

G 300 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

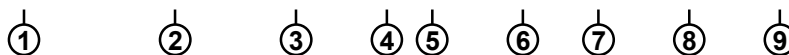


Features

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

Ordering Information

G 300 X 300 - L4 - E S - A3 R3 DN - G



① G Series (width)

G 300	-	304mm
-------	---	-------

② Length

300	-	300mm
400	-	400mm
600	-	600mm
800	-	800mm
1000	-	1000mm
1200	-	1200mm

⑦ Release Valve

R1 - N/C, AC110V

R2 - N/C, AC220V

R3 - N/C, DC24V

Valve's type according to the length (No②)
Under 600mm : VMS18D
Over 600mm : VMS14

⑧ Solenoid Terminal

DN - DIN type without lead wire

DL - DIN type with lamp without lead wire

Connector Type with
CL - lamp & 0.3 m lead wire

③ Vacuum Cartridge Type

	Feed Pressure MPa (psi)	Max Vacuum Level -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) : 300 ~ 500mm: L2 ~ L4
600 ~ 1200mm: L2 ~ L8

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'

④ Check Valve

E	- Standard
A	- Adjustable

⑤ Port Spacing

S	- Narrow
W	- Wide

⑥ Air Control Valve

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

G300 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 300 X 300 L4...	0.6 (87)	416 (14.6)	1,448 (51.1)	75 (563)
G 300 X 400 L4...	0.6 (87)	416 (14.6)	1,448 (51.1)	75 (563)
G 300 X 600 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 300 X 800 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 300 X 1000 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)
G 300 X 1200 L8...	0.6 (87)	832 (29.1)	2,896 (102.3)	75 (563)

G300 Series Holding Force (N) % 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 300 X 300 L4 ES...	409.7	867.1	1743.4	4193.4	3.8
G 300 X 400 L4 ES...	654.1	983.5	2004.9	4738.6	6.1
G 300 X 600 L8 ES...	1107.9	2591.1	3207.9	8197.7	9.6
G 300 X 800 L8 ES...	1272.7	2863.0	4587.3	13239.3	12.2
G 300 X 1000 L8 ES...	1397.9	3303.1	5000.1	13901.3	14.8
G 300 X 1200 L8 ES...	1488.2	4677.4	7250.2	15986.5	17.5

Adjustable(AW TYPE)

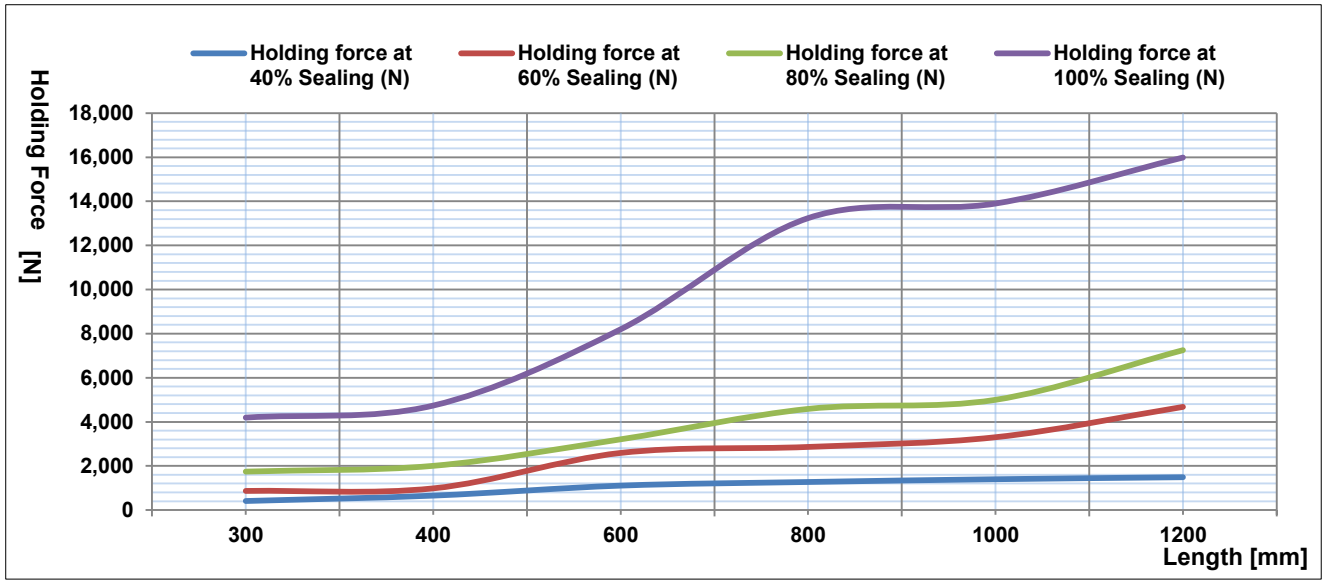
Model	Holding force at 40% Sealing (N)	Holding force at 60% Sealing (N)	Holding force at 80% Sealing (N)	Holding force at 100% Sealing (N)	Weight (Kg)*
G 300 X 300 L4 AW...	409.7	585.3	1545.7	4444.8	3.6
G 300 X 400 L4 AW...	471.2	731.6	2256.7	4800.4	5.4
G 300 X 600 L8 AW...	942.3	1843.7	3159.4	9840.8	9.1
G 300 X 800 L8 AW...	1008.3	2028.1	3980.9	14072.3	11.2
G 300 X 1000 L8 AW...	1078.9	2129.5	5573.2	14916.6	13.5
G 300 X 1200 L8 AW...	1726.2	2789.6	7022.3	15364.1	16.8

