

G 200 Series

Max. vacuum level	: - 75 kPa (-563 mmHg)
Max. flow rate	: 2,896 NI/min (101.4 scfm)
Supply air pressure	: 4 ~ 6bar, max 7bar (58~87psi, Max.101.5 psi)
Air consumption	: 832 NI/min (29.1 scfm)
Supply air type	: Dry compressed air
Working temperature	: - 20°C ~ 80°C (-4°F ~ 176°F)
Noise level	: 55 ~ 65 dBA



Features

- ✓ Handles various products with different shapes, sizes and porous material
- ✓ Flexible sealing foam(EPDM) sponge pad to excellent grip.
- ✓ Adjustable check valve holes and perfect closure of the idle suction ports
- ✓ Durable and light weight aluminum body frame
- ✓ Easy Installation and low maintenance

Ordering Information

G 200 X 300 - L4 - ES1 - A3 R3 - DN - G



① G Series (width)

G 200	- VGRIP Width 204mm
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② Length

250	- VGRIP Length 250mm
300	- VGRIP Length 300mm
400	- VGRIP Length 400mm
600	- VGRIP Length 600mm
800	- VGRIP Length 800mm
1000	- VGRIP Length 1000mm
1200	- VGRIP Length 1200mm

③ Vacuum Cartridge Type

	Feed Pressure MPa (psi)	Max Vacuum -kPa (-mmHg)	Max Vacuum flow NI/min (scfm)
L2	0.6 (87)	75 (563)	724 (25.6)
L3	0.6 (87)	75 (563)	1,086 (38.4)
L4	0.6 (87)	75 (563)	1,448 (51.1)
L5	0.6 (87)	75 (563)	1,810 (63.9)
L6	0.6 (87)	75 (563)	2,172 (76.7)
L7	0.6 (87)	75 (563)	2,534 (89.5)
L8	0.6 (87)	75 (563)	2,896 (102.3)

Cartridge's selection according to the length (No②) : 250 ~ 500mm: L2 ~ L4
600 ~ 1200mm: L2 ~ L8

④ Check Valve & Sponge Type

ES1	- Round suction hole, For leakage / Non-porous objects
ES2	- Round suction hole, For non leakage / Porous objects
ES1-P1	- Round suction hole (Ø5), For leakage / Non-porous objects
ES2-P1	- Round suction hole (Ø5), For non leakage / Porous objects
AW	- Adjustable Check Valve (Wide round shape)
AO	- Smart efficiency valve, A Type, No Leakage Object, Round shape suction hole
BO	- Smart efficiency valve, B Type, 10~39% Leakage Object, Round shape suction hole
CO	- Smart efficiency valve, C Type, 40~50% Leakage Object, Round shape suction hole
AL	- Smart efficiency valve, A Type, No Leakage Object, Oval shape suction hole
BL	- Smart efficiency valve, B Type, 10~39% Leakage Object, Oval shape suction hole
CL	- Smart efficiency valve, C Type, 40~50% Leakage Object, Oval shape suction hole

⑤ Air Control Valve

A1	- G1/4", N/C, AC110V
A2	- G1/4", N/C, AC220V
A3	- G1/4", N/C, DC24V
D1	- Double Solenoid AC110V
D2	- Double Solenoid AC220V
D3	- Double Solenoid DC24V

⑥ Release Valve

R1	- G1/4", N/C, AC110V
R2	- G1/4", N/C, AC220V
R3	- G1/4", N/C, DC24V

A... : No ③ Restrict according to the vacuum cartridge

L2 ~ L5: G1/4" : VMS14 Valve

L6 ~ L8: G3/8" : VMS38 Valve

D... : G3/8" Double Solenoid Valve

Double Solenoid Valve is only possible DN, DL type in the No.8

⑦ Solenoid Terminal

DN	- DIN type without lead wire
DL	- DIN type with lamp, without lead wire
CL	- Connector Type with lamp & 0.3 m lead wire

⑧ Vacuum Switch

G	- Digital Gauge Attached (VTG-18)
-	- Not attached
S2(P)	- Digital output 2 points, 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)
SG3X(P)	- Digital output 2 points, No analog Supply (Grommet type 4 core, 2m lead wire)

※Mark : ① S..(P)

