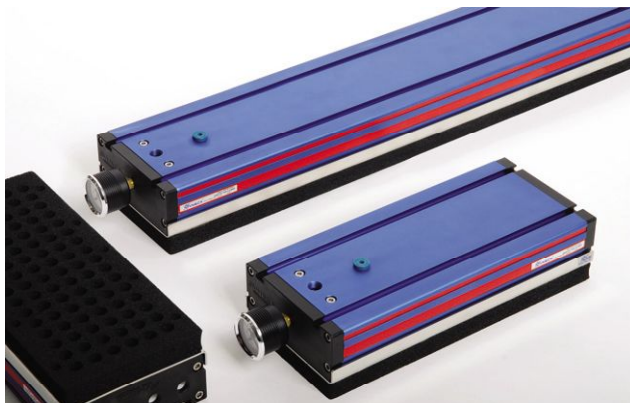


VG-Series

Max. vacuum level	: -74 kPa (-21.85 inHg)
Max. flow rate	: 1,448 NI/min (51.1 scfm)
Supply air pressure	: 4~6 bar, max 7 bar (58~87 psi, max 101.5 psi)
Air consumption	: 416 NI/min (14.6 scfm)
Supply air type	: Dry compressed air
Working temperature	: -20°C ~ + 80°C
Noise level	: 55~65 dBA

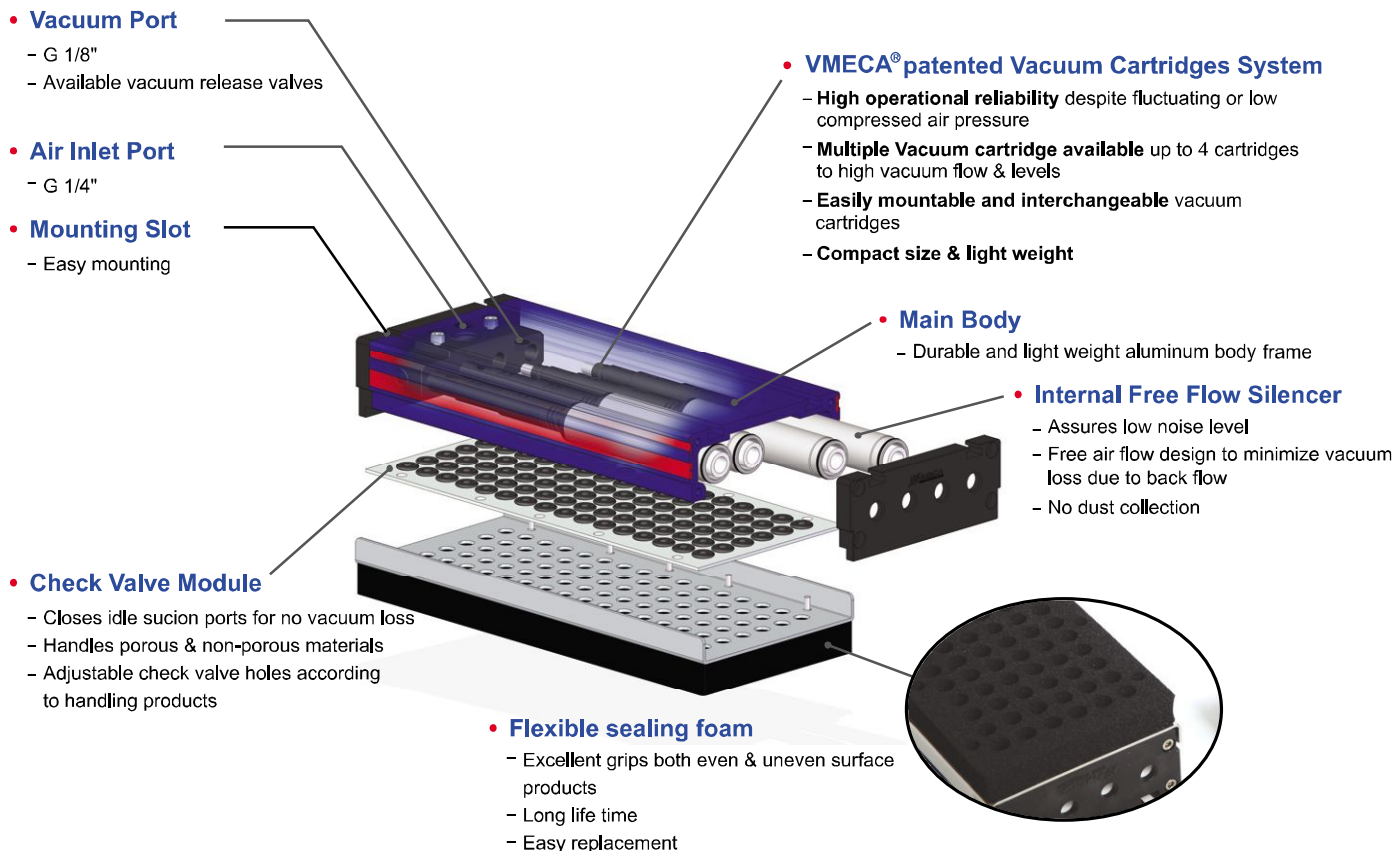


Features

- Modular design gripper system integrated with high efficient multi-stage VMECA Vacuum cartridge^{PT}
- Handles various products with different shapes, sizes and porous materials
- Flexible sealing foam to excellent grip both even & uneven surface products
- Adjustable check valve holes & perfect closure of the idle suction ports
- Durable and light weight aluminum body frame
- Easy installation and low maintenance

Construction of the VG Series

✓ All-around V-Grip system !
✓ Handles various size of products !!



