



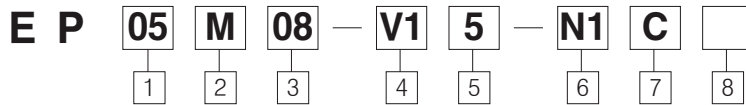
# Vacuum Equipment

## Slim Type Vacuum Ejector Series EP



- Compact structure—slim type(10mm), light weight.
- High vacuum value(600mHg) at low pressure(3kg/cm2)
- Low noise
- Various functions
  - LED 3Digit vacuum switch
  - Solenoid valve attached(vacuum, break)

## How to order



### 1 Nozzle diameter

05 :  $\phi$  0.5mm  
 07 :  $\phi$  0.7mm  
 10 :  $\phi$  1.0mm

### 2 Body and exhaustion type

Unit Type	S	Slencer exhaustion
Manifold Type	M	Slencer Collecting exhaustion at both sides
Type	MA	Slencer individual exhaustion

### 3 Diameter of connecting pipe

Classification	Compressed air		Vacuum Generating Port
	Supplying Port		
Unit Type	S	M5 (Individual)	M5 (Individual)
Manifold	M	M10(Collective)	M5 (Individual)
Type	MA	M5 (Individual)	M5 (Individual)

### 3 Manifold-number of station

no symbol	for unit	#Manifold M Type only : maximum number of stations (depending on the nozzle diameter)
01	1 station	· 0.5 : 8station
02	2 station	· 0.7 : 6station
⋮	⋮	· 1.0 : 4station
08	8 station	

### 4 Specification of electronic valve

Classification	for supplying air for breaking vacuum	
	N.C	N.C
V1	N.C	N.C
V2	N.O	N.C
V3	N.O	-
V4	N.C	-

### 5 Voltage of power supply

1 : AC110V  
 5 : DC24V (standard)

6 : DC12V

※For non standard, inquire separately.

### 6 Type of vacuum switch

\* Voltage of power supply: DC24V

Blank: no switch

N1 : NPN 1 point & analog output

N2 : NPN 2 points output

※For PNP Type, inquire separately.

### 7 Method to pull out switch lead wire

\* Connector type

Blank : length of lead wire 0.6M

C : length of lead wire 3M

### 8 Check valve

Blank : without check valve

H : with check valve

## Ejector

Applied fluid	air
Maximum pressure	0.6MPa(87psi)
Maximum vacuum pressure	-85KPa (-640mg) · (-12.3psi)
Range of supplied pressure	0.3 ~ 0.6MPa (43.5~87psi)
Range of temperature : °C(°F)	0 ~ 60°C(0~140°F)
Vacuum filter	polyethylene crystalline (30 $\mu$ m)
Weight : g ( l b )	manifold block left and right 144g(0.317 l b) unit type 88g(0.194 l b)

## Valve

Operating method	N.C / N.O direct operation
Main valve	poppet
Effective cross section (CV value)	0.18mm <sup>2</sup> (Cv 0.01)
Operating pressure	0.3~0.6MPa(43.5~87psi)
Method to pull out lead wire	plug connector
Power consumption	below 1.0 (attaching lamp)
Regular voltage	DC12*, DC24V / AC110*, AC220V*

## Type

nozzle diamete (mm)	type	maximum inhalation l /min (ANR)	air consumption l /min (ANR)	standard air pressure
0.5	EP 05	5	12	0.45MPa (64psi)
0.7	EP 07	11	22	
1.0	EP 10	22	46	

## Vacuum switch

Power supply	voltage	DC24V $\pm$ 10%
	current consumption per 1 unit	below 17mA (DC24V ON)
Sensor switch output	output point	2
	output method	NPN/PNP open collector
	range of set pressure	0~101kpa (0~760mmHg) · (0~14.7psi)
	control range	below 3% F.S. (fixed)
	indication of operation	LED(3digit red)
	precision	$\pm$ 0.5%F.S (0~50°C)
	responding time	below 2ms
	internal pressure	0.2 MPa(29.0psi)

## Color of lead wire

Red	DC(+)
Green	switch output 1
White	switch output 2
Black	DC(-)

- DS3000
- DS5000
- DP300/3000/5000
- DS6000
- DS3000 (Base Ported)
- DX1,2
- DX2R
- DH
- DW
- DM
- DT220/UDT220/DC
- TPC-1000 /1200
- PC
- PF
- PR
- PL
- PP
- PFH/ PFU
- PLV
- TXF
- PVR/PNR
- PER2000 /3000
- TAD
- EP
- EM/EL
- SPSA
- SPS
- SQ
- SC
- SP
- SP4000 /SPM
- SP2000
- SN
- SQ2
- SH
- DCH
- SF
- ST
- W1
- W2/W3
- W4/W5
- W6/W7 Mini Auto Switch