L Output type : PNP open collector

② VC M8-4-2 : M8-4 pin female connector

L Option for 'S2' or 'S2P'

G200 Series Characteristics

Model	Air inlet Pressure Mpa (psi)	Air consumption N/m (scfm)	Max. Vacuum Flows N/m (scfm)	Max. Vacuum level -kPa (-mmHg)
G 200 X 250 L4...	0.6 (87)	416 (14.6)	1,448 (51.1)	75 (563)
G 200 X 300 L4...	0.6 (87)	416 (14.6)	1,448 (51.1)	75 (563)
G 200 X 400 L4...	0.6 (87)	416 (14.6)	1,448 (51.1)	75 (563)
G 200 X 600 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 200 X 800 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 200 X 1000 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 200 X 1200 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)

G200 Series Holding Force (N) % according to the length (mm)

Standard (ES TYPE)

Model	Holding force at 40% Sealing (N)**	Holding force at 60% Sealing (N)**	Holding force at 80% Sealing (N)**	Holding force at 100% Sealing (N)**	Weight (Kg)*
G 200 X 250 LC4 ES...	344	546	994	1,237	2.0
G 200 X 300 L4 ES...	422	671	1,220	1,518	2.7
G 200 X 400 L4 ES...	500	795	1,446	1,799	3.3
G 200 X 600 L8 ES...	913	1,672	2,169	2,759	5.3
G 200 X 800 L8 ES...	1,049	2,316	2,892	3,719	6.7
G 200 X 1000 L8 ES...	1,152	3,384	4,181	5,289	8.1
G 200 X 1200 L8 ES...	1,227	3,602	4,459	5,638	9.6

Adjustable (AW TYPE)

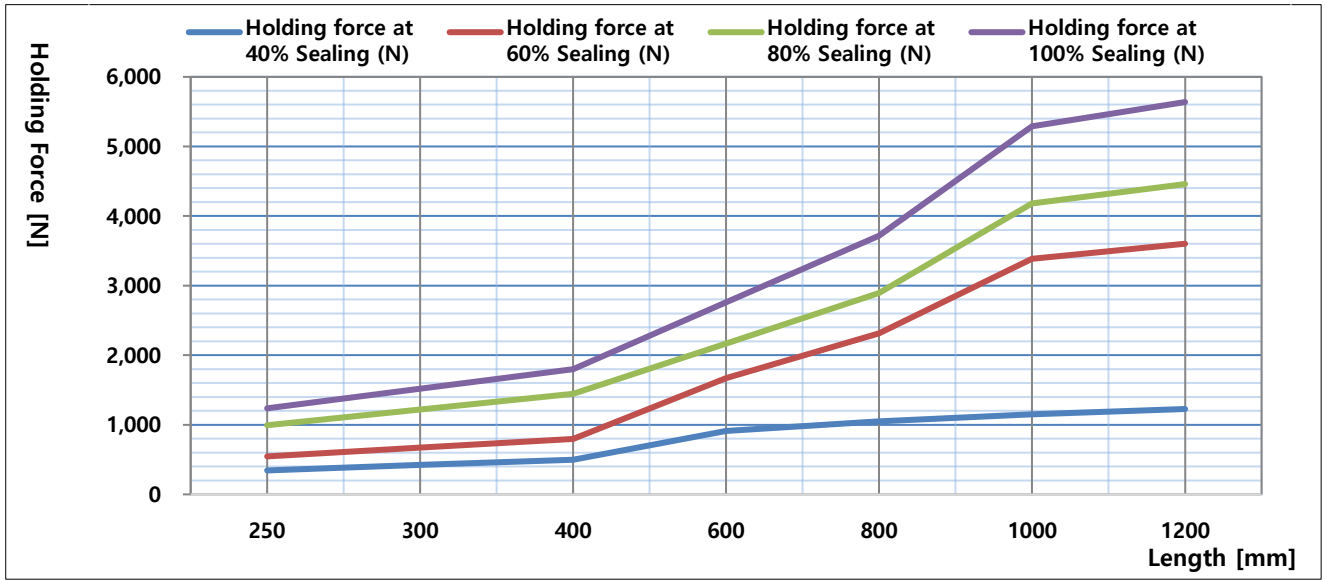
Model	Holding force at 40% Sealing (N)**	Holding force at 60% Sealing (N)**	Holding force at 80% Sealing (N)**	Holding force at 100% Sealing (N)**	Weight (Kg)*
G 200 X 250 LC4 AW...	246	524	1,023	1,301	2.0
G 200 X 300 L4 AW...	402	697	1,506	1,937	2.6
G 200 X 400 L4 AW...	463	871	1,620	2,081	3.2
G 200 X 600 L8 AW...	925	2,196	2,529	3,237	5.2
G 200 X 800 L8 AW...	990	2,415	3,439	4,393	6.6
G 200 X 1000 L8 AW...	1,059	2,536	4,348	5,550	8.1
G 200 X 1200 L8 AW...	1,695	3,322	5,258	6,706	9.4