Technical data

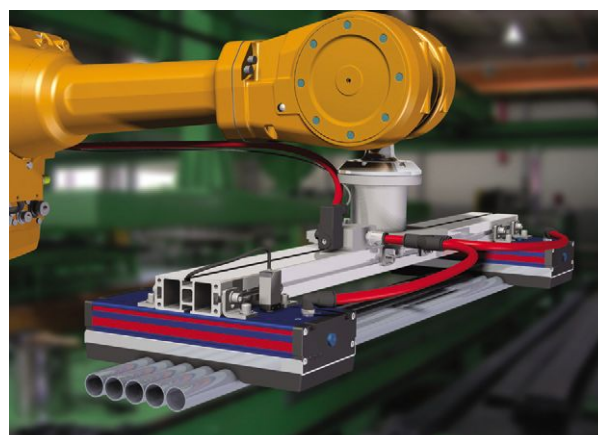
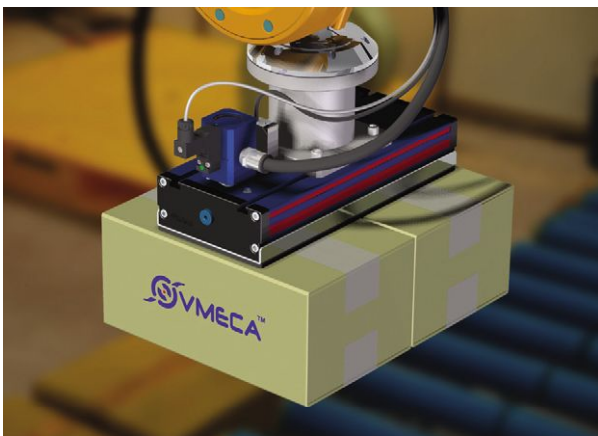
TYPE	Air inlet pressure MPa (psi)	Air consumption NI/m (scfm)	Max.Vacuum Flows NI/m (scfm)	Max.Vacuum level -kPa (-inHg)
VG 130x300 L2 ES..	0,6 (87)	208 (7,3)	724 (25,5)	74 (21,85)
VG 130x300 L3 ES..	0,6 (87)	312 (11)	1,086 (38,3)	74 (21,85)
VG 130x300 L4 ES..	0,6 (87)	416 (14,6)	1,448 (51,1)	74 (21,85)

TYPE	Holding force at 40% Sealing (N)**	Holding force at 60% Sealing (N)**	Holding force at 80% Sealing (N)**	Weight (NET) kg*
VG 130x300 L2 ES..	270	410	610	2,85
VG 130x300 L3 ES..	310	525	705	2,84
VG 130x300 L4 ES..	480	710	950	2,84

** NOTE : Actual figures might be different according to surface and porousness of product

* Weight of Flange mount not included

Application



Ordering Information

VG 130x300 L4 ES A3 R3 G

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Gripper type (width)

- **VG 130** - 130 mm

② Length

- **300** - 300 mm
- 220 - 220 mm

③ Specification of Vacuum cartridge

	Air inlet pressure MPa(PSI)	Max.Vacuum level -kPa(-inHg)	Max.Vacuum flow Nl/min(SCFM)
L2	0.6 (87)	75 (22.1)	724 (25.5)
L3	0.6 (87)	75 (22.1)	1,086 (38.3)
• L4	0.6 (87)	75 (22.1)	1,448 (51.1)

④ Check valves

- **E** - Standard
- A* - Adjustable Check valve

*Available only with 'W', section ⑤

⑤ Port spacing

- **S** - Narrow Spacing
- W - Wide Spacing

⑥ Air inlet control valve

- A1 - G3/8", N/C, AC110V
- A2 - G3/8", N/C, AC220V
- **A3** - G3/8", N/C, DC24V

⑦ Vacuum release control valve

- R1 - G1/8", N/C, AC110V
- R2 - G1/8", N/C, AC220V
- **R3** - G1/8", N/C, DC24V

⑧ Vacuum switch

- **G** - Dial gauge attached

- - Not attached

S2(P) - Digital output 2points, No analog supply.
M8-4Pin male connector.(0.3m lead wire)

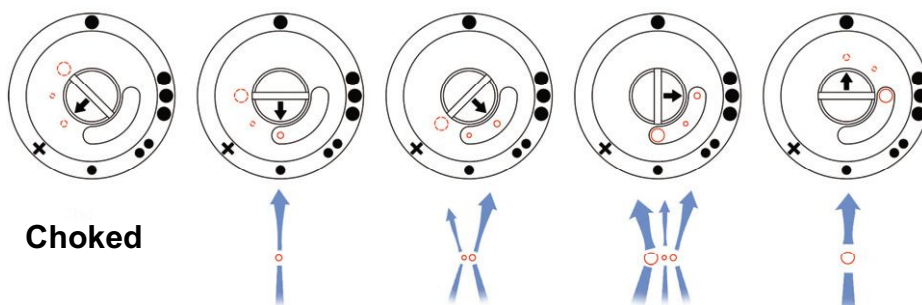
SG2(P) - Digital output 2 points, No analog supply.
Grommet type 4-Core 2m lead wire.

