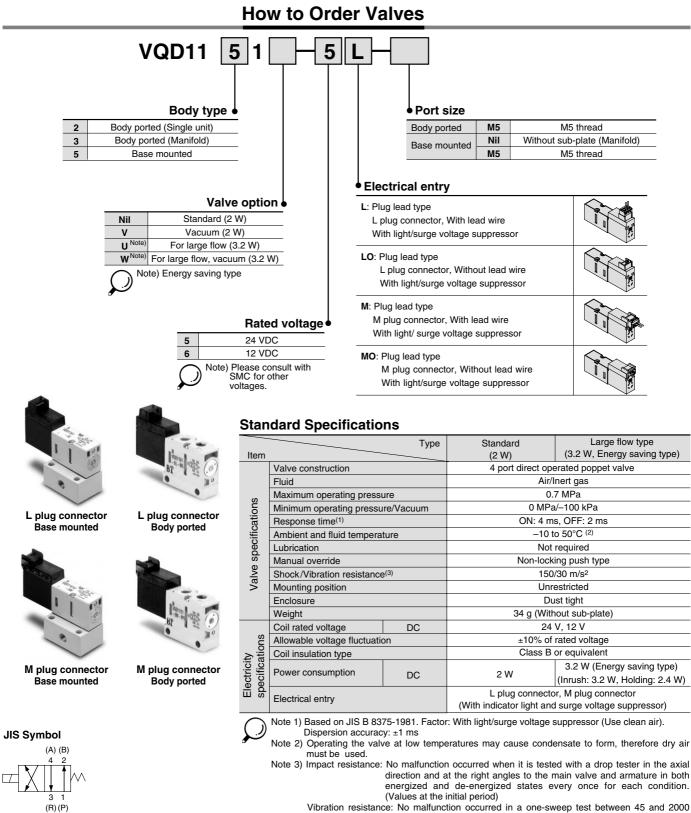
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Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial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

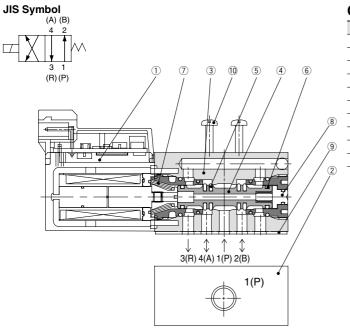


4 Port Direct Operated Poppet Solenoid Valve Series VQD1000

Flow Characteristics

Valve model		Port size	Flow characteristics						
			$1 \rightarrow 4/2 \ (P \rightarrow A/B)$			$4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB)$			
			C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	
Body ported	VQD1121-□ ^L _M -M5	M5 x 0.8	0.22	0.16	0.05	0.19	0.31	0.05	
	VQD1121 ^U W-□ ^L M-M5		0.27	0.24	0.07	0.28	0.28	0.07	
Base mounted (With sub-plate)	VQD1151-□ ^L _M -M5		0.22	0.10	0.05	0.22	0.31	0.06	
	VQD1151- ^U W□- ^L MM5		0.27	0.25	0.07	0.27	0.28	0.07	

Construction



Component Parts							
No	Description	Material	Note				
1	Solenoid coil assembly	_					
2	Sub-plate	Aluminum	VQD1000-S-M5 (Base mounted only)				
3	Body	ZDC					
(4)	Spool valve	Aluminum					
(5)	Poppet	HNBR					
6	Guide ring	Resin					
7	Return spring	Stainless steel					
8	Manual override	Aluminum					
9	Gasket	HNBR	VQD1000-9-1H				
10	Round head combination screw	Steel	AXT632-7-13 (M1.7 x 18)				

Note) Body cannot be disassembled.

Valve Single Unit Option

Piping plate assembly VQD1000-20A

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Manifold type (VQD1131) can be changed to single unit type (VQD1121) by mounting plate assembly.

Note) Plate should be mounted with manifold mounting screws (M1.7 x 20). Proper tightening torque of thread: 0.18 to 0.25 N·m

VQC

SQ

VQ0

VQ4

VQ5

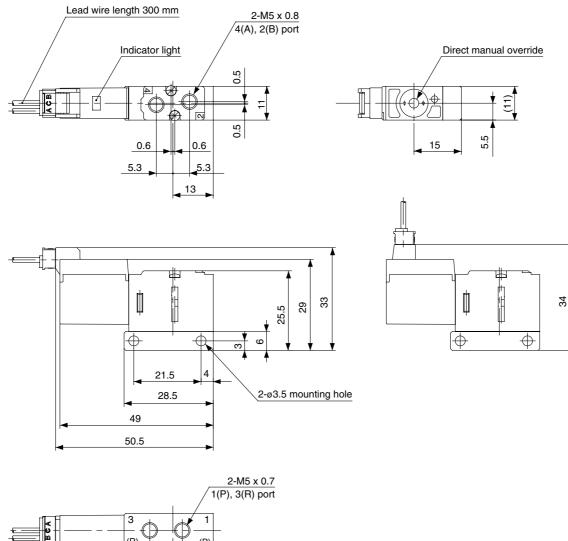
VQZ

VQD

Series VQD1000

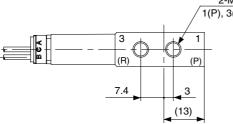
Dimensions

L plug connector: VQD1121 --- L-M5 M plug connector: VQD1121 --- M-M5



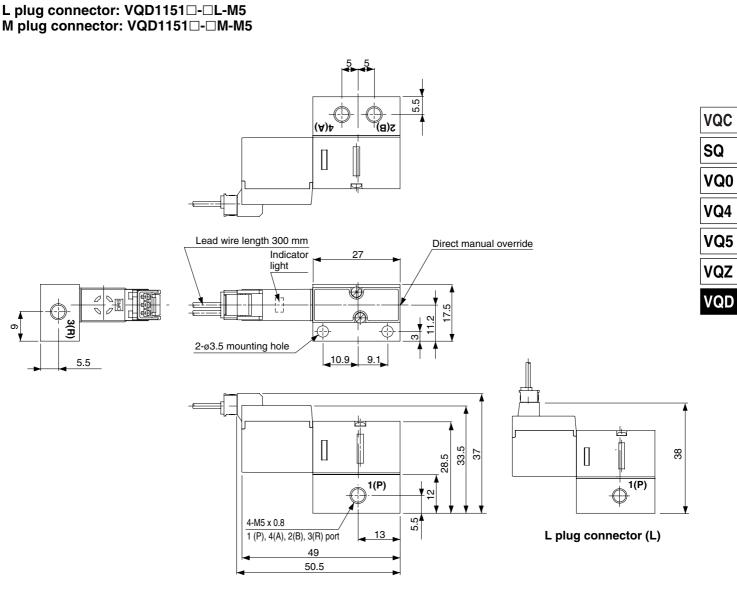
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4 Port Direct Operated Poppet Solenoid Valve Series VQD1000

Dimensions



M plug connector (M)