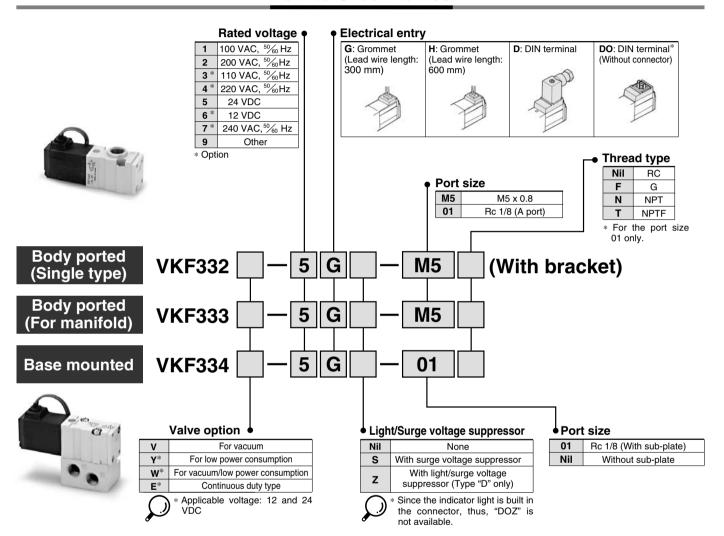
3 Port Solenoid Valve Direct Operated Poppet Type Series VKF300 (€

How to Order Valves



Flow Characteristics/Mass

Valve model		Operating pressure range	Port size	Flow characteristics						Mass (g)	
				$1 \rightarrow 2 (P \rightarrow A)$			$2 \rightarrow 3 (A \rightarrow R)$			Grommet	DIN
		(MPa)		C [dm ³ /(s·bar)]	b	Cv	C [dm ³ /(s·bar)]	b	Cv	aronninet	terminal
Body ported	VKF33 ² 3	0 to 0.7	M5 x 0.8 Rc 1/8	0.67	0.10	0.15	0.41	0.39	0.11	80 (1)	90 (1)
	VKF33 ² 3Y			0.56	0.13	0.13	0.32	0.25	0.09		
	VKF33 ² 3E			0.56	0.13	0.13	0.32	0.25	0.09		
	VKF33 ² ₃ V	-101.2 KPa to 0.1		0.67	0.10	0.15	0.41	0.39	0.11		
	VKF33 ² 3W			0.56	0.13	0.13	0.32	0.25	0.09		
Base mounted (With sub- plate)	VKF334	0 to 0.7		0.68	0.13	0.15	0.59	0.31	0.14	120	130
	VKF334Y			0.56	0.13	0.13	0.32	0.25	0.09		
	VKF334E			0.56	0.13	0.13	0.32	0.25	0.09		
	VKF334V	-101.2 kPa to 0.1		0.68	0.13	0.15	0.59	0.31	0.14		
	VKF334W			0.56	0.13	0.13	0.32	0.25	0.09		

Note 1) VKF33□: Add 10 g to each when equipped with bracket.



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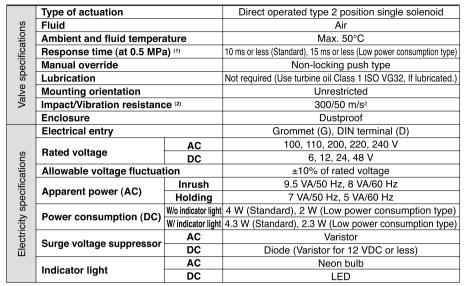
Standard Specifications



Body ported



Base mounted



 \bigcirc

Note 1) Based on dynamic performance test, JIS B 8374-1981. (Coil temperature: 20°C, at rated voltage, without surge voltage suppressor)

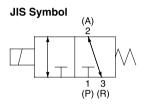
* When equipped with DC solenoid/surge voltage suppressor, a delay of about 20 to 30 m/sec. occurs in the OFF response time.

Note 2) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction

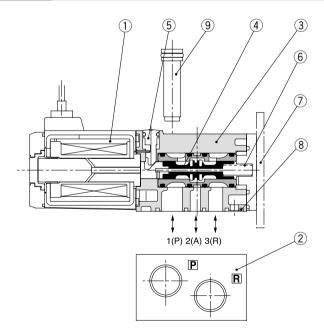
Note 2) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period)

energized states every once for each condition. (Values at the initial period)

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)



Construction



Component Parts

No.	Description	Material	Note		
1	Solenoid coil assembly	_			
2	Sub-plate	Aluminum die-casted	For VKF334: VKF300-S-01		
3	Body	Aluminum die-casted			
4	Spool/Sleeve	Aluminum			
(5)	Manual override	Resin			
6	Return spring	Stainless steel			
7	Bracket assembly	Steel	For VKF332: VKF300-13A-2		
8	Gasket assembly (With mounting screw)	_	For VKF333: VKF300-11A-2 For VKF334: VKF300-11A-1		
9	Bushing assembly	Resin	For VKF33 ³ : VKF300-6A-1 2 sets per unit required		



VV061

V100

S070

VQD

VKF

VK

VT

VS