** Values may vary by workpiece surface and permeability. For reference only.

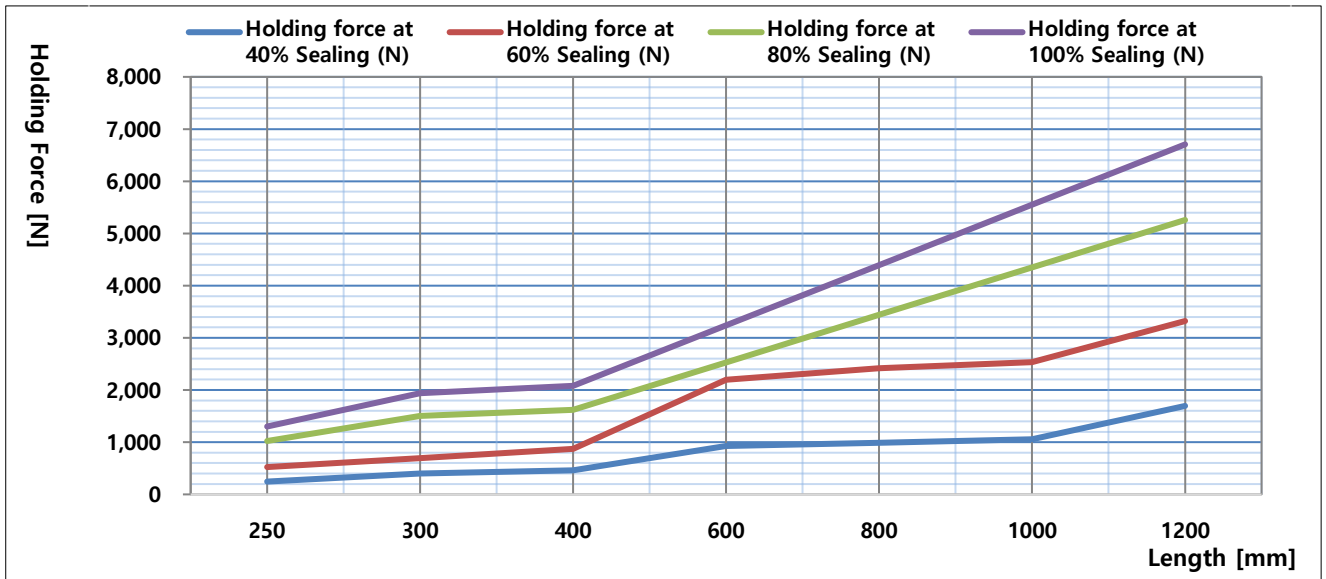
** Data set does not include safety factors. Apply appropriate safety factors for actual applications.

G200 Series Holding Force(N) according to the length(mm)

