



M-ECO integrated vacuum generator



Sheet metal



Packaging



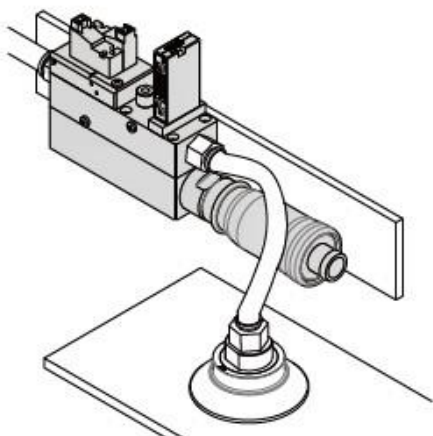
Wood



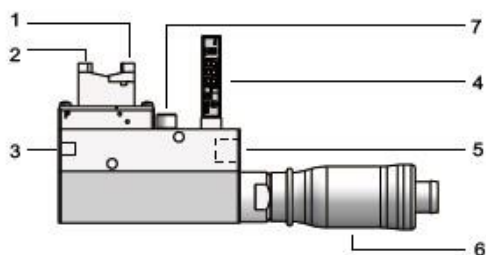
Composite material



Application of M-ECO integrated vacuum generator



System design of M-ECO integrated vacuum generator



Introduction

- ◆ With an extremely high suction capacity, the vacuum generator can quickly and safely handle all breathable workpieces.
- ◆ Efficient multistage nozzles, quick evacuation in a vacuum of low vacuum degree, less cost, shorter working cycle
- ◆ Integrated with solenoid valve and vacuum switch to form a space-saving integral structure
- ◆ Optional air saving function enables less compressed air consumed for handling airtight workpieces.

Application

- ◆ Integrated with solenoid valve and vacuum switch, the multistage vacuum generator is used to handle cardboards, packaging materials, sound insulating materials and other porous materials.

Structure

- ◆ (1) Blowing valve
- ◆ (2) Suction valve
- ◆ (3) Compressed air inlet
- ◆ (4) Vacuum switch
- ◆ (5) Gripper connecting port
- ◆ (6) Silencer
- ◆ (7) Flow breakage adjusting nut

**M-ECO - 25 - 2 NC VN**

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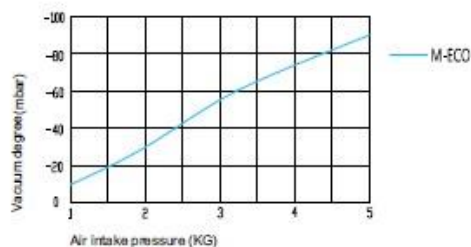
① Product series	② Vacuum tube	③ Number of vacuum tube stages	④ Initial state of suction valve	⑤ System monitoring control
M-ECO	25 – Vacuum tube type - XI40	2 - 2-stage vacuum tube 3 - 3-stage vacuum tube	NC - Normally closed NO - Normally open Note: Initial state of suction valve: NC - constantly on; NO - constantly off.	Null - No digital vacuum switch VN - NPN digital vacuum switch VP - PNP digital vacuum switch RN- NPN energy-saving digital vacuum switch RP - PNP energy-saving digital vacuum switch

Technical parameters of M-ECO integrated vacuum generator

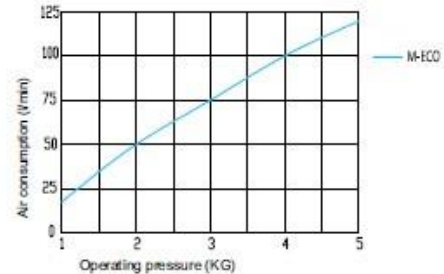
Model	Maximum vacuum degree %	Maximum vacuum flow rate l/min	Maximum air consumption l/min	Air intake pressure bar	Weight g
M-ECO-25-2...	95	168	139	4...6	571.5
M-ECO-25-3...	95	372	139	4...6	597.5

Performance curve of M-ECO integrated vacuum generator

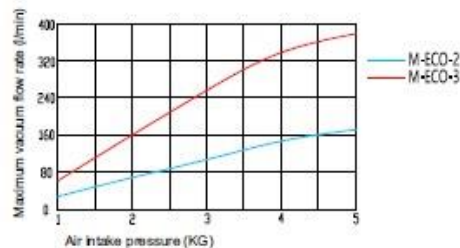
Vacuum degree at different pressure



Air consumption at different pressure



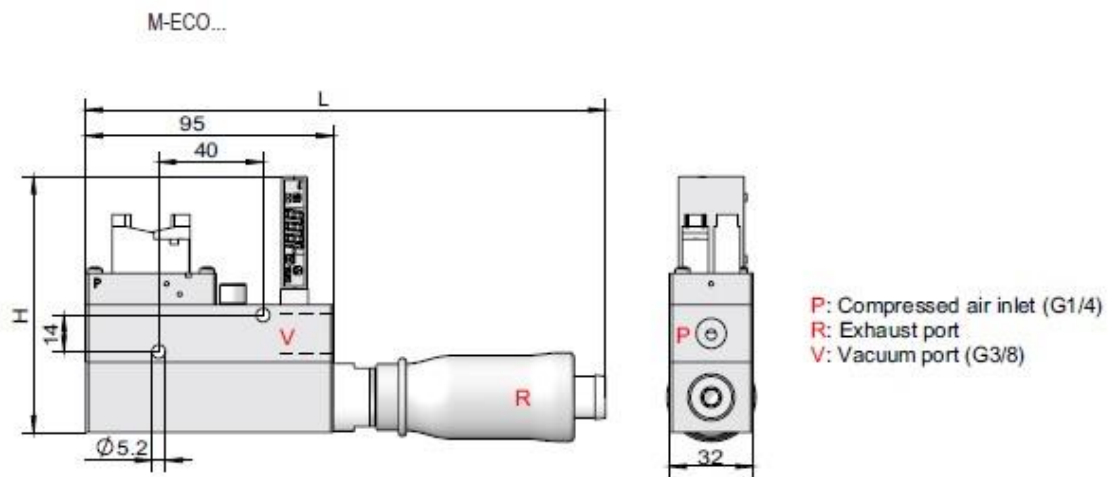
Maximum vacuum flow rate at different pressure





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4 Design parameters of M-ECO integrated vacuum generator



Model	Size (mm)	
	H	L
M-ECO-25-2 NC(NO)	90.5	199
M-ECO-25-3 NC(NO)	90.5	245
M-ECO-25-2 NC(NO) □	98	199
M-ECO-25-3 NC(NO) □	98	245