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

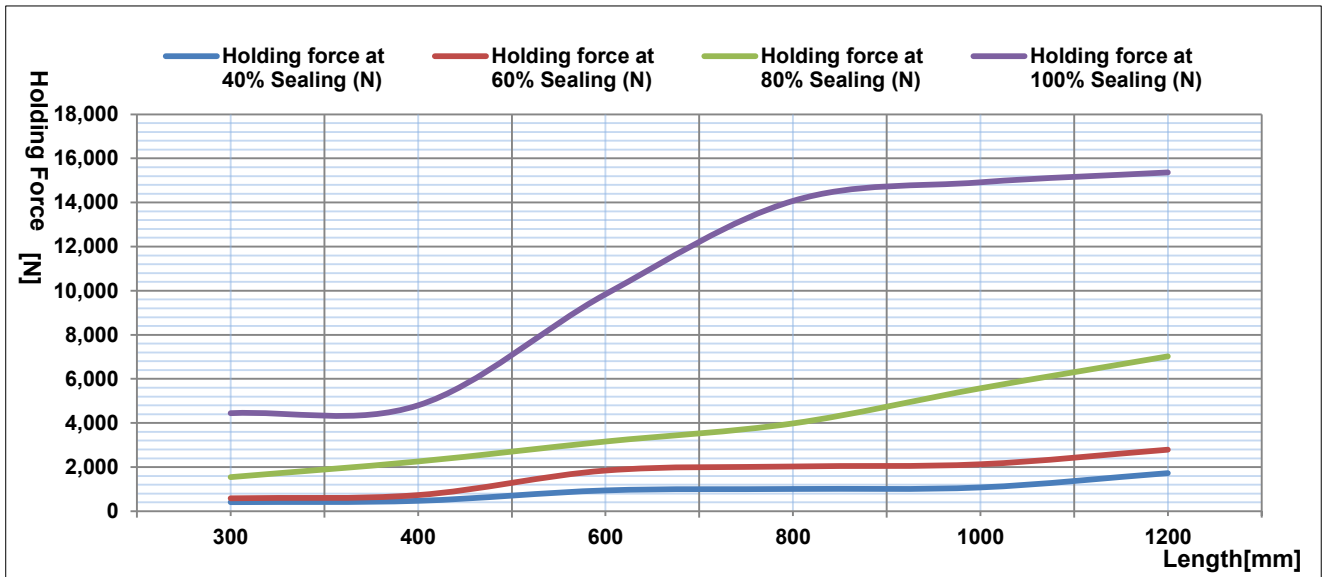
* Weight of Flange mount not included.

