

AGS Series

Vacuum Generator

AIRBEST



Features

- ◇ Fast suction, high vacuum degree, low air consumption
- ◇ The workpiece can be of airtight or porous material
- ◇ Dirt and dust resistance
- ◇ Small size, light weight, simple structure
- ◇ External silencer is optional

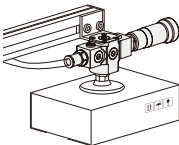
Advantages

- ◇ High efficient and energy-saving vacuum generator, it can reach the max. vacuum level quickly, effectively compensate air leakage
- ◇ Suitable vacuum generators can be selected according to different working conditions
- ◇ Long maintenance time, simple cleaning, no need tools
- ◇ Can be used in occasions with limited space and weight, easy to install
- ◇ Reduce product noise most



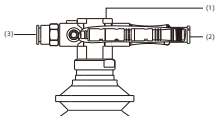
Applications

- ◇ The multistage vacuum generator is suitable for handling cartons, packaging materials and porous materials
- ◇ Applicable to the working conditions that require high vacuum flow, fast evacuation and low air consumption



Structure

- ◇ (1) Housing
- ◇ (2) Vacuum cartridge
- ◇ (3) Air supply port



How to order

AGS - N - S08-2 - V - S

① ② ③ ④ ⑤

Series	Housing type	Specification	④ Non-return valve	⑤ Silencer
AGS	C (MICRO)	S02 - 2	Nil - Without non-return valve	Nil - Without silencer
		X2.5 - 2		
		T05 - 2		
	N (MINI)	S08 - 2 S08 - 3	Nil - Without non-return valve	Nil - Without silencer
		X10 - 2 X10 - 3	V - With non-return valve	S - With silencer ZSCB
		P12 - 2 P12 - 3		
		D16 - 2		
	D (MIDI)	S32 - 2 S32 - 3	Nil - Without non-return valve	Nil - Without silencer
		X40 - 2 X40 - 3	V - With non-return valve	S - With silencer ZSC16

Selection

Model/Non-return valve selection		V - With non-return valve	
Nil - Without non-return valve			
AGS-C-S02-2		-	
AGS-C-X2.5-2		-	
AGS-C-T05-2		-	
AGS-N-S08-2	AGS-N-S08-2-S	AGS-N-S08-2-V	AGS-N-S08-2-V-S
AGS-N-S08-3	AGS-N-S08-3-S	AGS-N-S08-3-V	AGS-N-S08-3-V-S
AGS-N-X10-2	AGS-N-X10-2-S	AGS-N-X10-2-V	AGS-N-X10-2-V-S
AGS-N-X10-3	AGS-N-X10-3-S	AGS-N-X10-3-V	AGS-N-X10-3-V-S
AGS-N-P12-2	AGS-N-P12-2-S	AGS-N-P12-2-V	AGS-N-P12-2-V-S
AGS-N-P12-3	AGS-N-P12-3-S	AGS-N-P12-3-V	AGS-N-P12-3-V-S
AGS-N-D16-2	AGS-N-D16-2-S	-	-
AGS-D-S32-2	AGS-D-S32-2-S	AGS-D-S32-2-V	AGS-D-S32-2-V-S
AGS-D-S32-3	AGS-D-S32-3-S	AGS-D-S32-3-V	AGS-D-S32-3-V-S
AGS-D-X40-2	AGS-D-X40-2-S	AGS-D-X40-2-V	AGS-D-X40-2-V-S
AGS-D-X40-3	AGS-D-X40-3-S	AGS-D-X40-3-V	AGS-D-X40-3-V-S

○ Note: The mounting accessories are ordered separately except the default specification

AGS-C Series

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Features

- ◇ Small size, simple structure, easy to install
- ◇ Vacuum port G1/8 female thread can be directly connected to the suction cup
- ◇ A variety of vacuum cartridges can be freely selected, suitable for different applications
- ◇ Multi-angle installation position and installation accessories are available for convenient installation



Technical parameters

Model	Air supply pressure range bar	Max vacuum level kPa	Max vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g	Recommended hose dia. (mm)	
							Air supply port	Vacuum port
AGS-C-S02-2	4.0~6.0	75	16.2	8.0	70	20	φ4	G1/8
AGS-C-X2.5-2	4.5~6.0	90	17.2	10.5	72	20	φ4	G1/8
AGS-C-T05-2	4.0~6.0	84	19.5	21.5	78	20	φ4	G1/8

Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	Max. vacuum level -kPa
AGS-C-S02-2	4.0	6.0	14.2	8.1	5.2	3.8	2.2	-	-	-	55
	5.0	7.0	15.7	10.0	5.5	4.5	3.4	2.2	-	-	70
	6.0	8.0	16.2	12.2	6.3	4.6	3.9	3.0	2.0	-	75
AGS-C-X2.5-2	4.5	9.0	14.9	9.9	4.8	4.1	3.3	2.6	1.7	-	85
	5.0	9.5	15.6	11.6	6.6	4.0	3.3	2.6	1.7	-	90
	6.0	10.0	17.2	14.2	9.3	4.5	3.3	2.3	1.4	-	89
AGS-C-T05-2	4.0	16.0	19.5	17.7	13.5	9.0	6.1	5.0	3.3	1.8	84
	6.0	21.5	18.7	17.4	15.1	13.1	9.7	6.0	2.7	1.8	75

Evacuation time(s/L) to reach different vacuum levels(-kPa)

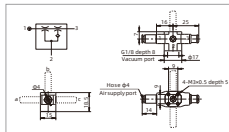
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGS-C-S02-2	4.0	6.0	0.4	1.4	2.8	5.1	-	-	-	-	55
	5.0	7.0	0.3	1.2	2.5	4.1	6.6	11.1	-	-	70
	6.0	8.0	0.3	1.1	2.4	4.1	6.2	9.0	14.3	-	75
AGS-C-X2.5-2	4.5	9.0	0.4	1.3	3.2	4.6	6.5	9.8	15.3	25.70	85
	5.0	9.5	0.3	0.9	2.4	4.3	6.7	9.5	14.1	22.03	90
	6.0	10.0	0.2	0.7	1.7	3.7	5.9	9.5	14.5	22.41	89
AGS-C-T05-2	4.0	16.0	0.2	0.5	1.1	2.2	3.4	5.2	9.0	17.36	84
	6.0	21.5	0.2	0.5	0.9	1.5	2.6	4.7	7.7	16.09	75

AGS-C Series

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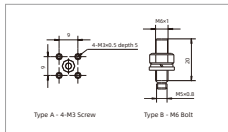
Dimensions(mm)



AGS-C

○ Note: Type B is optional for above drawing a/b/c. Default mounting accessory is type A for AGS-C series

Mounting accessory(mm)



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABP/ABX

ABH/ABH

AMC

AM/AMH

AB/AL

ABD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AGS-N Series

Vacuum Generator

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Features

- ◇ Small size, simple structure, easy to install
- ◇ Vacuum port G3/8 female thread can be directly connected to the suction cup
- ◇ A variety of vacuum cartridges can be freely selected, suitable for different applications
- ◇ Multi-angle installation position and installation accessories are available for convenient installation
- ◇ Exhaust port can be connected with external silencer



Technical parameters

Model	Air supply pressure range bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g	Recommended hose dia. (mm)	
							Air supply port	Vacuum port
AGS-N-S08-2	4.0~6.0	75	46	27	62	23	φ6	G3/8
AGS-N-S08-3	4.0~6.0	75	68	27	68	37	φ6	G3/8
AGS-N-X10-2	4.5~6.0	93	44	34	78	23	φ6	G3/8
AGS-N-X10-3	4.5~6.0	93	68	34	74	37	φ6	G3/8
AGS-N-P12-2	1.7~4.0	90	42	33	68	23	φ6	G3/8
AGS-N-P12-3	1.7~4.0	90	68	33	71	37	φ6	G3/8
AGS-N-D16-2	6.0	72	40	46	77	23	φ6	G3/8

Vacuum flow(NL/min) at different vacuum levels(-kPa)

