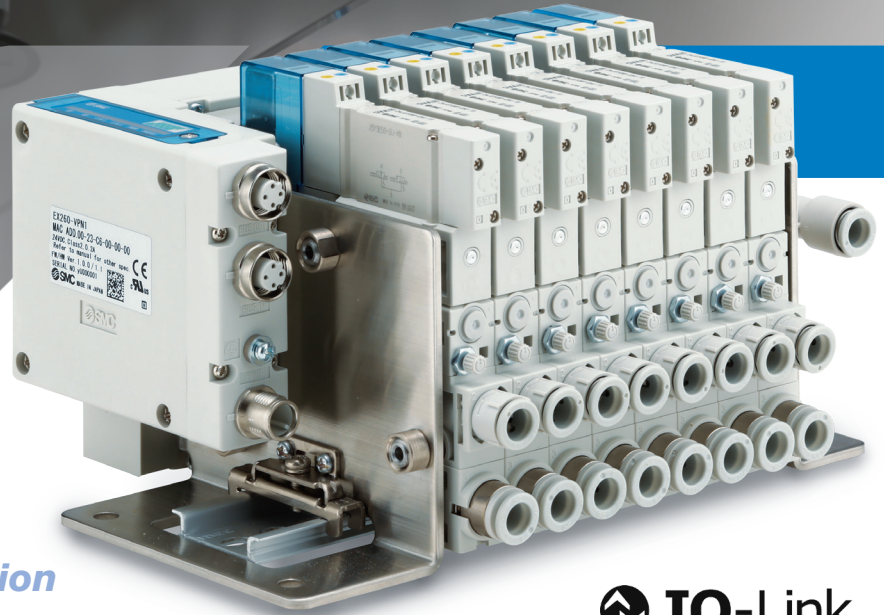




Automation - Controls - Process

Fieldbus Compatible Vacuum Generator

ZKJM Series



Energy-saving vacuum generation with fieldbus compatibility.

Comprehensive Vacuum Line

Vacuum generators and suction cups are integral to industrial automation pick and place systems as a gripping solution. Supporting products include: vacuum filters, regulators, and vacuum sensors.

- SMC's array of vacuum generators, also referred to as ejectors, have variations that include single ejector unit, manifold, inline, and generator/cup in one.
- SMC suction cups are modular allowing for custom configuration of a multitude of sizes, shapes, materials, and mounting adapters. Options include: non-marking types, FDA compliant, various cup shapes, ball-joint connections, and spring buffers to ensure a perfect fit for every application.

IO-Link

New

EtherNet/IP

New

EtherCAT

PROFINET

- Air Consumption reduced by 90%
- N.O. supply valve specification is available
- Easy Maintenance
- IP65 Rating

The manifold version ZKJM is a Fieldbus-compatible vacuum manifold with built-in pressure sensor and generator units with energy saving functions. The ZKJM manifold allows for remote control and monitoring of the pressure of individual generators in the manifold.



Vacuum Products



ZKJ Series

How to Order

ZKJM **12** **EAN** - **EMR** / **1** **6** **U** **H** **V** **A** **8** / **26UHA4**

1
2
3
4
5
6
7
8
9
10

1 Stations

Symbol	Manifold Stations
04	4
08	8
12	12
16	16

2 SI Unit specifications

Symbol	Protocol
DAN	EtherCAT
EAN	EtherNet/IP™
FAN	PROFINET
KAN	IO-Link

3 Option

Symbol	Type
Nil	Without Option
E	Vacuum break flow adjusting needle screwdriver operation type long lock nut
M	Plug for individual supply (Blocking the air supply passage to the D side)
R	With manual override for residual pressure release
Y	Vacuum (V) port release to atmosphere type (Check valve: 1pc.)

4 Nozzle Size

Symbol	Nominal Nozzle Size
1	ø0.7
2	ø1.0
3	ø1.2
4	ø1.5

5 Vacuum (V) Port

Symbol	Vacuum (V) Port	End Plate Supply Port (P)
6	ø6mm	ø8 One-touch fittings
8	ø8mm	
7	ø1/4"	ø5/16" One-touch fittings
9	ø5/16"	

6 Individual Supply Port

Symbol	Individual Supply (P) Port
Nil	Plug
U	ø6 when Vacuum port is ø6 or ø8 ø1/4" when Vacuum port ø1/4" or ø5/16"

7 Exhaust (EXH) Port

Symbol	Individual Supply (P) Port
H	High-Noise reduction Silencer Exhaust
P	Port Exhaust (ø8 or ø5/16")

8 Exhaust Sealing Valve

Symbol	Specification	Pressure Sensor
Nil	None	-100 to 100 [kPa]
V	Exhaust Sealing Valve	-100 to 200 [kPa]

9 Supply and Release Valve

Symbol	Supply Valve	Release Valve
A	N.C.	N.C.
E	N.O.	N.C.

Notes:

1. Manifold will be assembled left to right as in part number.
2. Only 2 unique ZKJ variations can be configured.
3. 3 Option will apply to all stations.
4. 3 Options R & Y cannot be combined.
5. 10 and repeating selection quantity must sum to less than or equal than 1 Manifold Stations.
6. Blanking plates are automatically added in empty slots.
7. Please refer to ZKJ catalog for full detail of manifold ordering.

10 First Selection Quantity

(1 to 1 Manifold stations)

RELATED PRODUCTS

ITV



Electronic Vacuum Regulator

IRV



Vacuum Regulator

ZP3C



Suction Cup for Corrugated Cardboard

ZP2V



Vacuum Saving Valve