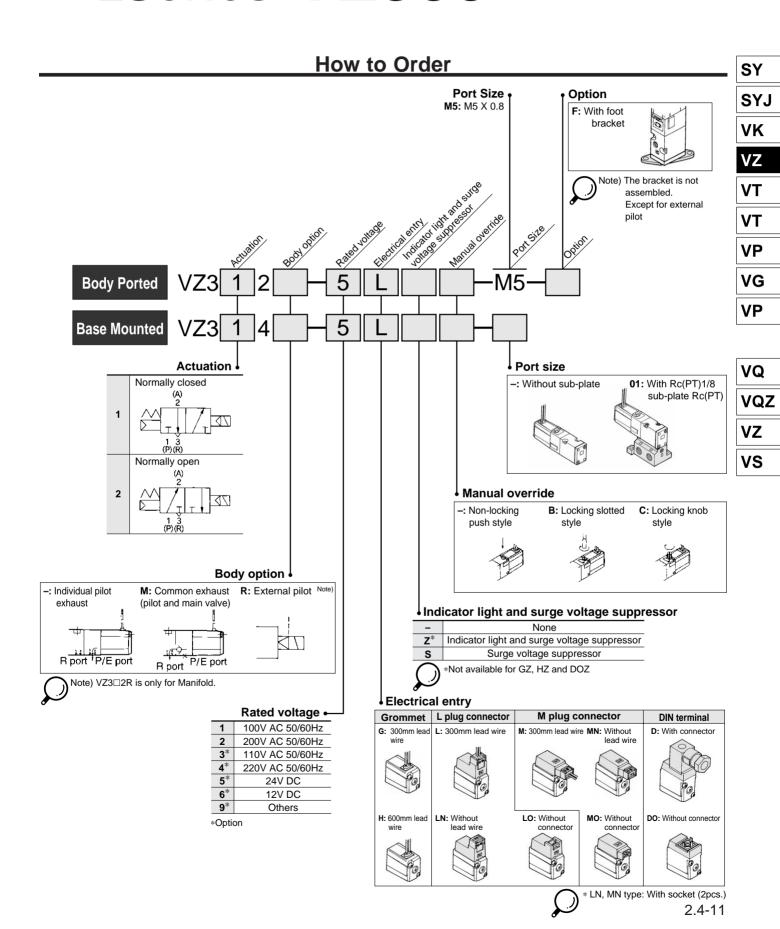
3 Port Body Ported, Base Mounted Rubber Seal

Series VZ300



Low Power Consumption: 1.8WDC

Applicable for Vacuum Use –100kPa

VZ300R: External pilot style

Exhaust measures for the pilot valve are unnecessary.

VZ300M: Central exhaust style

It is not necessary to take exhaust measures for the pilot valve for emvironmental protection.

Can also be used as a selector valve or a divider valve.

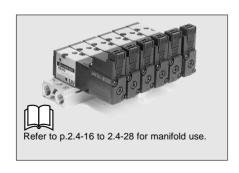
VZ300R: External pilot style Can be used for universal porting.



Series VZ300/Body Ported



Series VZ300/Base Mounted



order Made P.2.4-45

Specifications

Air
0.15 to 0.7
Max. 50
20 or less
10
See below
Non-locking push style, Locking slotted style, Locking knob style
Individual pilot exhaust, Common exhaust (pilot and main valve)
Non-lube
Free
300/50
Dust proof

Note 1) According to dynamic performance test of JIS B8374-1981.(Coil temperature 20°C, rated voltage, Note 2) without surge voltage suppressor)

Note 3) When operating the locking style manually, apply torque of 0.2Nm or less.

Impact resistance: No malfunction from test using drop impact tester, to axis and right angle directions of main valve and armature, each one time when energized and de-energized.

Vibration resistance: (Value in the initial stage.)

No malfunction from test with 8.3 to 2000Hz 1 sweep, to axis and right angle directions of main valve and armature, each one time when energized and deenergized. (Value in the initial stage.)

Solenoid Specifications

*Option

Electrical entry			Grommet (G)/(H), L plug connector (L), M plug connector (M), DIN terminal (D)	
Coil rated voltage V	AC50/60Hz		100, 200, 24*, 48*, 110*, 220*	
Coll fated voltage v	DC		24, 6*, 12*, 48*	
Allowable voltage %	•		-15 to +10% of rated voltage	
Power consumption W (1) [Current mA]	DC		1.8 (with light 2.1)[24VDC: 75 (with light 87.5)]	
Apparent power VA (1) [Current mA]	AC	Inrush	4.5/50Hz, 4.2/60Hz [100V AC: 45/50Hz, 42/60Hz 200V AC: 22.5/50Hz, 21/60Hz]	
	AC -	Holding	3.5/50Hz, 3/60Hz	
Surge voltage suppressor			DC: Diode, AC: ZNR	
Indicator light	Indicator light		DC: LED(red), AC: Neon light	

Note 1) At rated voltage

Effective Area and Weight

Valve		Actuation	Port size	Effective area (mm²) (Cv)	Weight (g)	
Body ported style	VZ312	N.C.	M5 X 0.8	MEVOO	3.6 (0.2)	75
	VZ322	N.O.		3.6 (0.2)	3.6 (0.2)	75
Base mounted style	VZ314	N.C.	Rc(PT) 1/8	4 5 (0.25)	105	
(with sub-plate)	VZ324	N.O.	KC(F1) 1/8	4.5 (0.25)	(without sub-plate: 75)	

Option

Description Part No.		Note
Foot bracket	DXT170-34-1B	With screw (for VZ3□2)

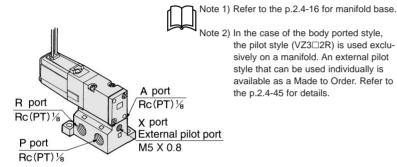
External Pilot

VZ300R

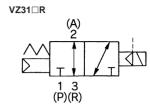
This obtains external pressure for the pilot valve separately from the main valve pressure. It can be operated with a low pressure line with a vacuum (to -100kPa) or below 0.15MPa.

