



MMP integrated vacuum generator



General-purpose



Sheet metal



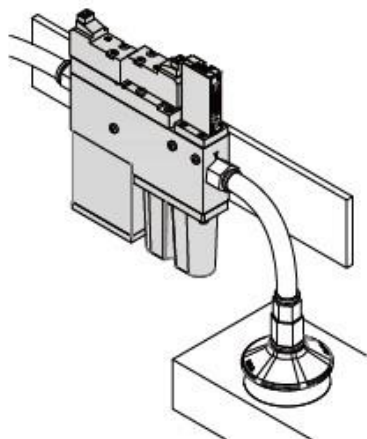
Packaging



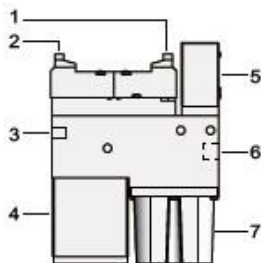
Robot



Application of MMP integrated vacuum generator



System design of MMP integrated vacuum generator



Introduction

- ◆ High suction and blowing capacity, extremely quick suction and release of workpieces to ensure minimum working cycle
- ◆ Different suction flow rates to meet various operation requirements
- ◆ Automatic air saving function (optional) offers operation economy for continuous operation.
- ◆ A plurality of modular structures flexibly meet customer needs.
- ◆ Digital vacuum switch (optional) can be easily adjusted and displayed through an LED screen.

Application

- ◆ The integrated vacuum generator is applicable to handling non-breathable workpieces.
- ◆ Applicable to handling metal sheets, packaging machinery and industrial robots in the automotive industry
- ◆ Suitable for very short workpiece suction and release cycles (with a strong blowing function to enable the workpiece to be released quickly)

Structure

- ◆ (1) Blowing valve
- ◆ (2) Suction valve
- ◆ (3) Compressed air inlet
- ◆ (4) Silencer
- ◆ (5) Vacuum switch
- ◆ (6) Vacuum port
- ◆ (7) Filter



MMP integrated vacuum generator

MMP integrated vacuum generator purchase guide

MMP C 15 NO AS VD NPN

① ② ③ ④ ⑤ ⑥ ⑦

① Product series	② Product type	③ Nozzle size	④ Initial state of suction valve
MMP	Null - Basic type C - Dedicated for automotive industry	15 - 1.5mm 20 - 2.0mm 25 - 2.5mm 30 - 3.0mm	NC - Normally closed NO - Normally open
⑤ Blowing valve		⑥ System monitoring control	⑦ Switch output mode
AS - Blowing valve		Null - No vacuum switch VD - Digital vacuum switch RD - Energy-saving vacuum switch	NPN PNP

Note: When "Null" is selected, there will be no need to make a choice for "⑦ Switch output mode".

Models of MMP integrated vacuum generator fittings and elements

Model	Solenoid valve plug	Substitute silencer	Substitute filter element
MMP 15 NO/NC AS (VD)	KC-25	MCP-DXYQ	MCP-GLG
MMP 20 NO/NC AS (VD)	KC-25	MCP-DXYQ	MCP-GLG
MMP 25 NO/NC AS (VD)	KC-25	MCP-CXYQ	MCP-GLG
MMP 30 NO/NC AS (VD)	KC-25	MCP-CXYQ	MCP-GLG
MMPC 15 NO/NC AS (VD)	KC-26	MCP-DXYQ	MCP-GLG
MMPC 20 NO/NC AS (VD)	KC-26	MCP-DXYQ	MCP-GLG
MMPC 25 NO/NC AS (VD)	KC-26	MCP-CXYQ	MCP-GLG
MMPC 30 NO/NC AS (VD)	KC-26	MCP-CXYQ	MCP-GLG

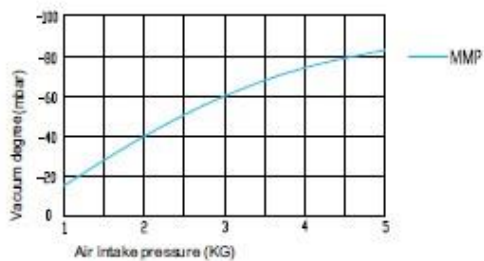
Technical parameters of MMP integrated vacuum generator

Model	Nozzle size mm	Vacuum degree %	Maximum vacuum flow rate l/min	Suction air consumption l/min	Maximum blowing air consumption l/min	Air intake pressure bar	Weight g
MMP□ 15...	1.5	85	65	117	220	5...6	465
MMP□ 20...	2.0	85	116	190	220	5...6	465
MMP□ 25...	2.5	85	161	310	220	5...6	485
MMP□ 30...	3.0	85	200	420	220	5...6	485

