

## Micro pump

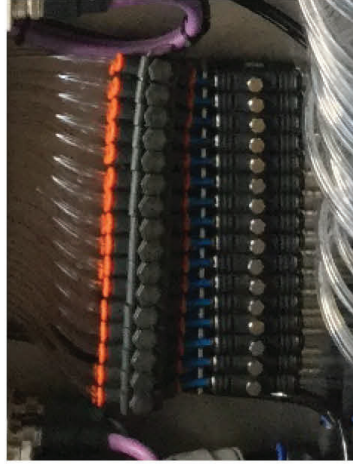
### Features and Strengths

Highly operational reliability despite fluctuating or low compressed-air pressure  
Extremely compact size and low air consumption  
Push-in type direct hose fitting

### Advantages

Available for air control / vacuum release valve and vacuum switch option in compact size  
Reliable and stable operation - High vacuum level and vacuum flow in low air consumption

### Application



### Overall of specification

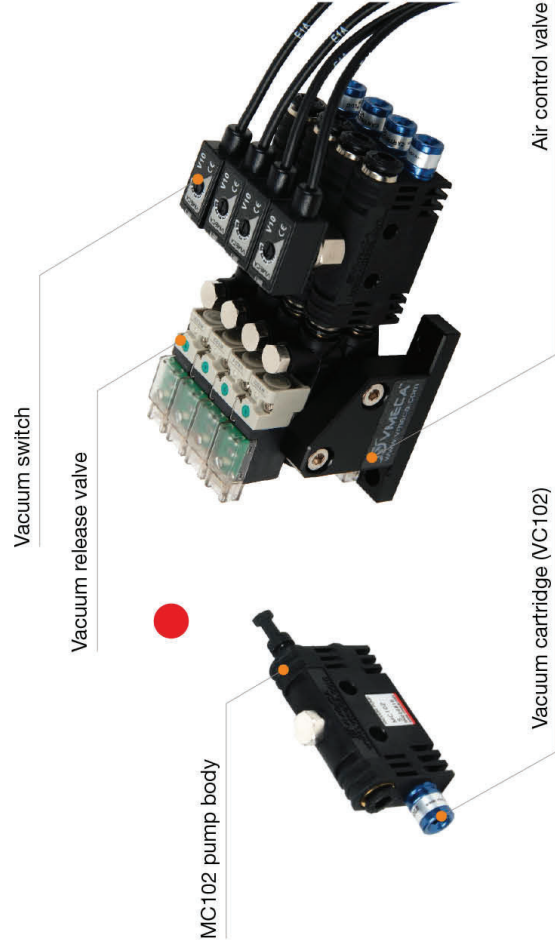
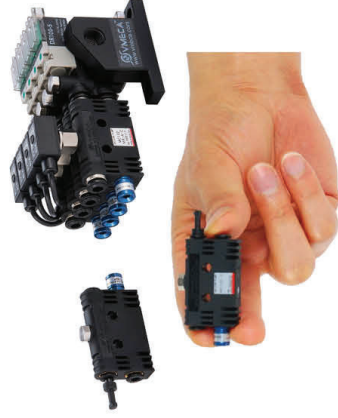
Model	Max. Vacuum	Max. Feed Pressure (bar)	Max. Vacuum Flow (NI/m)	Air Consumption (NI/m)	Noise level (dbA)
MC102	83	6	16	10	50 ~ 60

## Micro pump

**VMECA Micro pump** can be combined with the optional vacuum On/Off control valve, vacuum release valve and vacuum switch to create an optimal vacuum solution for various industry such as packaging, semicon and etc. It can build individual vacuum system with manifold type and it contributes reliable and safe performance in operation. Also VMECA Micro pump has highly efficient energy consumption, but high vacuum level and vacuum flow.

### Key advantages

- VMECA vacuum cartridge integrated
- Low air consumption
- Compact size & Light weight



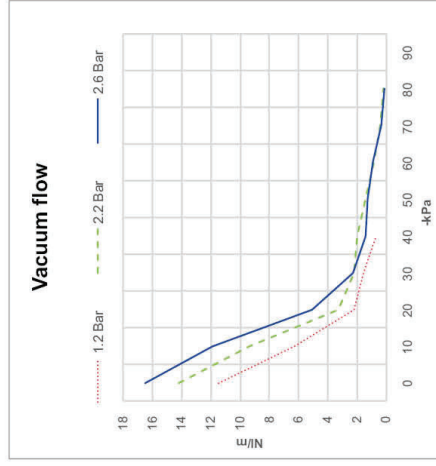
Single type

Stack type

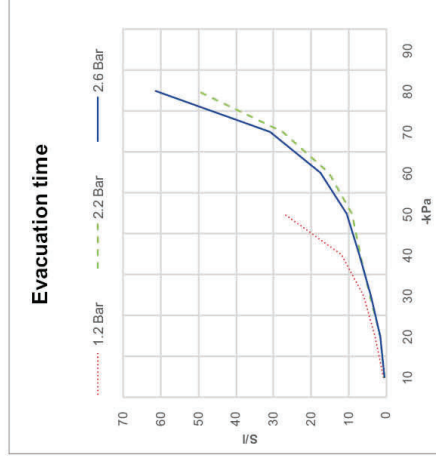


## Performance data

MC102

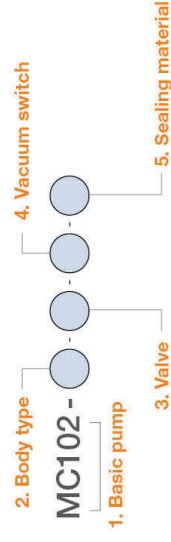


\*: Vacuum flow at different vacuum level



\*: Time to evacuate a volume at different vacuum level

## Build an Ordering No.



<b>1. Basic pump</b>	<b>Description</b> Micro pump, 2-stage cartridge, Plug	<b>Symbol</b> MC102
<b>2. Body type</b>	<b>Description</b> Single unit Manifold unit - 2 stacks Manifold unit - 4 stacks Manifold unit - 6 stacks Manifold unit - 8 stacks Manifold unit - 10 stacks	<b>Symbol</b> S M2 M4 M6 M8 M10
<b>3. Valve</b>	<b>Description</b> No valves: Only available with Single unit Air control valve : N.C.(Normal Closed) / Vacuum release valve : N.C.(Normal Closed) Air control valve : N.C.(Normal Closed) - The valve for Micro pump is available only DC24V	<b>Symbol</b> Blank A B
<b>4. Vacuum switch</b>	<b>Description</b> No switch Vacuum switch, No analog supply, M8-3pins, NPN Vacuum switch, No analog supply, M8-3pins, PNP Vacuum switch, No analog supply, 3m lead wire, NPN Vacuum switch, No analog supply, 3m lead wire, PNP	<b>Symbol</b> Blank Blank C PC G PG
<b>5. Sealing material</b>	<b>Description</b> NBR VITON EPDM	<b>Symbol</b> Blank Blank V E

## Spare Parts – Basic pumps

Part No.	Description	Weight (g)
MC102-S	Micro pump, 2-stage cartridge, Plug, Single unit	14.1

## Spare Parts – Cartridge

Part No.	Description	Weight (g)
VC102	Micro vacuum cartridge, 2-Stage for MC102	0.7

## Spare Parts – Plug

Part No.	Description
VCP-M7	Holding plug for MC102