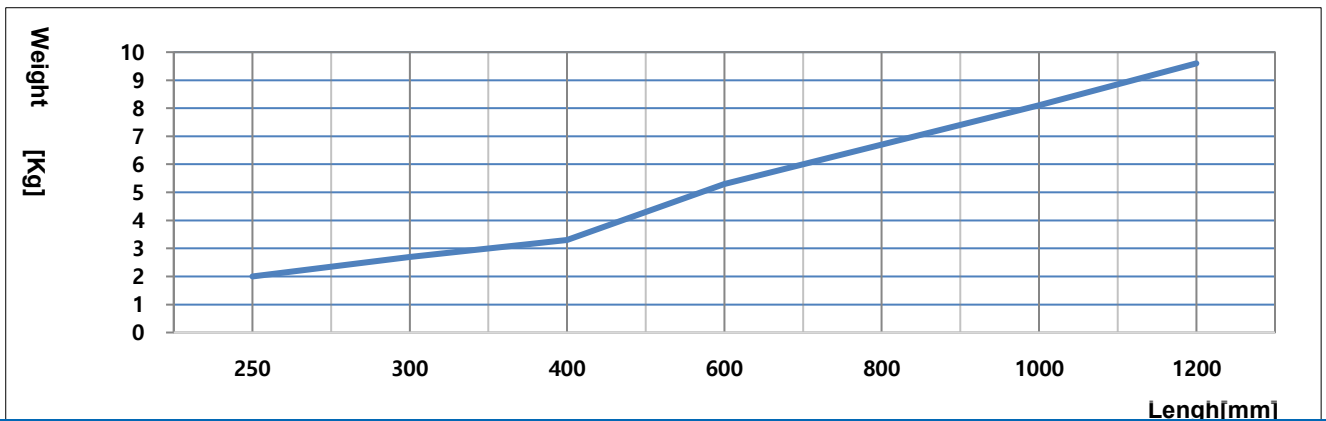
► ES Type



► AW Type

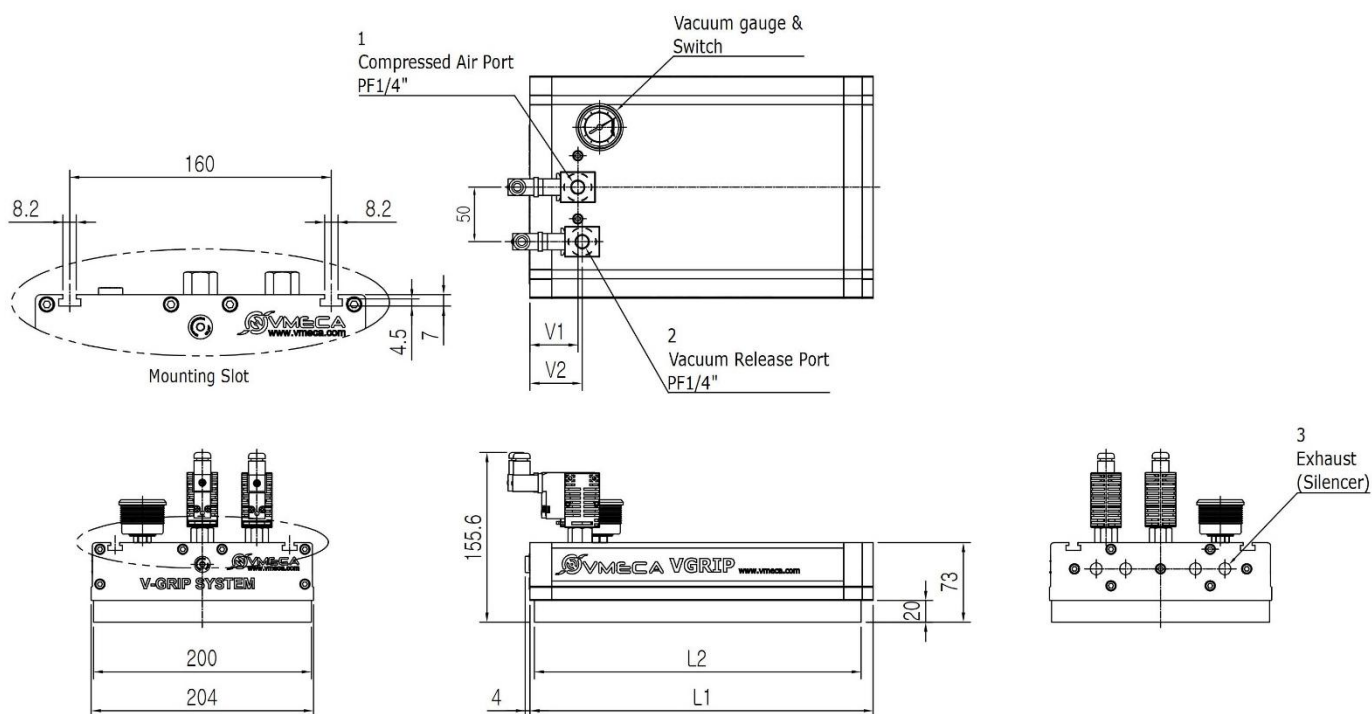


G200 Series Weight (kg) according to the length (mm)