G300 Series Holding Force(N) according to the length(mm)

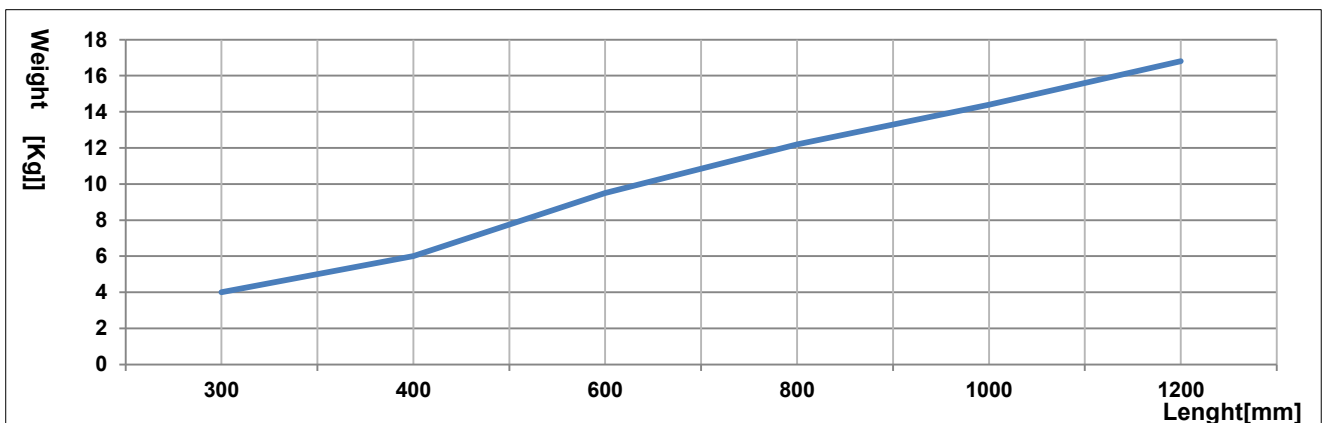
► ES Type



► AW Type



G300 Series Weight (kg) according to Length (mm)

