

G 80 Series

Max. vacuum level	: - 75 kPa (-563 mmHg) - 85 kPa (-638 mmHg)
Max. flow rate	: 724 NI/min (25.4 scfm)
Supply air pressure	: 4 ~ 6bar,max 7bar (58~87psi, Max.101.5 psi)
Air consumption	: 208 NI/min (14.6 scfm)
Supply air type	: Dry compressed air
Working temperature	: - 20°C ~ 80°C (-4°F ~ 176°F)
Noise level	: 55 ~ 65 dBA

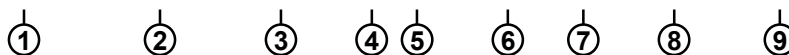


Features

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

Ordering Information

G 80 X 250 - LC2 - E S - A3 R3 DN - G



① G Series (width)

• G 80	-	84mm
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② Length

• 150	-	150mm
200	-	200mm
220	-	220mm
• 250	-	250mm
300	-	300mm

⑧ 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

③ Vacuum Cartridge Type

	Feed Pressure MPa (psi)	Max Vacuum -kPa (-mmHg)	Max Vacuum flow NI/min (scfm)
MC2	0.4 (58)	85 (638)	171.6 (1.73)
LC2	0.6 (87)	75 (563)	400 (4.03)
• L2	0.6 (87)	75 (563)	724 (7.3)

Cartridge's selection according to the length (No②)

MC2 : 150 ~ 200 (VC203)
LC2 : 220 ~ 250 (VCL302)
L2 : 300 (VCL303)

④ Check Valve

• E	-	Standard
A	-	Adjustable

⑤ Port Spacing

• S	-	Narrow
W	-	Wide

⑨ Vacuum Switch

• G	-	Dial 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)

※Mark : ① S, (P)

L Output type : PNP open collector

②VC M8-4-2 : M8-4 pin female connector
Option for 'S2' or 'S2P'

⑥ Air Control Valve

• A1	-	G1/4", N/C, AC110V
A2	-	G1/4", N/C, AC220V
• A3	-	G1/4", N/C, DC24V

⑦ Release Valve

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

※ Remark : VMS18D Valve only

G80 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 80 X 150 MC2 ES...	0.4 (58)	64 (2.24)	171.6 (6)	85 (637.6)
G 80 X 200 MC2 ES...	0.4 (58)	64 (2.24)	171.6 (6)	85 (637.6)
G 80 X 220 LC2 ES...	0.6 (87)	208 (7.28)	400 (14)	75 (563)
G 80 X 250 LC2 ES...	0.6 (87)	208 (7.28)	400 (14)	75 (563)
G 80 X 300 L2 ES...	0.6 (87)	208 (7.28)	724 (25.4)	75 (563)

G80 Series Holding Force (N) Ratio according to 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 80 X 150 MC2 ES...	48.0	52.7	113.7	290.1	1
G 80 X 200 MC2 ES...	65.7	90.2	180.1	427.5	1.38
G 80 X 220 LC2 ES...	107.8	144.3	239.9	555.4	1.48
G 80 X 250 LC2 ES...	138.4	190.1	344.2	663.0	1.62
G 80 X 300 L2 ES...	198.9	248.9	389.8	798.2	1.84