Dimension Information

▼ G 200 ... Series(220~400)

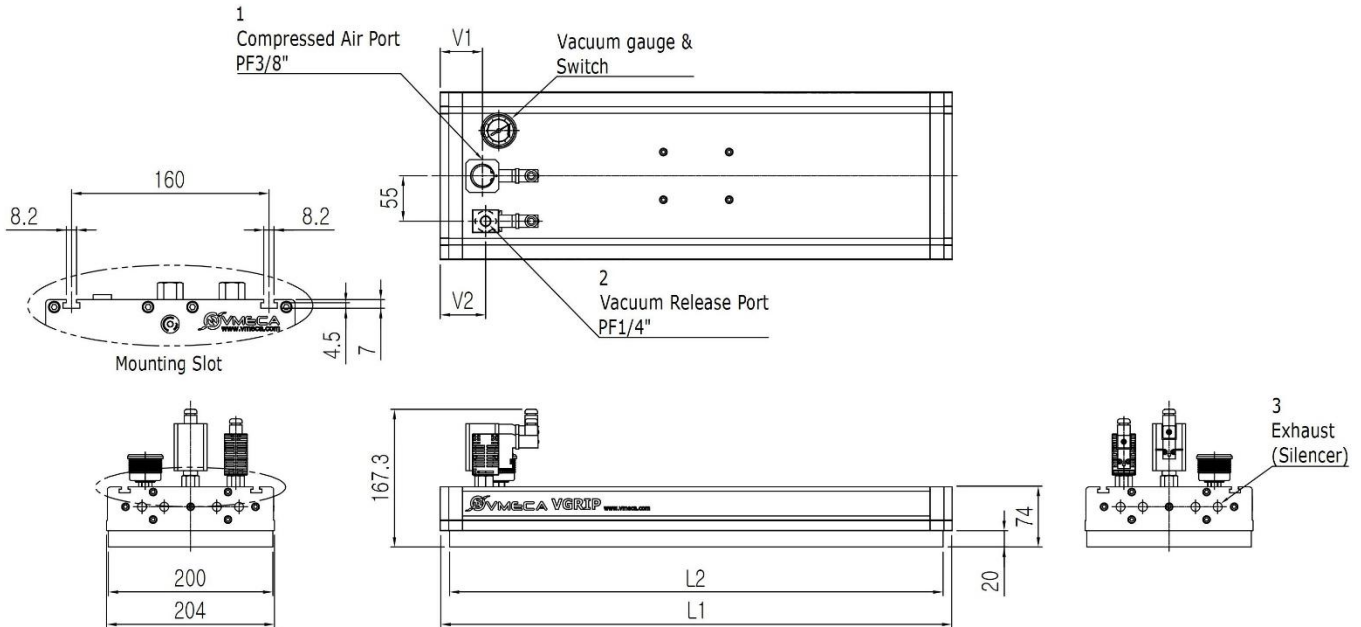


Measure unit : mm

Model	Length	Sponge Pad length	Air Control Valve		Release valve	
	L1	L2	V1	Type	V2	Type
G 200 X 250...	265	250	44	VMS14	64	VMS14
G 200 X 300...	315	300	44	VMS14	64	VMS14
G 200 X 400...	415	400	44	VMS14	48	VMS14

Dimension Information

▼ G 200 ... Series(600~1200)



Measure unit : mm

Model	Length	Sponge Pad length	Air Control Valve		Release valve	
	L1	L2	V1	Type*	V2	Type
G 200 X 600...	622	600	51	VMS14 VMS38	48	VMS14
G 200 X 800...	822	800	51	VMS14 VMS38	48	VMS14
G 200 X 1000...	1022	1000	51	VMS14 VMS38	77	VMS14
G 200 X 1200...	1222	1200	51	VMS14 VMS38	77	VMS14

* Cartridge 2~6 Model : Use VMS14 Valve
 .cartridge 7~8 Model : Use VMS38 Valve