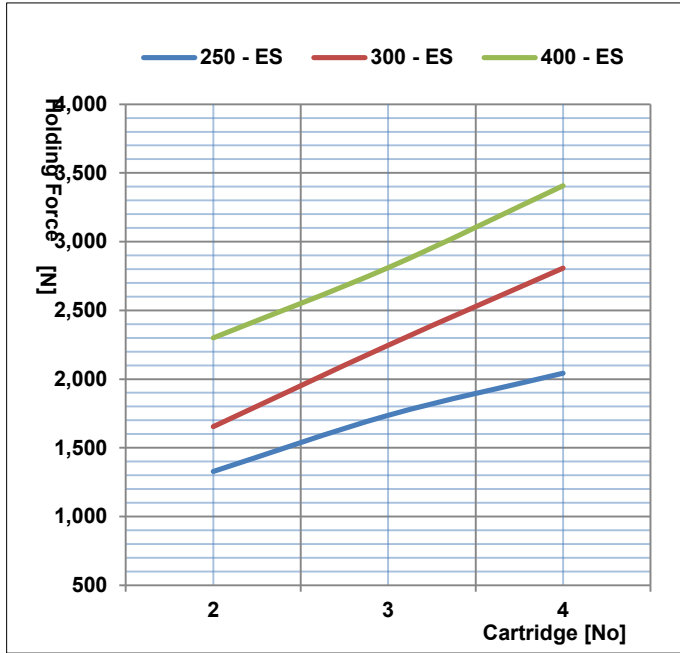


G300 Series Holding Force (N) according to the Number of Cartridge

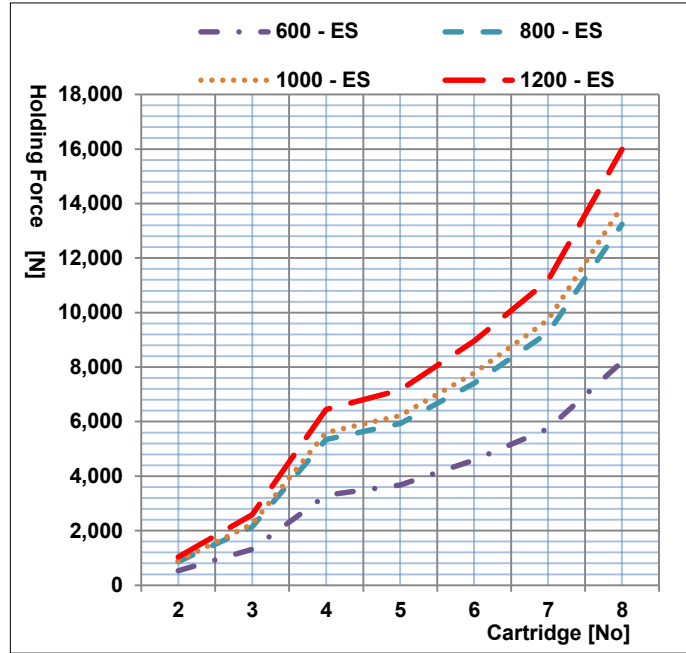
※ Models G300X400 and under : 2~4 Cartridge is possible
 Models G300X600 and over : 2~8 Cartridge is possible

