

Large flow energy saving vacuum generator SAX 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	8.5ms
	ON → OFF	8.5ms

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

■ Specification of solenoid valves for vacuum destruction

Mode of action		Indirect operation via pilot valve
Valve function		Normal shutdown
Response time	OFF → ON	8.5ms
	ON → OFF	8.5ms

※) 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 humidness 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

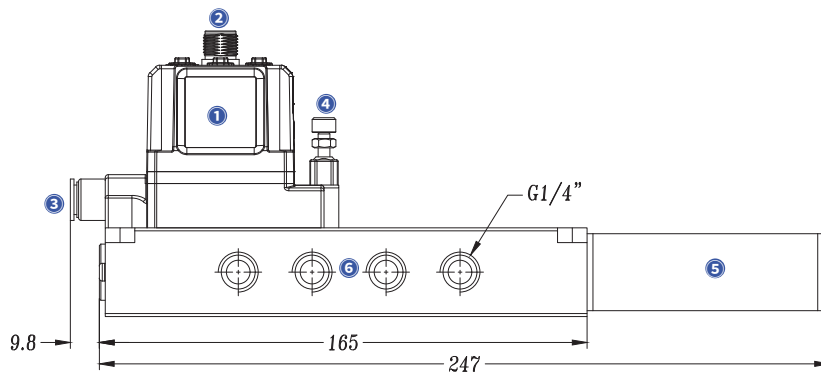
※) Pressure resistance simply means "the pressure that the product is not damaged", which is the pressure that the product can be used normally.

■ Controller specification

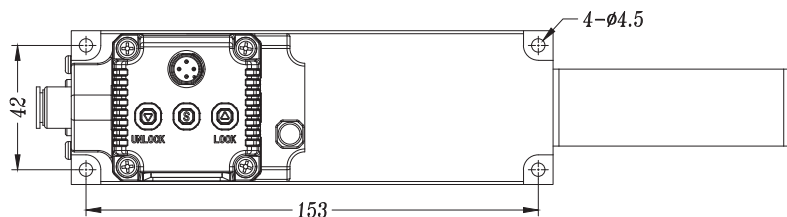
Pressure type		Compound pressure
Input/output type		NPN, PNP(can be switched)
Rated pressure range		-100~100kPa
Set /Display Pressure range		-101.2~110kPa
Max Rated voltage		Not more than 2 times the rated pressure
Power supply voltage		DC24V ±10%
Current consumption		50mA or less
Operating accuracy		±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
Air break control		Automatic air break
Adjust the air break response time		Adjustable: recognition value 500ms
Display mode		LCD

※) 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.

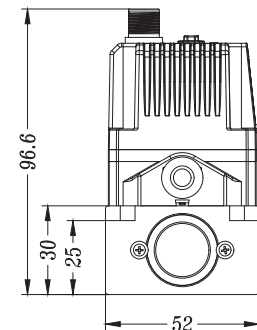
Product illustrations and size (mm)



(multi-link front view)



(Multi-top view)



(multi-side view)

- ① Vacuum pressure switch display
- ② Power line interface
- ③ Air inlet connection(P)
- ④ Vacuum damage flow control valve
- ⑤ Muffled exhaust(EX)
- ⑥ 8 vacuum connections(V)