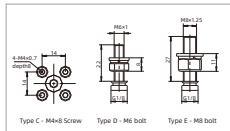
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGS-N-S08-2	4.0	19.0	44.0	34.0	22.6	14.4	10.8	6.4	-	-	-	60
	5.0	23.0	46.0	40.0	28.5	17.3	12.8	9.5	6.1	-	-	70
	6.0	27.0	46.0	42.0	32.6	22.6	12.0	9.8	8.3	5.9	-	75
AGS-N-S08-3	4.0	19.0	60.0	38.0	24.0	14.9	11.5	6.8	-	-	-	60
	5.0	23.0	66.0	40.0	32.0	19.1	13.3	9.9	6.5	-	-	70
	6.0	27.0	68.0	42.0	36.0	24.0	13.0	10.2	8.4	6.3	-	75
AGS-N-X10-2	4.5	27.5	44.0	40.0	28.4	18.8	10.7	9.4	6.9	4.6	2.3	90
	5.0	30.0	44.0	40.0	30.6	22.2	13.5	8.9	6.6	4.5	2.0	93
	6.0	34.5	42.0	40.0	33.0	26.9	18.7	9.4	6.2	4.6	1.4	91
AGS-N-X10-3	4.5	27.5	64.0	40.0	32.0	18.0	11.3	9.7	7.3	4.9	2.7	90
	5.0	30.0	66.0	40.0	34.0	24.0	14.3	9.3	6.9	4.8	2.4	93
	6.0	34.5	68.0	44.0	34.0	30.0	20.0	10.5	6.5	4.9	1.7	91
AGS-N-P12-2	1.7	19.0	36.0	19.0	10.5	6.6	2.8	-	-	-	-	43
	2.2	22.5	38.0	28.0	15.5	11.0	7.7	3.8	-	-	-	58
	3.14	29.0	42.0	36.0	25.6	14.9	10.4	8.9	6.6	4.2	1.9	90
AGS-N-P12-3	4.0	35.0	42.0	38.0	30.0	23.0	15.0	8.0	5.9	4.3	1.1	88
	1.7	19.0	46.0	19.8	10.5	7.0	3.0	-	-	-	-	43
	2.2	22.5	52.0	30.0	12.0	8.2	5.8	2.7	-	-	-	58
AGS-N-D16-2	3.14	29.0	62.0	38.0	28.0	10.0	7.7	6.7	4.8	2.9	1.4	90
	4.0	35.0	68.0	40.0	34.0	24.0	11.4	5.7	4.2	3.0	1.2	88
	6.0	46.0	40.0	38.0	30.5	26.7	22.0	17.0	12.0	3.5	-	72

AGS-N Series

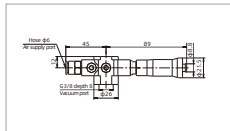
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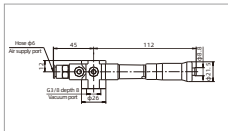
Mounting accessory(mm)



Silencer(mm)



MINI type 2 stages



MINI type 3 stages

Housing	Silencer
MINI type 2 stages	Z5CB
MINI type 3 stages	Z5CB

AGS-D Series

Vacuum Generator

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Features

- Small size, simple structure, easy to install
- Vacuum port G1/2 female thread can be directly connected to the suction cup
- A variety of vacuum cartridges can be freely selected, suitable for different applications
- Multi-angle installation position and installation accessories are available for convenient installation
- Suitable for occasions requiring large vacuum flow
- Exhaust port can be connected with external silencer



Technical parameters

Model	Air supply pressure range bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g	Recommended hose dia.(mm)	
							Air supply port	Vacuum port
AGS-D-532-2	4.0~6.0	75	178.0	130.0	82	143	φ8	G1/2
AGS-D-532-3	4.0~6.0	75	360.0	130.0	82	228	φ8	G1/2
AGS-D-X40-2	4.5~6.0	95	170.0	135.0	89	143	φ8	G1/2
AGS-D-X40-3	4.5~6.0	95	372.0	135.0	89	228	φ8	G1/2

Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	90	vacuum	Max. level -kPa
AGS-D-532-2	4.0	120	172	136	92	60	44	26.2	10.5	-	-	-		60
	5.0	125	180	156	116	72	48	36.0	26.9	12.8	-	-		70
	6.0	130	178	164	134	94	50	38.0	32.0	18.3	-	-		75
AGS-D-532-3	4.0	120	350	152	110	64	50	26.7	11.5	-	-	-		60
	5.0	125	370	185	125	90	50	36.2	27.3	13.9	-	-		70
	6.0	130	390	210	135	100	65	35.1	30.3	18.3	-	-		75
AGS-D-X40-2	4.5	120	170	136	100	58	40	36.0	25.0	17.8	11.7	3.1		91
	5.0	125	170	140	106	74	46	34.0	24.0	17.6	10.8	2.9		95
	6.0	135	162	142	116	92	68	40.0	22.5	17.8	9.4	2.3		94
AGS-D-X40-3	4.5	120	350	175	120	80	44	32.7	24.5	17.8	11.6	3.2		91
	5.0	125	360	190	125	95	65	36.0	26.0	17.6	10.8	2.8		95
	6.0	135	380	220	130	105	90	54.0	26.0	17.8	9.3	2.2		94

Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	vacuum	Max. level -kPa
AGS-D-532-2	4.0	120	0.04	0.08	0.16	0.27	0.47	0.98	-		60
	5.0	125	0.04	0.08	0.14	0.25	0.39	0.63	1.17		70
	6.0	130	0.04	0.08	0.13	0.21	0.36	0.55	0.86		75
AGS-D-532-3	4.0	120	0.03	0.08	0.15	0.26	0.44	0.94	-		60
	5.0	125	0.03	0.07	0.13	0.23	0.38	0.61	1.07		70
	6.0	130	0.03	0.05	0.10	0.18	0.36	0.56	0.87		75

