Vacuum Ejector

Series ZM



- Built-in suction filter and silencer
- Air supply valve for generating a vacuum
- Vacuum release valve (equipped with a flow volume adjustment valve)
- Vacuum pressure switch (solid state, diaphragm)



All tubing, wiring, indicators, and adjustment functions have been eliminated from the side surfaces, thus enabling assembly and maintenance while linked to a manifold.

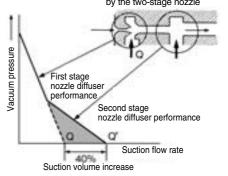
- EXH system CommonSUP system Common, Individual
- Maximum air suction volume increased by 40% Maximum vacuum pressure –84 kPa

The suction volume has been increased by 40% through the adoption of a two-stage nozzle construction.

Compact and lightweight 15.5 mm width, 400 g (full system)

Air operated type

Two-stage nozzle construction The suction volume increase by the two-stage nozzle

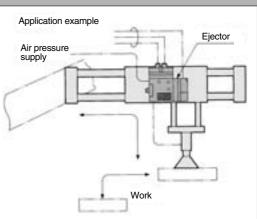


Series ZM Applications

Fields: Semiconductor and electrical, automobile assembly, food and medical equipment, and various types of manufacturing and assembly equipment

Machines: Robotic hand/material handling, automotive assembling machines, automatic transfer equipment, pick and place, printing machinery

Functions: Vacuum adsorption transfer, vacuum adsorption retention, vacuum generated air flow



ZA ZX

ZR

ZM

ZMA

ZQ ZH

ZU

ZL

ZY **ZF**

ZP

SP ZCUK

AMJ

AMV

AEP

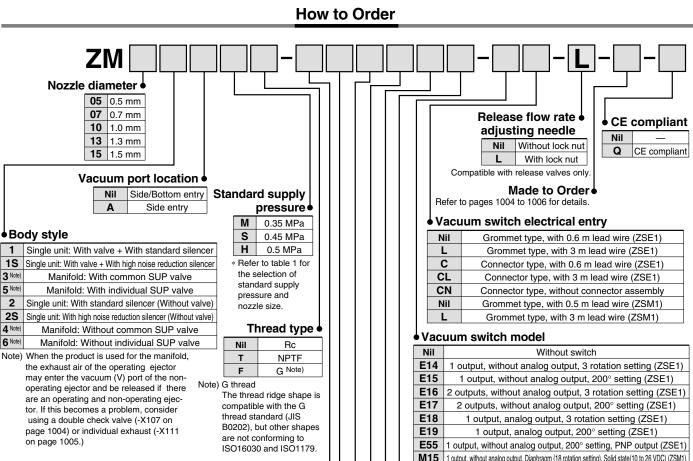
HEP

Equipment

Vacuum Ejector With Valve and Switch

Series ZM

Note) CE compliant: For DC only.



Supply valve/Release valve combination

,		
Supply valve (N.C.)		
Supply valve (N.C.), and release valve		
Supply valve (N.O.)		
Supply valve (N.O.), and release valve		
Air operated valve (supply valve), Port size connection M3 x 0.5		
Air operated valve (supply valve), Port size connection M5 x 0.8		
Air operated valve (supply/release valve), Port size connection M3 x 0.5		
Air operated valve (supply/release valve), Port size connection M5 x 0.8		
Without valve		

* As the double solenoid specifications, -X126 and -X135 are available as a special order. (Refer to page 1006.)

When selecting air operated valves, there will be no symbol specified for "pilot valves", "solenoid valve rated voltage", "electrical entry", "light/surge voltage suppressor" and "manual override"

Pilot valve

Nil	DC: 1 W (With indicator light: 1.05 W)		l
Υ	DC: 0.45 W (With indicator light: 0.5 W)	Solenoid valve rated voltage	•

* Only 24 VDC and 12 VDC are applicable to 0.45 W.

			CE compliant
1 N	lote)	100 VAC 50/60 Hz	-
3 N	lote)	110 VAC 50/60 Hz	_
	5 24 VDC		•
•	ô	12 VDC	•
1	/	6 VDC	•
5	S 5 VDC		•
F	7	3 VDC	•
N	lil	Air operated/Without valve	_

Note) CE compliant products are not available for "1" and "3".

Nil	Without switch		
E14	1 output, without analog output, 3 rotation setting (ZSE1)		
E15	1 output, without analog output, 200° setting (ZSE1)		
E16	2 outputs, without analog output, 3 rotation setting (ZSE1)		
E17	2 outputs, without analog output, 200° setting (ZSE1)		
E18	1 output, analog output, 3 rotation setting (ZSE1)		
E19	1 output, analog output, 200° setting (ZSE1)		
E55	1 output, without analog output, 200° setting, PNP output (ZSE1)		
M15	115 1 output, without analog output, Diaphragm (18 rotation setting), Solid state(10 to 26 VDC) (ZSM		
M21	M21 1 output, without analog output, Diaphragm (18 rotation setting), Reed (AC/DC 100 VAC)(ZS		

Manual override

Nil	Non-locking push type
B Locking slotted tyr	

Light/Surge voltage suppressor

Nil None			
Z With light/surge voltage suppres			
S	S With surge voltage suppressor		

S is not available for AC.

DC voltage (with surge voltage suppressor)

If the polarity is incorrect at DC (surge voltage suppressor), diode or switching element may be damaged.

Electrical entry

G	G Grommet type, with 0.3 m lead wire (applicable to DC		
Н	H Grommet type, with 0.6 m lead wire (applicable to D		
L	L plug connector, with 0.3 m lead wire		
LN L plug connector, without lead wire (applicable			
LO	L plug connector, without connector (applicable to DC)		
Nil	Nil Air operated/Without valve		

Combination of Nozzle Diameter and Standard Supply Pressure

Combination of Mozzio Biamotor and Ctandard Capping 1 1000ard			
Nozzle	Standa	rd supply pressu	re MPa
diameter	M (0.35)	S (0.45)	H (0.5)
0.5 mm	_	_	0
0.7 mm	0	_	0
1.0 mm	0	_	0
1.3 mm	0	0	0
1.5 mm	_	0	-