SG3(P) - Digital output 2 points, Analog supply.
Grommet type 5-Core 2m lead wire.

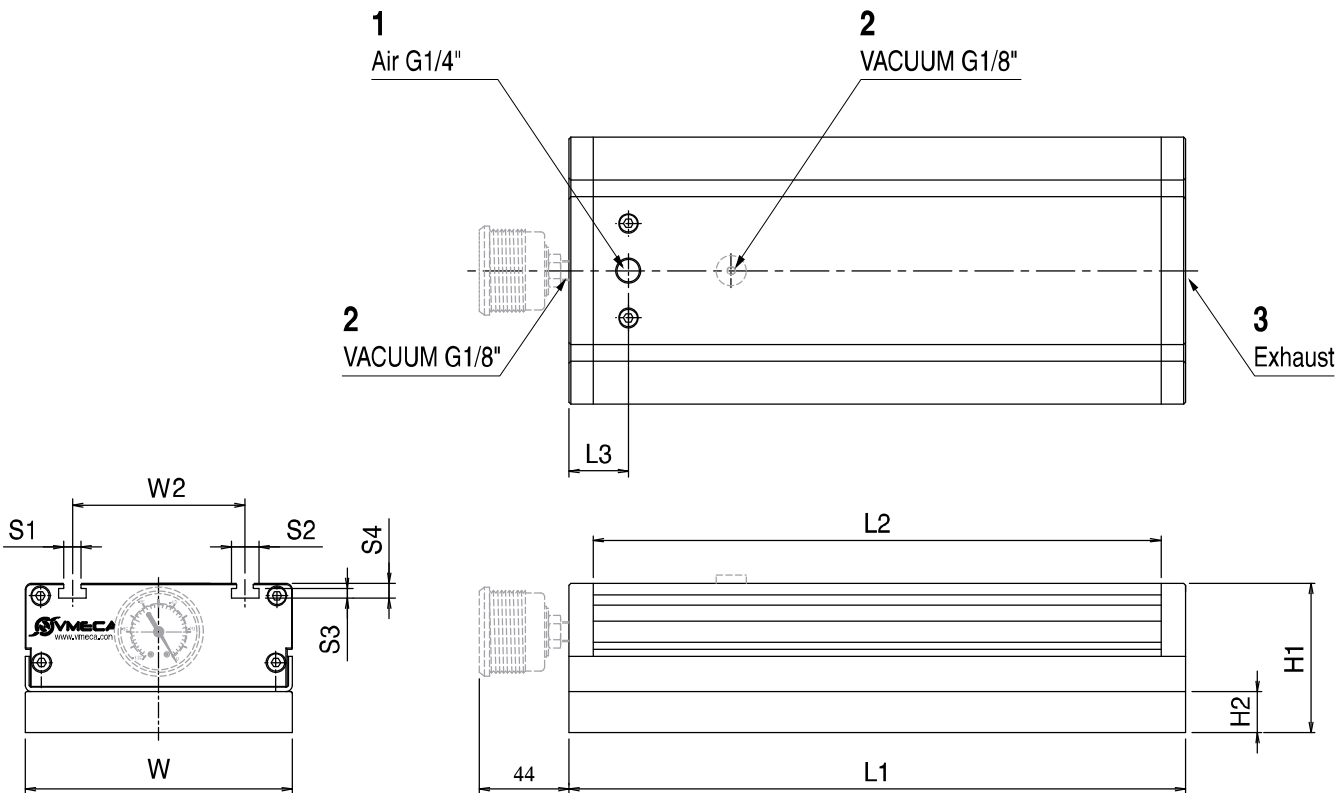
※ Remark: ① S..(P)
→ Output type :PNP open collector
② VCM8 42 : M8-4Pin female connector.
Option for type S2 or S2(P).

• Adjustable check valve

PATENT



Dimension data



TYPE	SIZE mm (inch)										
	W	W2	L1	L2	L3	H1	H2	S1	S2	S3	S4
VG 130X300...	130 (5,11)	84 (3,3)	300 (11,8)	276 (10,86)	29 (1,14)	72,5 (2,85)	20 (0,78)	8,2 (0,32)	13,5 (0,53)	4,5 (0,17)	7 (0,27)
VG 130X220...	130 (5,11)	84 (3,3)	220 (8,66)	196 (7,72)	29 (1,14)	72,5 (2,85)	20 (0,78)	8,2 (0,32)	13,5 (0,53)	4,5 (0,17)	7 (0,27)