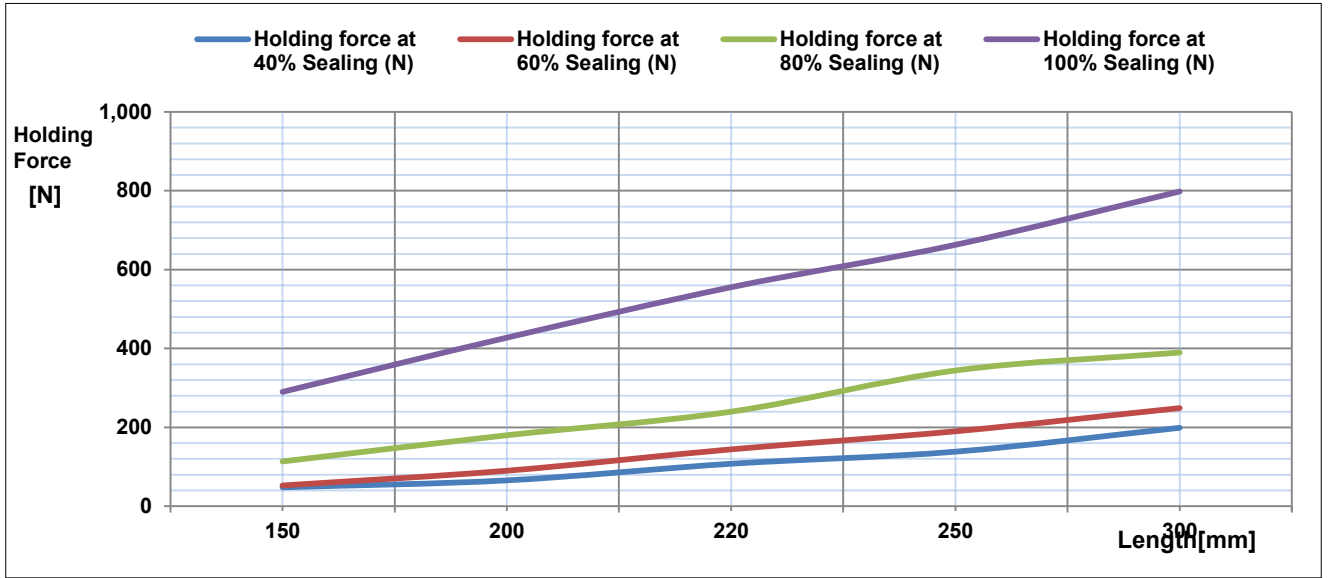
Adjustable (AW TYPE)

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 80 X 150 MC2 AW...	28.4	23.3	94.1	241.1	0.8
G 80 X 200 MC2 AW...	46.1	60.8	160.5	378.5	1.24
G 80 X 220 LC2 AW...	88.2	114.9	220.3	506.4	1.4
G 80 X 250 LC2 AW...	118.8	160.7	324.6	614.0	1.55
G 80 X 300 L2 AW...	179.3	219.5	370.2	749.2	1.8

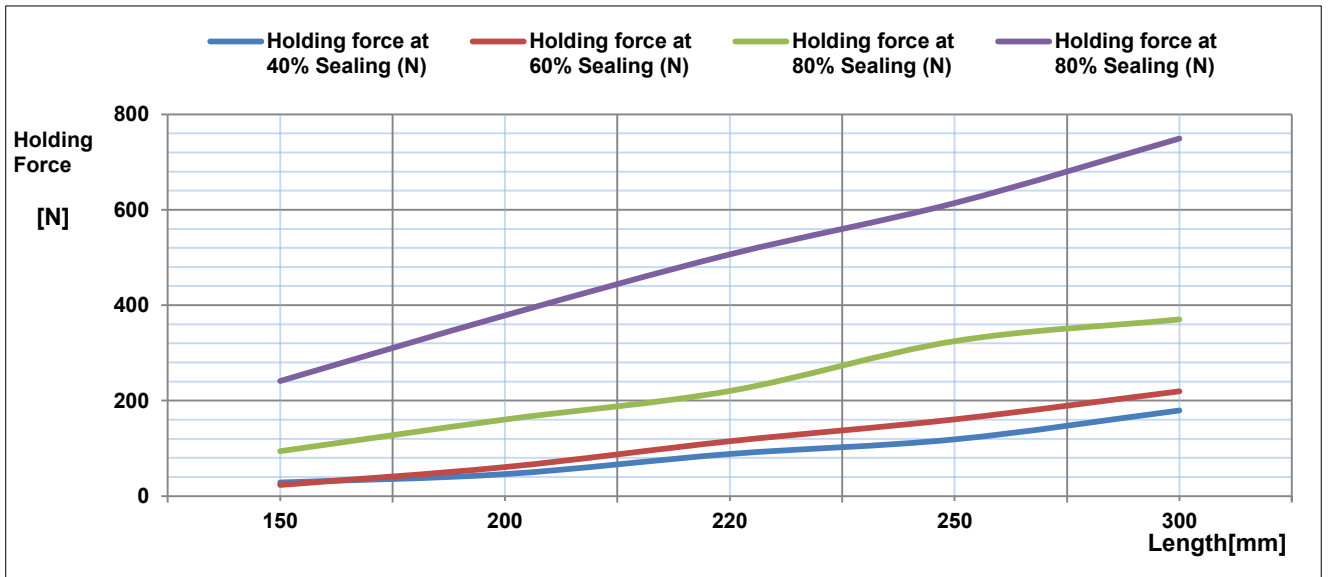
*Note : Actual Figure may be different according to the surface and porosity of product .

