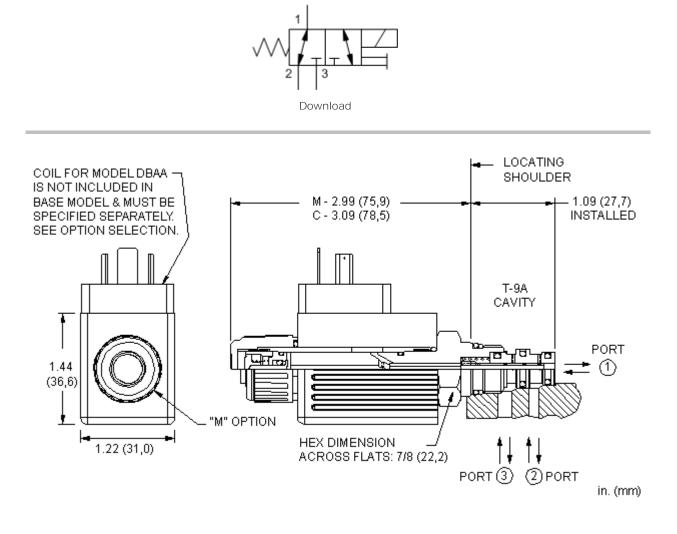


3-way, 2-position, solenoid-operated directional spool valve - pilot capacity	Capacity: .25 gpm (1 L/min.)
Functional Group:	Model:
Products : Cartridges : Directional : 3 Way : Solenoid Operated Spool	DBAA-MHN

Product Description

This solenoid-operated, 2-position, 3-way 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.



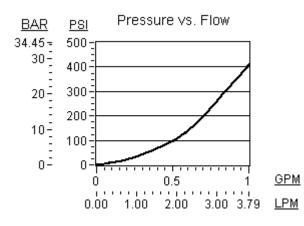
Technical Features

- This valve is direct actuated and requires no minimum hydraulic pressure for operation.
- 10 drops/min. @ 5000 psi (350 bar).
- Highly efficient tube design requires only 12 Watts to shift the valve.
- Valves exhibit extremely low leakage rates; less than . This valve utilizes a wet armature design. This means that the working fluid surrounds the armature and is exposed to the heat generated by the coil. This can be a factor if the coil is energized for long periods of time. Some fluids, notably water/glycol mixtures, break down at these temperatures over time and form varnishes that will affect the function of the

cartridge.

- A wide variety of coil termination and voltage options Coils are interchangeable with other Sun Series P are available.
- 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.
- pilot solenoid products and can be mounted on the tube in either direction.

Technical Data		
	U.S. Units	Metric Units
Model Weight	0.33 lb.	0.15 kg.
Cavity	Т-9А	
Capacity	.25 gpm	1 L/min.
Manual Override Force Requirement	10 lbs/1000 psi @ Port 1	6,6 kgs/100 bar @ Port 1
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi	10 drops/min.@350 bar
Response Time - Typical	30 ms	
Series (from Cavity)	Series P	
Switching Frequency	15000 cycles/hr	
Solenoid Tube Diameter	.56 in.	14,2 mm
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	25 - 30 lbf ft	35 - 40 Nm
Seal Kits	Buna: 990-009-007	
Seal Kits	Viton: 990-009-006	



DBAA-MHN



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