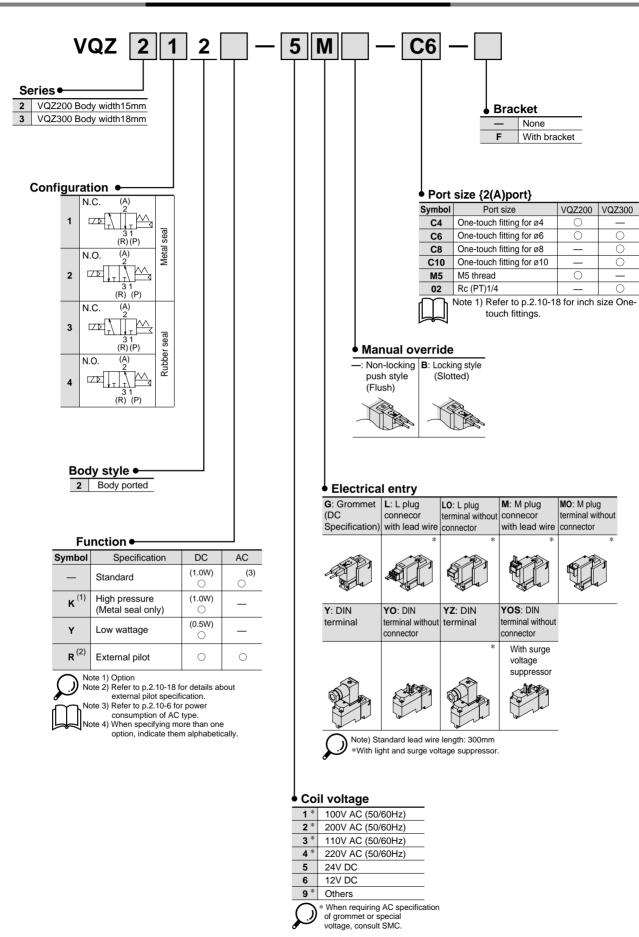
How to Order Valve VQZ200/300



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VQZ100/200/300 Body Ported



Standard Specifications

:	Seal		Metal seal Rubber sea		
	Fluid		Air, Inert gas		
	Max.operating pressure		0.7MPa (High pressure style: 1.0MPa) 0.7MPa		
	Min.operating pressure		0.1MPa	0.15MPa	
	Ambient and fluid temp.		−10 to 50 °C ⁽¹⁾	−10 to 50 °C ⁽¹⁾	
Valve	Max.operating frequency		20Hz	5Hz	
> □	Pilot valve EXH		Individual EXH		
	Lubrication		Not required		
	Manual override		Non-locking push style/Locking slotted style		
	Shock/Vibration resistance (2)		150/30 m/s ²		
	Enclosure		Dust proof		
	Coil rated voltage		12V, 24V DC and 100V, 110V, 200V, 220V AC		
	Allowable voltage		±10% of rated voltage		
	Coil insurance		Class B or equivalent		
0	Power consumption (Current value)	24V DC	1W DC (42mA), 0.5W DC (21mA)		
힖.		12V DC	1W DC (83mA), 0.5W DC (42mA)		
0 '		100V AC	Inrush 0.5VA (5mA), Holding 0.5VA (5mA)		
٠ ا ١		110V AC	Inrush 0.55VA (5mA), Holding 0.55VA (5mA)		
١,		200V AC	Inrush 1.0VA (5mA), Holding 1.0VA (5mA)		
		220V AC	Inrush 1.1VA (5mA), H	olding 1.1VA (5mA)	

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

Note 2) Shock resistance : No malfunctions resulted from the impact test using a drop impact tester. The tests were performed on the axis and right angle direction of the main valve and armature, for both energized and de-energized states. (Value in the initial stage.)

Vibration resistance: No malfunctions occurred in a one-sweep test between 8.3 and 2,000 Hz. Tests were performed at both energized and de-energized states on the axis and right angle direction of the main valve and armature. (Value in the initial stage.)

Model

	Valve configuration	Model		Effective area (mm²)(Cv)	Response time (ms) (2)		(3)
Series					Standard: 1W	High pressure: 1W Low wattage and AC	Weight(g)
VQZ100	N.C.	Poppett	VQZ115	3.6 (0.2)	10 or less	13 or less	25
	N.C.	Metal seal	VQZ212	8.1 (0.45)	14 or less	18 or less	58
VQZ200		Rubber seal	VQZ232	10.8 (0.6)	15 or less	20 or less	
VQZ200	N.O.	Metal seal	VQZ222	7.2 (0.4)	14 or less	18 or less	
	IN.O.	Rubber seal	VQZ242	10.8 (0.6)	15 or less	20 or less	
	N.C. N.O.	Metal seal	VQZ312	14.4 (0.8)	17 or less	22 or less	92
V07200		Rubber seal	VQZ332	16.2 (0.9)	25 or less	33 or less	
VQZ300		Metal seal	VQZ322	13.5 (0.75)	17 or less	22 or less	
		Rubber seal	VQZ342	16.2 (0.9)	25 or less	33 or less	



Note 1) Value for sub-plate and maximum diameter

Note 2) As per JISB8375-1981 (Supply pressure; 0.5MPa; with indicator light and surge voltage suppressor; clean air)

The response time is subject to the pressure and the air quality. The values at the time of ON are given for the double styles.

Note 3) Weight without sub-plate

VQZ100/200/300 Body Ported

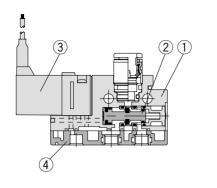
Construction

VQZ200/300

Metal seal

VQZ100

Poppet



N.C.
(A) (A) (B) (B) (C) (R)

Component Parts

	No. Description		Material	Notes	
	1	Body	Resin		
	2	Spool valve	Aluminum/NBR		
	3	Pilot valve	_		
	4	P, R plate	Resin/Aluminum	VQZ100-12A	

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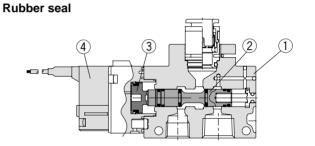
VΡ

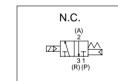
VQ

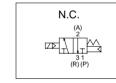
VQZ

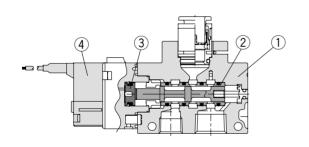
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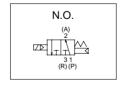
VS



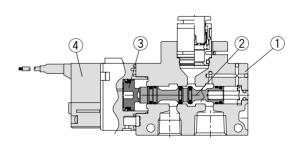


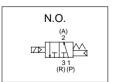






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Component Parts

No.	Description	Material	Notes
1	Body	Aluminum die cast	
2	Spool/Sleeve	Stainless steel	Metal seal
(2)	Spool valve	Aluminum/NBR	Rubber seal
3	Piston	Resin	
4	Pilot valve	_	