► ES Type

300 / 400

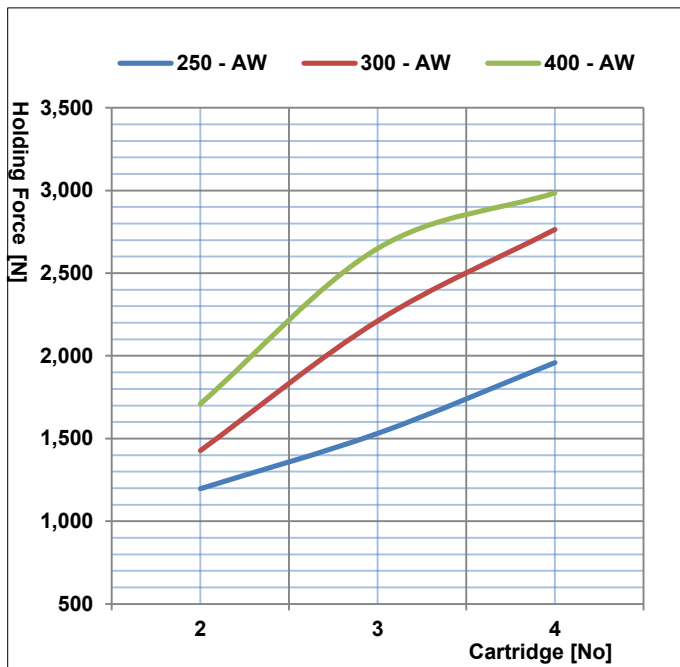


600 / 800 / 1000 / 1200

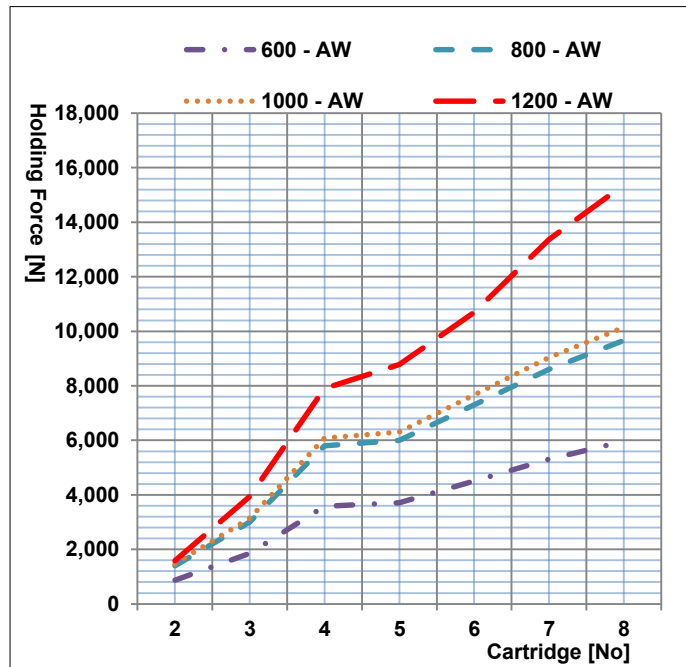


► AW Type

300 / 400

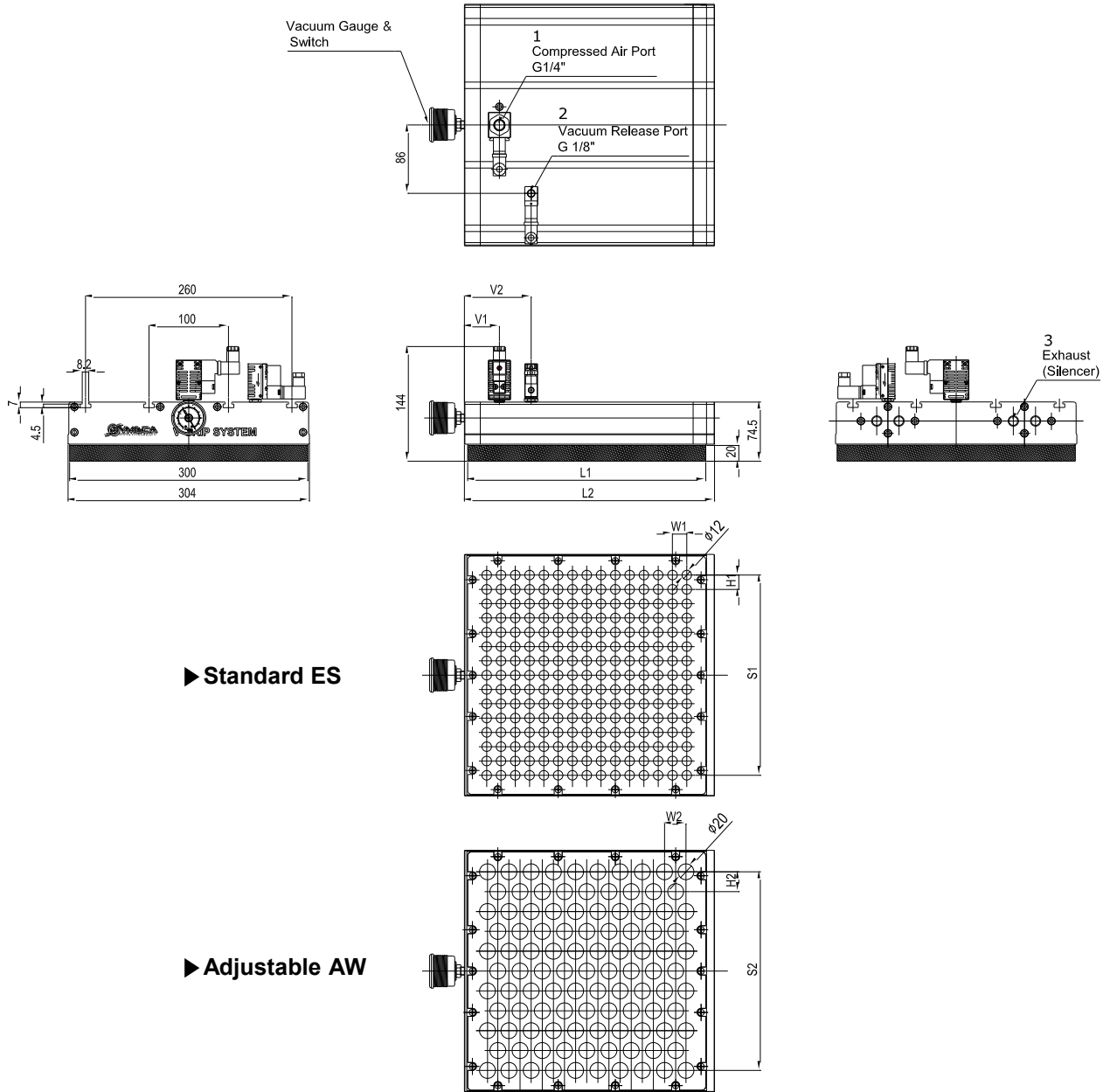


600 / 800 / 1000 / 1200



Dimensions

▼ G 300 ... Series(300~400)



