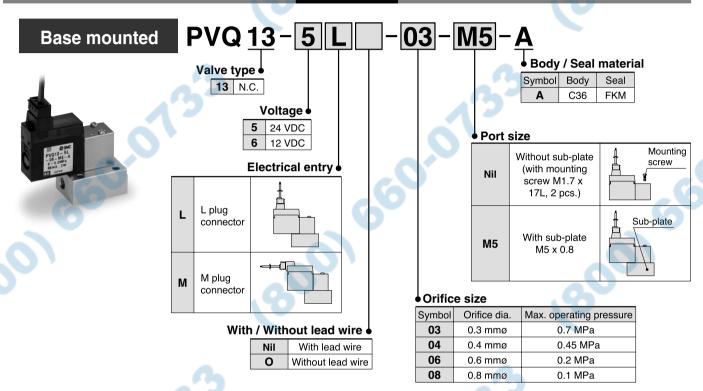
Compact Proportional Solenoid Valve Series PVQ10

How to Order



Specifications

S	Valve construction	Direct operated poppet				
<u></u>	Fluid	Air, Inert gas				
cati	Seal material	FKM				
rd specification	Body material	C36				
	Fluid temperature	0 to +50°C				
	Ambient temperature Note 1)	0 to +50°C				
Standard	Action	N.C. (Normally closed)				
Star	Mounting orientation	Unrestricted				
0,	Port size	M5				
Sus	Power supply	24 VDC	12 VDC			
Coil	Coil current	0 to 85 mA	0 to 170 mA			
ઠ≝	Power consumption	0 to 2 W				
sbe	Coil insulation	Class B				

		Orifice diameter (mmø)	0.3	0.4	0.6	0.8	
		Max. operating pressure differential (MPa) Note 2)	0.7	0.45	0.2	0.1	
	ns tic	Max. operating pressure (MPa)	1 MPa				
	Characteristic specifications	Min. operating pressure (MPa) (Vacuum) Note 3)	0 (0.1 Pa.abs)				
1	cific	Flow rate (//min) (at max. operating pressure differential)	0 to 5 0 to 6		0 to 5		
	Spe	Hysteresis (at max. operating pressure differential)	10% or less				
1		Repeatability (at max. operating pressure differential)	3% or less				
		Start-up current (at max. operating pressure differential)	50% or less				

When the valve is continuously energized at an ambient temperature of 50°C (when applying maximum current), the coil outer surface reaches 90°C. The temperature changes depending on the operating conditions, and the coil outer surface temperature must be kept at 90°C or lower.



Note 1) Ambient temperature is for the valve proximal section (approx. 1 mm).

Note 2) Maximum operating pressure differential indicates pressure differential (difference between inlet and outlet pressure) which can be allowed for operation with the valve closed or open. If the pressure differential exceeds the max. operating pressure differential of orifice, the valve may leak.

Note 3) For vacuum application, max. operating pressure range is 0.1 Pa abs to max. operating pressure differential. A(2) port is applicable for vacuum pressure.