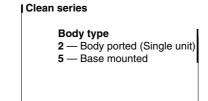
Series 10-VQD1000 4 port direct operated poppet solenoid valve

How to Order Valves



Valve option

valve Splidh Nil — Standard (2W) V — Vacuum (2W) ∗ U — For large flow (3.2W) ∗ W — For large flow, Vacuum (3.2W)

* Power saving style

Rated voltage

* Please consult with SMC for other voltages.

10 - VQD11 **M5**



L — L plug connector, With lead wire

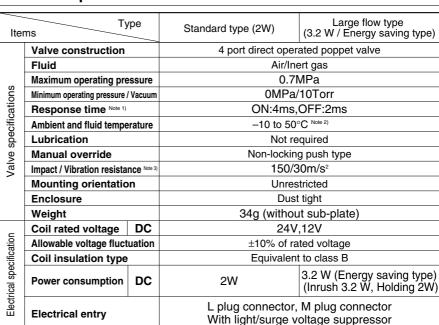
LO — L plug connector, Without lead wire

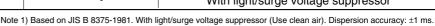
M — M plug connector, With lead wire MO — M plug connector, Without lead wire

Port size

Body ported — M5 x 0.8 thread Base mounted — M5 x 0.8 (with sub-plate) Note) No "Nil".

Standard specifications





Note 2) Use dry air to prevent condensation when operating at low temperatures. Note 3) 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. (Initial value)

Vibration resistance: No malfunction occurred in one sweep between 8.3 and 2000Hz. Test was performed in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states. (Initial value)





L plug connector Body ported

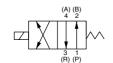


M plug connector Base mounted



M plug connector Body ported

Symbol

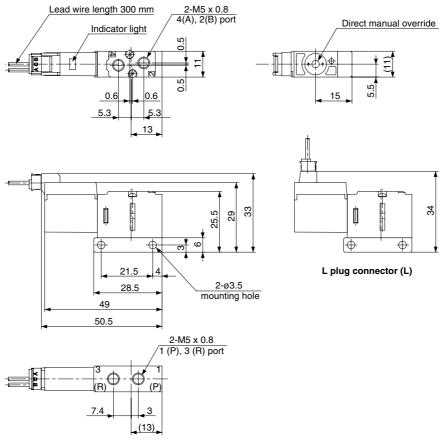


Flow characteristics

		Flow characteristics										
Val	Dank sine		1→4/2(P→A/B)		4/2→5/3(A/B→EA/EB)							
Val	Port size	C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv					
Dodumented	10-VQD1121-□ _M -M5		0.22	0.16	0.05	0.19	0.31	0.05				
Body ported	10-VQD1121 _W -□ _M -M5	M5 x 0.8 0.27 0.22		0.24	0.07	0.28	0.28	0.07				
Base mounted (With sub-plate)	10-VQD1151-□ _M -M5			0.10	0.05	0.22	0.31	0.06				
	10-VQD1151 _W -□ _M -M5		0.27	0.25	0.07	0.27	0.28	0.07				

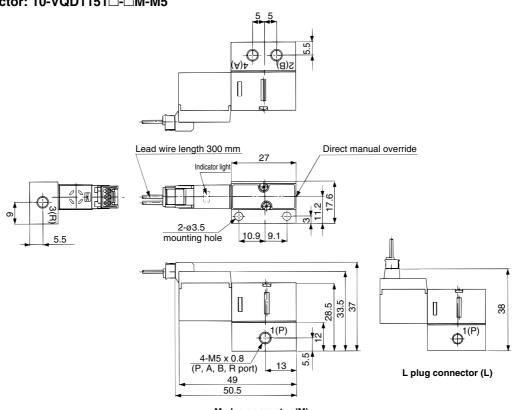
Dimensions

L plug connector: 10-VQD1121□-□L-M5 M plug connector: 10-VQD1121□-□M-M5



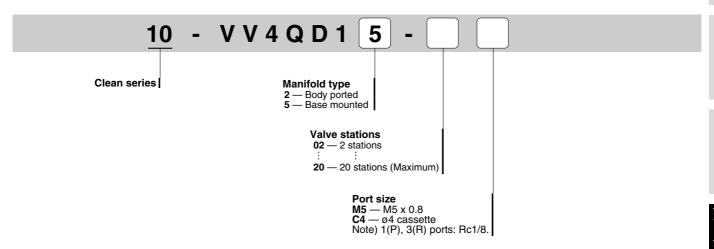
M plug connector (M)