► Standard ES

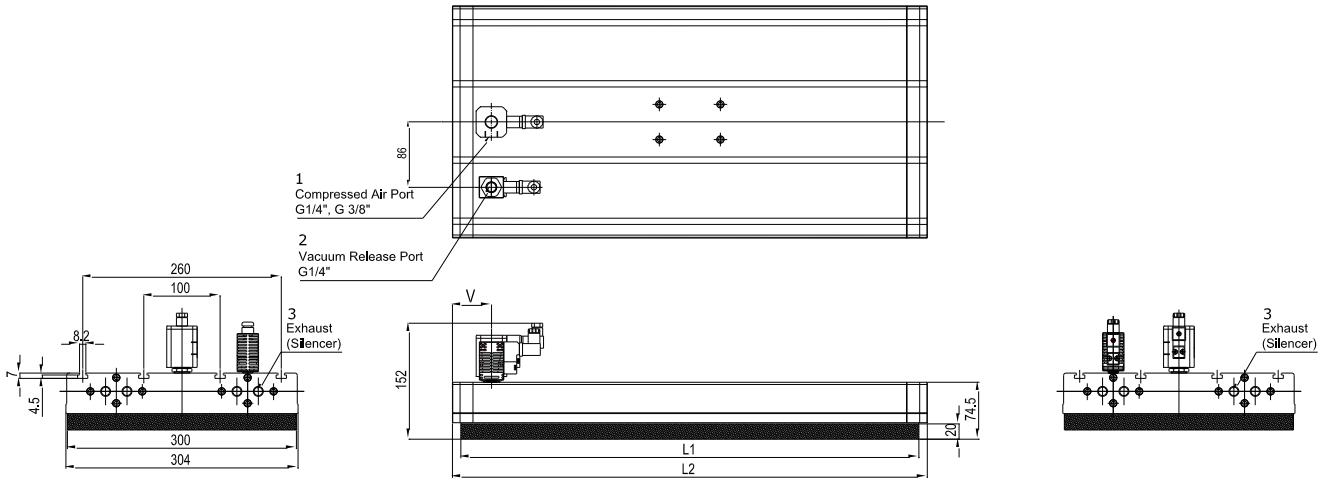
► Adjustable AW

Measure Unit : mm

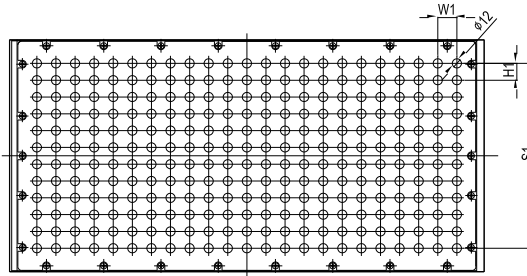
Model	Full Length	Sponge Pad Length	Standard Vacuum Port(Φ12)			Adjustable Vacuum Port(Φ20)				Air Control Valve		Release Valve		
	L1		L2	No.	W1	H1	S1	No.	W2	H2	S2	V1	Type	V2
G 300 X 300...	315	300	225	18	18	252	105	14	25	250	44	VMS14	84	VMS18D
G 300 X 400...	415	400	180	25	22	242	108	20	22	242	44	VMS14	84	VMS18D

Dimensions

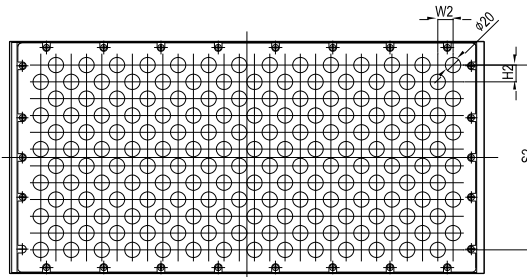
▼ G 300 ... Series(600~1200)



► Standard ES



► Adjustable AW



Measure Unit : mm

Model	Full Length	Sponge Pad Length	Standard Vacuum Port(Φ12)			Adjustable Vacuum port (Φ20)				Air Control Valve		Release Valve		
	L1	L2	No.	W1	H1	S1	No.	W2	H2	S2	V1*	Type**	V2	Type
G 300 X 600...	622	600	276	25	22	242	168	20	22	242	51	VMS14 VMS38	91	VMS14
G 300 X 800...	822	800	372	25	22	242	228	20	22	242	51	VMS14 VMS38	91	VMS14
G 300 X 1000...	1022	1000	468	25	22	242	288	20	22	242	51	VMS14 VMS38	91	VMS14
G 300 X 1200...	1222	1200	564	25	22	242	348	20	22	242	51	VMS14 VMS38	91	VMS14

* Cartridge 2~4 :70mm
Cartridge 5~8 : 77mm

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