Specifications

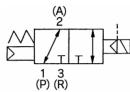
Applicable model	Base mounted style(VZ314R, VZ324R)		
Operating pressure range	Main pressure	-100kPa to 0.7	
MPa	External pilot pressure	0.15 to 0.7	



JIS symbol



VZ32□R



(A)

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VG

VP

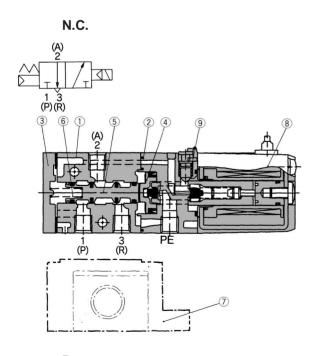
VQ

VQZ

VZ

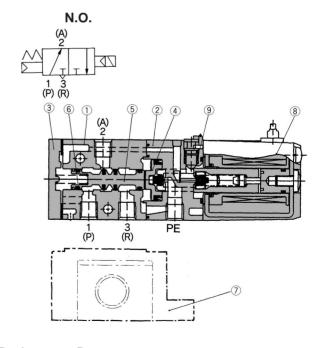
VS

Construction



Component Parts

No.	Description	Material	Note
1	Body	Aluminum die cast	Platinum silver
2	Piston plate	Resin	Black
3	End cover	Aluminum die cast	Black
4	Piston	Resin	_
(5)	Spool valve ass'y		_
6	Spool spring	Stainless steel	_



Replacement Parts

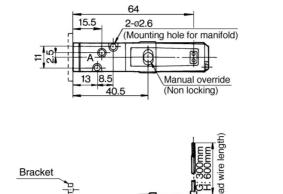
No.	Description	Material	Part No.	Note
7	Sub-plate	Aluminum die cast	DXT200-13-1P	
8	Solenoid ass'y	Epoxy, stainless steel	DXT170-C-□□□	
9	O-ring	NBR	13 X 11 X 1	Common with VZ100

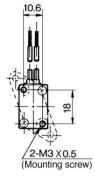
VZ300

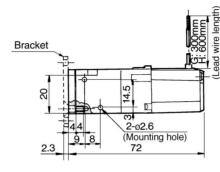


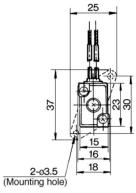
Body Ported

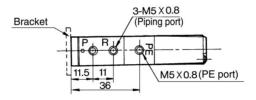
Grommet (G), (H) VZ3□2-□^G_H□□-**M**5



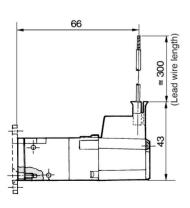




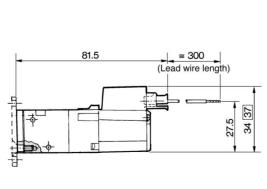




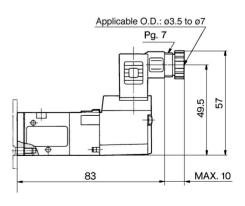
L plug connector (L) VZ3□2-□L□□-M5



M plug connector (M) VZ3□2-□M□□-M5



DIN terminal (D) VZ3□2-□D□□-M5





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VT

VP

VG

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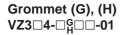
VQZ

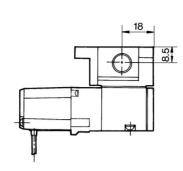
٧Z

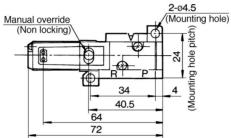
VS

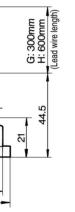


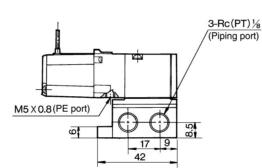
Base Mounted

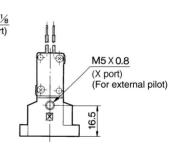










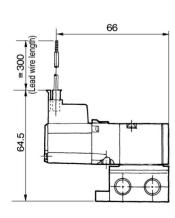


L plug connector (L) VZ3□4-□L□□-01

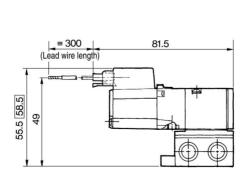
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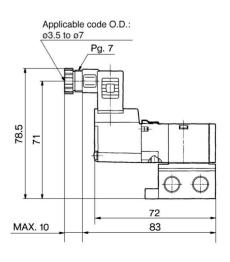
24



M plug connector (M) VZ3□4-□M□□-01



DIN terminal (D) VZ3□4-□D□□-01



: with indicator light and surge voltage suppressor