

Containerized vacuum generator (multi-needle model) VKZ series

Parameter specification

■ Specification of solenoid valves for vacuum supply

Mode of action		Indirect operation via pilot valve
Valve function		Normal shutdown
Response time	OFF → ON	4.5ms
	ON → OFF	4.5ms

※) The response time is the value when 0.5MPa rated voltage (100%) is supplied.

■ Ejector Specifications

Fluid		Air, vacuum
Operating pressure range		0.3~0.7MPa
Operating vacuum range		-100~0kPa
Operating temperature range		5~50°C
Operating humidity range		35~85%RH
Vibration resistance		50m/s ² or less
Impact resistance		150m/s ² or less
Protective structure		≈ IP40
refuel		no
Pressure resistance	Air supply circuit	0.8MPa
	Vacuum circuit	0.2MPa

※) Pressure resistance simply means "the pressure that the product is not damaged", which is the pressure that the product can be used normally.

■ Solenoid valve specification

Solenoid valve	Vacuum supply valve vacuum damage valve
Mode of operation	Direct operation
Valve structure	direct-acting
Rated voltage	DC24V ± 10%
Limiting circuit	Surge absorber
Agreed time	4ms
Power dissipation	1W
Manual override	Button structure
Operation instruction	When the coil is energized, the red indicator lights up
Connection mode	Red: DC24V; Black: COM

■ Specification of solenoid valves for vacuum destruction

Mode of action		Indirect operation via pilot valve
Valve function		Normal shutdown
Response time	OFF → ON	4.5ms
	ON → OFF	4.5ms

※) The response time is the value when 0.5MPa rated voltage (100%) is supplied.

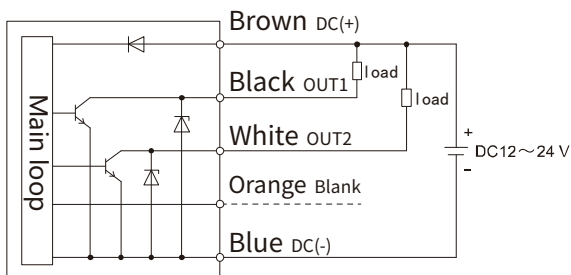
■ Pressure Switch for Vacuum

Pressure type		Compound pressure
Output type		NPN, PNP
Rated pressure range		-100~100kPa
Set /Display Pressure range		-101.2~110kPa
Max Rated voltage		Not more than 2 times the rated pressure
Power supply voltage		DC12~24V ± 10%
Current consumption		50mA or less
Operating accuracy		± 3%Fs. or less (at Ta=25°C)
Switching output	Control output	Load voltage: DC30V or less Load current: 100mA or less
	Lag value	Residual voltage: 1V or less
	Repeated error	Minimum display unit
	Response time	± 0.2% F.S
	Short circuit protection	2.5ms, 5ms, 100ms, 500ms
Analog output	built-in	
	Output voltage DC1~5V ± 2%	
	Resolution: 1/200	
	linearity ± 2% F.S or less	
Display mode		Output impedance: 1kΩ
Display mode		10:37 segment code LED display

※) The variation of "zero point voltage", "span voltage" and "switch output setpoint" with repeated application of pressure is ± 3% F.S. Is the permissible range.

Output wiring diagram

• NPN



• PNP