G80 Series Holding Force(N) according to Length(mm)

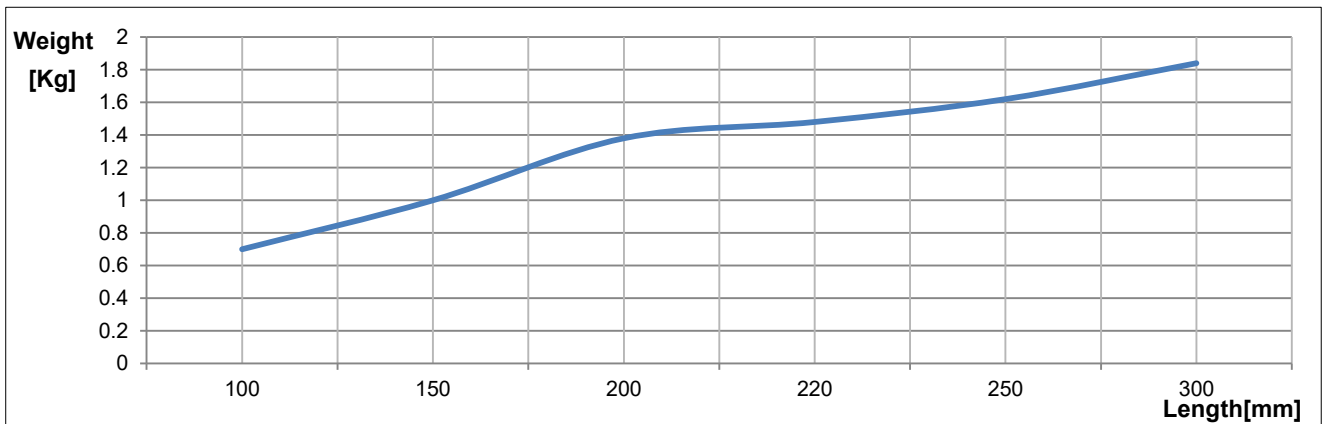
► ES Type



► AW Type

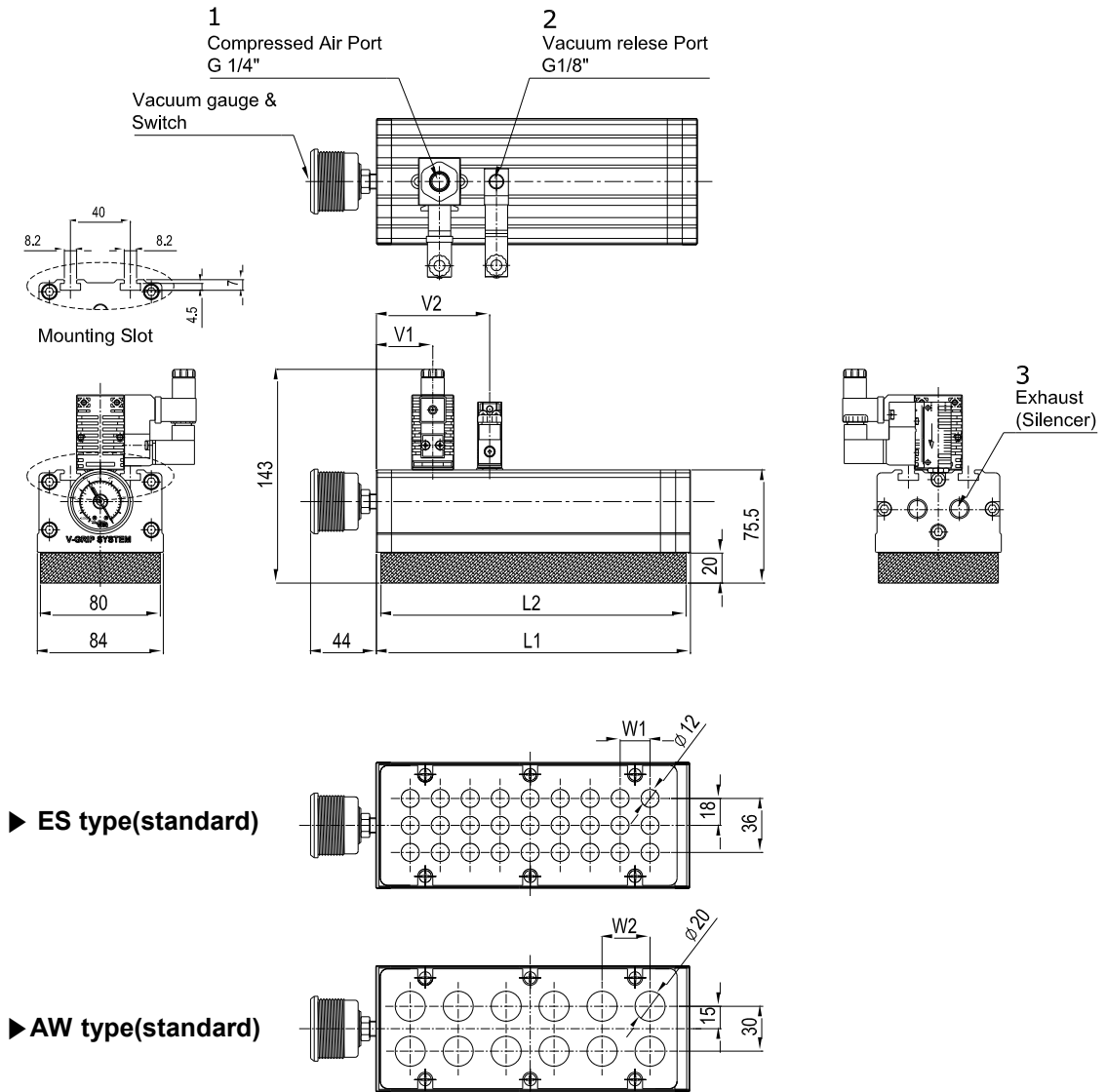


G80 Series Weight (kg) according to Length (mm)



Dimensions

▼ G 80 ... Series (150~300)



Measure unit : mm

Model	Length	Sponge Pad length	Standard vacuum port (Φ12)		Adjustable Vacuum Port (Φ20)		Air Control Valve		Release valve	
	L1	L2	Port Number	W1	Port Number	W2	V1	Type	V2	Type
G 80 X 150...	168	150	21	20	7	25	30	VMS14	136	VMS18D
G 80 X 200...	214	200	27	20	12	34	80	VMS14	121	VMS18D
G 80 X 220...	234	220	30	20	14	30	42	VMS14	83	VMS18D
G 80 X 250...	264	250	36	20	16	30	72	VMS14	113	VMS18D
G 80 X 300...	314	300	48	18	20	28	42	VMS14	80	VMS18D