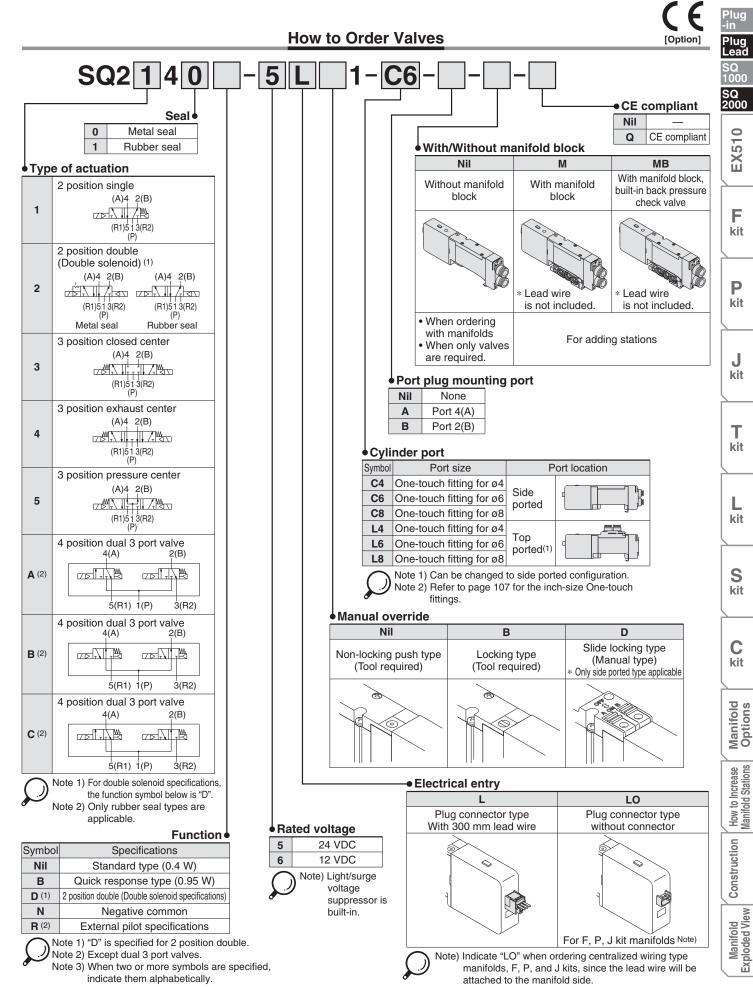
# Plug Lead Unit Series SQ2000



## Series SQ2000

## Valve Specifications

### Model

Series	Type of actuation		Seal	Model	Flow characteristics (1)					Response time (ms) (2)			
					1→4/2 (P→A/B)			4/2→5/3 (A/B→R1/R2)			Standard	Quick response	Weight (g)
					C [dm3/(s·bar)]	b	Cv	C [dm3/(s·bar)]	b	Cv	(0.4 W)	(0.95 W)	(9)
SQ2000	2 position	Single	Metal seal	SQ2140	2.2	0.17	0.51	2.4	0.14	0.57	35 or less	20 or less	145
			Rubber seal	SQ2141	2.3	0.17	0.51	3.1	0.18	0.71	31 or less	24 or less	140
		Double	Metal seal	SQ2240D	2.2	0.17	0.51	2.4	0.14	0.57	20 or less	15 or less	160
			Rubber seal	SQ2241D	2.3	0.17	0.51	3.1	0.18	0.71	26 or less	20 or less	155
	3 position	Closed center	Metal seal	SQ2340	1.9	0.17	0.46	2.1	0.15	0.47	56 or less	37 or less	180
			Rubber seal	SQ2341	1.9	0.17	0.46	1.8	0.29	0.45	44 or less	34 or less	175
		Exhaust center	Metal seal	SQ2440	1.9	0.17	0.46	2.4	0.14	0.55	56 or less	37 or less	180
			Rubber seal	SQ2441	1.9	0.17	0.46	3.1	0.14	0.58	44 or less	34 or less	175
		Pressure center	Metal seal	SQ2540	2.3	0.17	0.51	2.1	0.18	0.47	56 or less	37 or less	180
			Rubber seal	SQ2541	2.5	0.17	0.56	1.8	0.30	0.47	44 or less	34 or less	175
	4 position	Dual 3 port valve	Rubber seal	SQ2 <sup>A</sup> <sub>C</sub> 41	1.5	0.17	0.40	1.5	0.17	0.40	34 or less	19 or less	155

Note 1) Values for the top ported cylinder port size of C8, CYL  $\rightarrow$  Values of EXH. The side ported type will be about 10% less. Note 2) Based on JIS B 8375-1981. (Values with a supply pressure of 0.5 MPa and light/surge voltage suppressor. Values fluctuate depending on the pressure and air quality.)



# **Specifications**

	Valv	e construction	ı	Metal seal	Rubber seal			
	Fluid	t		Air/Inert gas				
Valve specifications	Max	imum operatin	g pressure	0.7 MPa				
	ing	Single		0.1 MPa	0.15 MPa			
	i. operating	Double (Doub	le solenoid)	0.1 MPa	0.1 MPa			
	op ores	3 position		0.1 MPa	0.2 MPa			
	Min.	4 position		_	0.15 MPa			
	Amb	ient and fluid t	emperature	−10 to 50°C (1)				
	Lubi	rication		Not required				
	Pilot	valve manual	override	Push type (Tool required)/Locking type (Tool required) Slide locking type (Manual type)				
	Vibr	ation/Impact re	esistance (2)	30/150 m/s <sup>2</sup>				
	Prot	ection structu	re	Dust tight				
SL	Coil	rated voltage		12 VDC, 24 VDC				
Solenoid specifications	Allo	wable voltage	fluctuation	±10% of rated voltage				
	Coil	insulation type	е	Equivalent to class B				
	Powe	er consumption	24 VDC	0.4 W DC (17 mA), 0.95 W DC (40 mA) (3)				
S	(Cur	rent)	12 VDC	0.4 W DC (34 mA), 0.95 W DC (80 mA) (3)				
Note 1) Lies dw six to prevent condensation when energing at law temperatures								

2 position single (A)4 2(B) (R1)513(R2) (P) 2 position double (Double solenoid) (A)4 2(B) (A)4 2(B) (R1)5 1 3(R2) (P) (R1)5 1 3(R2) Metal seal Rubber seal

JIS Symbol

Note 1) Use dry air to prevent condensation when operating at low temperatures.

Note 2) 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) 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