L plug connector: 10-VQD1151□-□L-M5 M plug connector: 10-VQD1151□-□M-M5

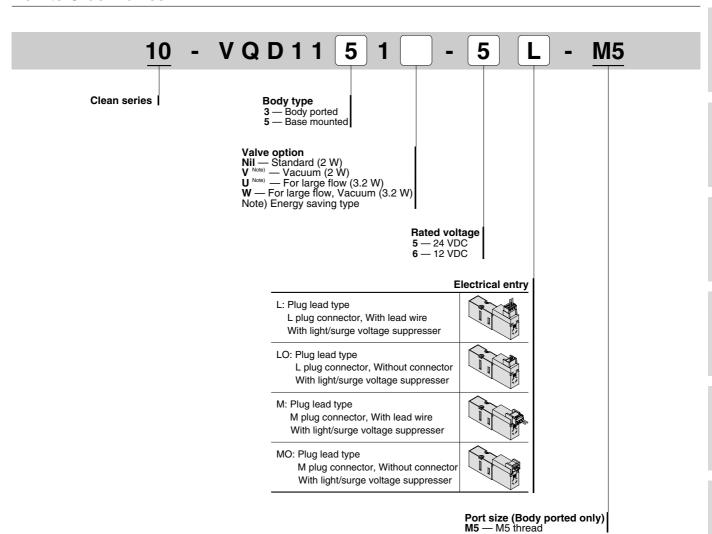


M plug connector (M)

How to Order

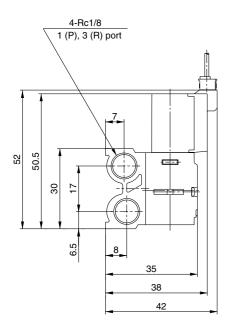


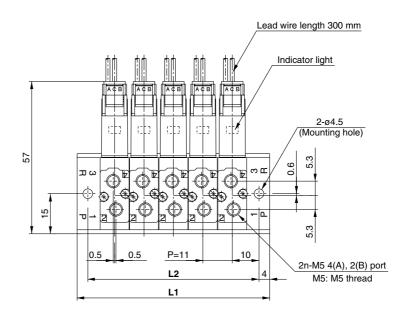
How to Order Valves



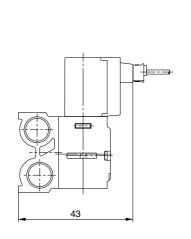
Dimensions

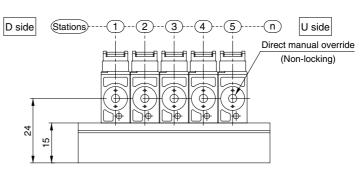
Plug lead unit manifold: 10-VV4QD12-□





M plug connector (M)





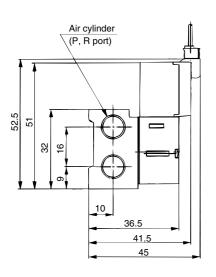
L plug connector (L)

Dimer	Dimensions															n: St	ations			
<u>L</u> n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	28	39	50	61	72	83	94	105	116	127	138	149	160	171	182	193	204	215	226	237
L2	20	31	42	53	64	75	86	97	108	119	130	141	152	163	174	185	196	207	218	229

Lead wire length 300 mm

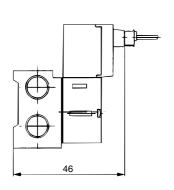
Indicator light

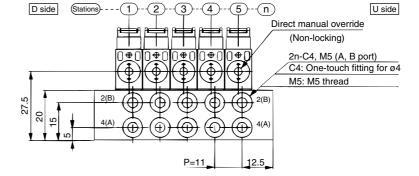
Plug lead unit manifold: 10-VV4QD15-□□



2-ø4.5 (Mounting hole) 57.5 Approx. 4 L1

M plug connector (M)





L plug connector (L)

Dimensions n: Sta															tations				
<u> I</u>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	39	50	61	72	83	94	105	116	127	138	149	160	171	182	193	204	215	226	237
L2	31	42	53	64	75	86	97	108	119	130	141	152	163	174	185	196	207	218	229