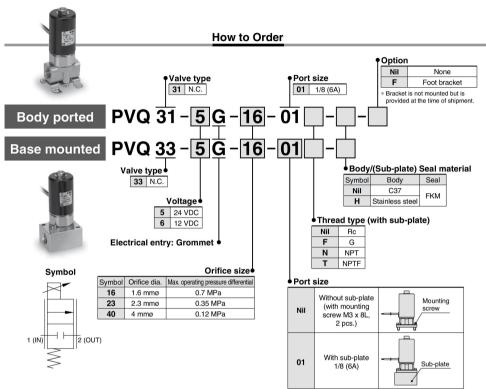
Compact Proportional Solenoid Valve PVQ30 Series



Specifications

Standard specifications	Valve construction	Direct operated poppet		
	Fluid	Air		
	Seal material	FKM		
	Body material	C37 (Standard), Stainless steel		
	Fluid temperature	0 to +50°C		
	Ambient temperature Note 1)	0 to +50°C		
	Action	N.C. (Normally closed)		
	Mounting orientation	Unrestricted		
	Enclosure	IP40		
	Port size	Rc 1/8		
Coil specifications	Power supply	24 VDC	12 VDC	
	Coil current	0 to 165 mA	0 to 330 mA	
	Power consumption	0 to 4 W		
sbe	Coil insulation	Class B		

Note	Indicates the ambient temperature when the valve is not energized.					
	When the valve is continuously energized (when applying maximum current)					
and the ambient temperature is kept at 50°C due to the convection of						
	around the valve, the coil outer surface reaches approximately 100°C, and					
	the coil proximal section (1 mm) reaches approximately 70°C. Use the					
	product at a temperature of not more than 50°C.					
	Before the Consider Board at Board floor IIC antiques Foresing II					

Characteristic specifications	Orifice diameter (mmø)	1.6	2.3	4.0	
	Max. operating pressure differential (MPa) Note 2)	0.7	0.35	0.12	
	Max. operating pressure (MPa)	1 MPa			
	Min. operating pressure (MPa) (Vacuum) Note 3)	0 (0.1 Pa.abs)			
	Flow rate (L/min) (at max. operating pressure differential)	0 to 100		0 to 75	
	Hysteresis (at max. operating pressure differential)	10% or less		13% or less	
	Repeatability (at max. operating pressure differential)	3% or less			
	Start-up current (at max. operating pressure differential)	50% or less		65% or less	

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.



ARJ AR425

to 935

ARX

AMR

ARM

ARP

IR∏-A

IR

IRV

VEX

SRH

SRP

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ITV

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PVQ

VY1 VBA VBAT AP100