VK

٧Z

VF

VFR

VP4

VZS

VFS

VS4

VQ7

EVS

 VFN

5 Port Pilot Operated Solenoid Valve Metal Seal, Plug-in/Non Plug-in Series VZS2000

Model

Type of actuation		Model	Port size	Flow characteristics					(1)	(2)		
				1 → 4/2 (P → A/B)		$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{R1/R2)}$			Max. operating cycle (CPM)	Response time (ms)	Weight	
			nc nc	C [dm ³ /(s·bar)]	b	Cv	C [dm ³ /(s·bar)]	b	Cv	cycle (CPIVI)	time (ms)	(kg)
sition	Single	VZS2150	1/8	1.2	0.12	0.28	1.4	0.19	0.33	1200	17 or less	0.14
2 position	Double	VZS2250	1/8	1.2	0.12	0.28	1.4	0.19	0.33	1200	13 or less	0.19
3 position	Closed center	VZS2350	1/8	0.90	0.23	0.21	1.1	0.17	0.27	600	22 or less	0.2
	Exhaust center	VZS2450	1/8	1.1	0.12	0.25	1.3	0.13	0.31	600	22 or less	0.2
	Pressure center	VZS2550	1/8	1.2	0.12	0.26	1.4	0.19	0.33	600	22 or less	0.2
	Double check	VZS2650	1/8	0.71	_	_	0.81	_	_	500	26 or less	0.3

Note 1) Min. operating cycle is based on JIS B 8375 (One time per 30 days).

Note 2) Response time is based on JIS B 8375-1981. (0.5 MPa, without light/surge voltage suppressor)

Note 3) For VZS2□50-□FZ-01 Note 4) "Note 1" and "Note 2" are with controlled clean air.

Reduction of wiring cost MIL standard D-sub connector with one-touch connection (Plug-in type)

Compact and large valve capacity: Width 15 mm
Flexible to increase and decrease manifold stations
(Stacking type manifold base)

High frequency/Long service life (more than 30 mil. times)
Possible to use in non-lubrication and dry air (Metal seal structure)

Different variations for connection

Grommet type

L, M plug connector type: Individual take out of A and B sides

K plug connector type: Common take out of A and B sides

DIN terminal type: individual take out of A and B sides

A little power consumption: 1.8 WDC

For serial transmission



Plug-in type



Non plug-in type

Standard Specifications

-		<u> </u>				
Valve specifications		Fluid		Air/Inert gas		
	LIS I	Maximum operating pressure)	1.0 MPa		
	tio	Minimum operating pressure		0.1 MPa		
	fice	Proof pressure		1.5 MPa		
	eci	Ambient and fluid temperatur	e	-10 to 50°C ⁽¹⁾		
	Sp	Lubrication		Non-lube (2)		
	<u>×</u>	Pilot valve manual override		Non-locking push type (Flush)		
	\ \	Shock/Vibration resistance (r	n/s²)	150/50 ⁽³⁾		
		Enclosure		Dustproof (Degrees of protection 0) (4)		
		Coil rated voltage		100, 200 VAC, 50/60 Hz; 24 VDC		
	Suc	Allowable voltage fluctuation		-15 to +10% of rated voltage		
	atic	Coil insulation type		Class E or equivalent (120°C) (5)		
Electricity specifications	jį.	Apparent power (AC)	Inrush	4.5 VA/50 Hz, 4.2 VA/60 Hz		
)ec	Apparent power (AC)	Holding	3.5 VA/50 Hz, 3 VA/60 Hz		
	<i>S</i> >	Power consumption (DC)		1.8 W		
	icit			Plug-in type (FZ)		
	ct	Electrical entry		Non plug-in type		
	Liectrical entry		Grommet (G), Plug connector (L, M, KZ)			
				DIN terminal (D)		

Note 1) Use dry air at low temperatures.

Note 2) Use turbine oil Class 1 (ISO VG32), if lubricated.

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. (Values at the initial period)

Vibration resistance: No malfunction occurred in a one-sweep test between 8.3 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)

Note 4) Based on JIS C 0920. Note 5) Based on JIS C 4003.

Option Specifications

option openioations						
Coil rated voltage	24, 48, 110, 220 VAC (50/60 Hz)					
Coil rated voltage	6, 12, 48 VDC					
Manual override	Locking type (Tool required)					
Option	With light/surge voltage suppressor Note)					

Note) Plug-in, K plug connector type is standard with light/surge voltage suppressor.



How to Order





