

Suction Filter Unit: ZX1-F

Refer to page 13-2-12 for details.



Specifications

Unit no.	ZX1-F
Operating pressure range	Vacuum to 0.5 MPa
Operating temperature range	5 to 50°C
Filtration efficiency	30 μm
Element	PVF
Weight	35 g



Note) If not operated within the specified range of pressure and temperature, trouble may be caused.

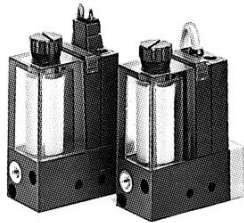
Vacuum Pressure Switch Unit/ZSE2, ZSE3, ZSP1

Refer to page 13-2-13 to 13-2-18 for details.

Vacuum Pressure Switch

High speed response/10 ms

Uses a carrier diffusion semiconductor pressure sensor



Vacuum Pressure Switch Specifications



Refer to Best Pneumatics Vol.16 for details.

Unit no.	ZSE2-0X	ZSE3-0X
Fluid	Air	
Set pressure range	0 to -101 kPa	
Hysteresis	3% Full span or less	
Accuracy	±3% Full span (5 to 40°C) ±5% Full span (0 to 60°C)	±1% Full span
Voltage	12 to 24 VDC (Ripple ±10% or less)	
Port size	M5 x 0.8	



Note) If not operated within the specified range of pressure and temperature, trouble may be caused.

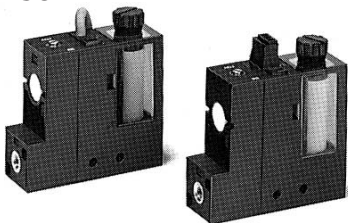
Adsorption Confirmation Switch

Suitable for small size adsorption nozzle/ø0.3 to ø1.2

With suction filter

Improved wiring: connector type

Uses a carrier diffusion semiconductor pressure sensor



Adsorption Confirmation Switch Specifications

Unit no.	ZSP1-S	ZSP1-B
Fluid	Air	
Operating pressure range	-20 to -101 kPa	
Applicable adsorption nozzle dia.	ø0.3 to ø0.7	ø0.5 to ø1.2
Hysteresis	0.5 kPa	
Internal orifice	ø0.5	ø0.8

• Filter case

⚠ Caution

1. The case is made of polycarbonate. Therefore, do not use it with or expose it to the following chemicals: paint thinner, carbon tetrachloride, chloroform, acetic ester, aniline, cyclohexane, trichloroethylene, sulfuric acid, lactic acid, water-soluble cutting oil (alkalinic), etc.
2. Do not expose it to direct sunlight.

• Other caution

⚠ Caution

It might not be possible to successfully pick a workpiece if a picking nozzle or a picking pad that is out of the applicable range is used.