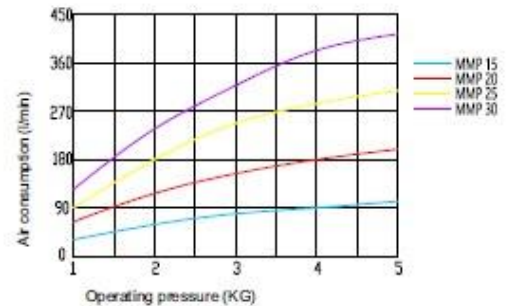


Performance curve of MMP integrated vacuum generator

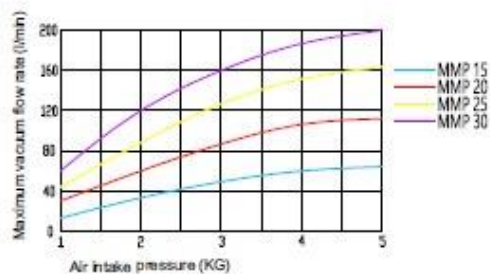
Vacuum degree at different pressure



Air consumption at different pressure

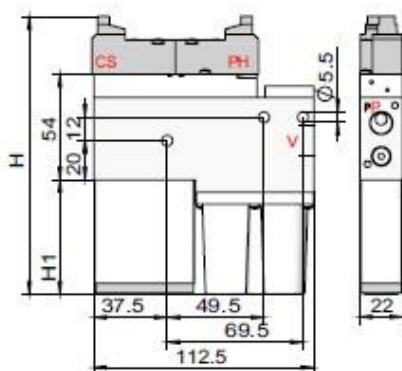


Maximum vacuum flow rate at different pressure



Design parameters of MMP integrated vacuum generator

MMP15 to 30 NC/NO AS

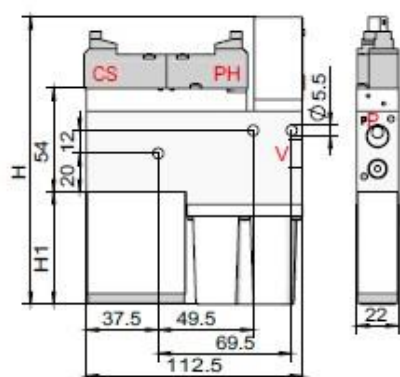


P: Compressed air inlet (G1/4)
V: Vacuum port (G3/8)
PH: Vacuum breakage control valve
CS: Vacuum generation control valve

Model	Size (mm)	
	H	H1
MMP 15 NO(NC) AS	142.5	58.5
MMP 20 NO(NC) AS	142.5	58.5
MMP 25 NO(NC) AS	157.5	73.5
MMP 30 NO(NC) AS	157.5	73.5

**Design parameters of MMP integrated vacuum generator**

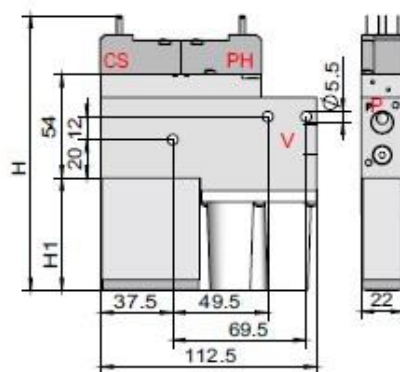
MMP15 to 30 NC/NO AS VD



P: Compressed air inlet (G1/4)
V: Vacuum port (G3/8)
PH: Vacuum breakage control valve
CS: Vacuum generation control valve

Model	Size (mm)	
	H	H1
MMP 15 NO(NC) AS VD	149.5	58.5
MMP 20 NO(NC) AS VD	149.5	58.5
MMP 25 NO(NC) AS VD	164.5	73.5
MMP 30 NO(NC) AS VD	164.5	73.5

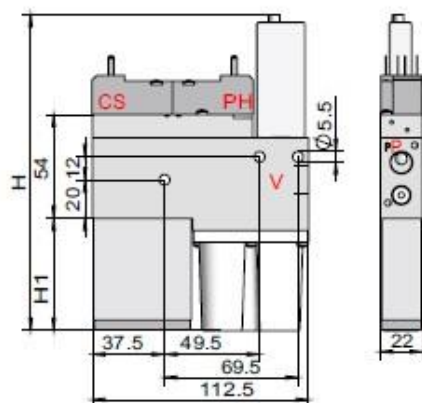
MMPC15 to 30 NC/NO AS



P: Compressed air inlet (G1/4)
V: Vacuum port (G3/8)
PH: Vacuum breakage control valve
CS: Vacuum generation control valve

Model	Size (mm)	
	H	H1
MMPC 15 NC(NO) AS	143	58.5
MMPC 20 NC(NO) AS	143	58.5
MMPC 25 NC(NO) AS	158	73.5
MMPC 30 NC(NO) AS	158	73.5

MMPC15 to 30 CN/NO AS VD



P: Compressed air inlet (G1/4)
V: Vacuum port (G3/8)
PH: Vacuum breakage control valve
CS: Vacuum generation control valve

Model	Size (mm)	
	H	H1
MMPC 15 NC(NO) AS VD	150	58.5
MMPC 20 NC(NO) AS VD	150	58.5
MMPC 25 NC(NO) AS VD	165	73.5
MMPC 30 NC(NO) AS VD	165	73.5