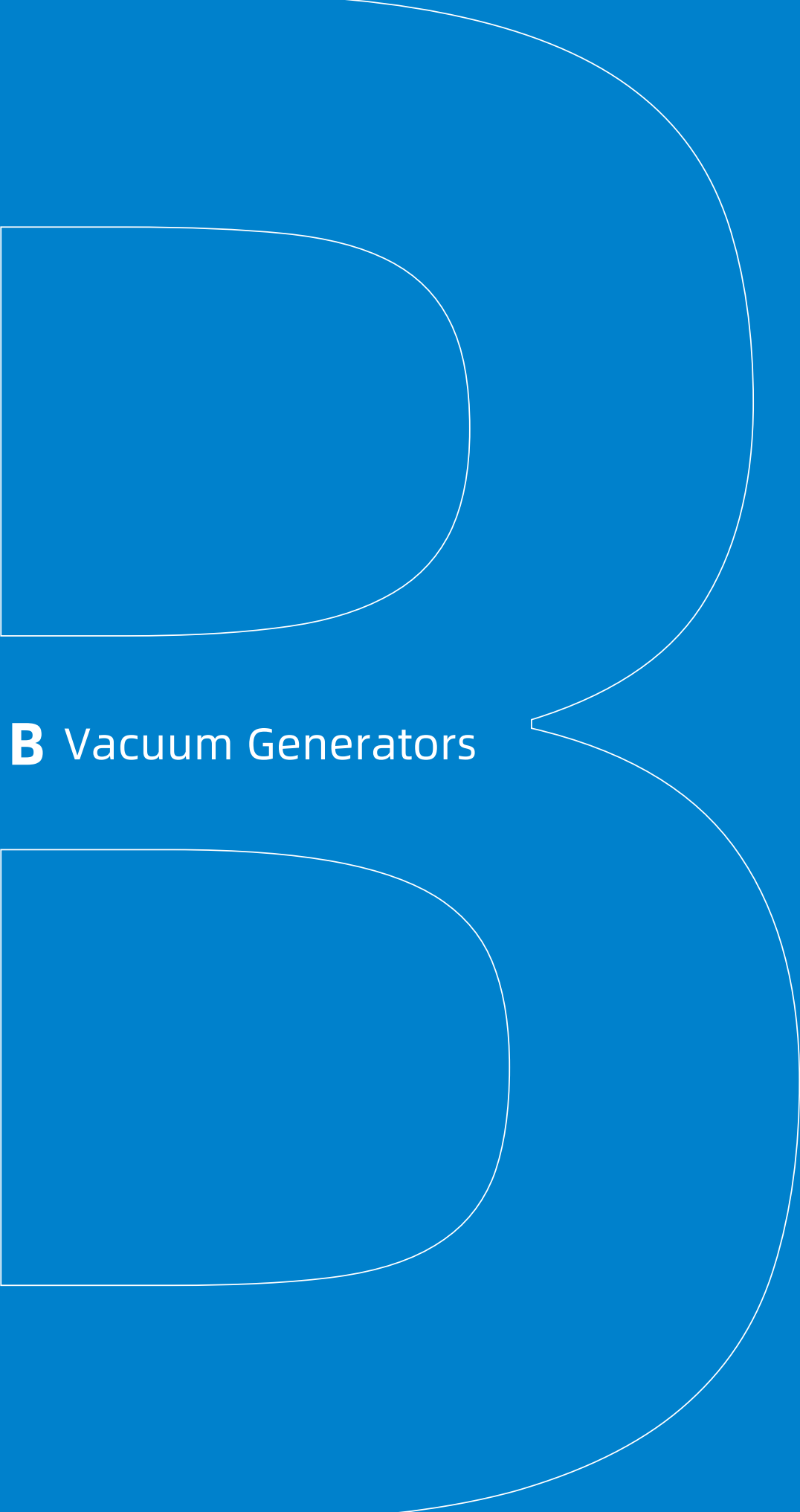




B Vacuum Generators

Vacuum Generators Series

Products overview



Vacuum Generators

25 AZK Series

Integrated Vacuum Generator

- ◇ Max.vacuum level: -91kPa
- ◇ Max.vacuum flow: 68NL/min



ELECTRONICS PACKAGING PLASTIC



54 AGB Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -90kPa
- ◇ Max.vacuum flow: 19.5NL/min



ELECTRONICS PACKAGING METAL SHEET



32 AZQ Series

Mini Integrated Vacuum Generator

- ◇ Max.vacuum level: -91kPa
- ◇ Max.vacuum flow: 35NL/min



ELECTRONICS PACKAGING PLASTIC



56 AGP Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -93kPa
- ◇ Max.vacuum flow: 68NL/min



ELECTRONICS PACKAGING METAL SHEET



36 AZX Series

Large flow Integrated Vacuum Generator

- ◇ Max.vacuum level: -85kPa
- ◇ Max.vacuum flow: 220NL/min



ELECTRONICS PACKAGING PLASTIC



58 AGX Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -95kPa
- ◇ Max.vacuum flow: 390NL/min



ELECTRONICS PACKAGING METAL SHEET



41 AZD Series

Energy-saving Vacuum Generator

- ◇ Max.vacuum level: -83kPa
- ◇ Max.vacuum flow: 90NL/min



UNIVERSAL



60 AGE Series

Mechanical Energy-saving Vacuum Generator

- ◇ Max.vacuum level: -92kPa
- ◇ Max.vacuum flow: 41NL/min



GLASS METAL SHEET



44 AGS Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -95kPa
- ◇ Max.vacuum flow: 372NL/min



ELECTRONICS PACKAGING METAL SHEET



63 ABM/ABX Series

Mini Vacuum Generator

- ◇ Max.vacuum level: -92kPa
- ◇ Max.vacuum flow: 220NL/min



METAL SHEET PACKAGING PLASTIC



Vacuum Generators Series

Products overview



Vacuum Generators

69 ABM/ABX Series

Mini Combined Type Vacuum Generator

- ◇ Max.vacuum level: -92kPa
- ◇ Max.vacuum flow: 32NL/min



98 AZW Series

Large Flow Integrated Vacuum Generator

- ◇ Max.vacuum level: -95kPa
- ◇ Max.vacuum flow: 140NL/min



74 AMC Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -95kPa
- ◇ Max.vacuum flow: 1,650NL/min



RoHS

101 AZR Series

Mini Vacuum Generator With Fast Blow-off

- ◇ Max.vacuum level: -88kPa
- ◇ Max.vacuum flow: 12.5NL/min



RoHS

80 AM/AL/AH Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -100.8kPa
- ◇ Max.vacuum flow: 1,230NL/min



RoHS

106 ABT Series

Mini Vacuum Generator

- ◇ Max.vacuum level: -92kPa
- ◇ Max.vacuum flow: 46NL/min



88 AM/AL Series

Combined Type Multistage Vacuum Generator

- ◇ Max.vacuum level: -92kPa
- ◇ Max.vacuum flow: 3,970NL/min



RoHS

109 ABP Series

Vacuum Generator with Fast Blow-off

- ◇ Max.vacuum level: -81kPa
- ◇ Max.vacuum flow: 38NL/min



94 AMD Series

Large Flow Vacuum Generator

- ◇ Max.vacuum level: -95kPa
- ◇ Max.vacuum flow: 1,410NL/min



111 ABQ Series

Vacuum Generator with Fast Blow-off

- ◇ Max.vacuum level: -81kPa
- ◇ Max.vacuum flow: 38NL/min



Vacuum Generators Series

Products overview



Vacuum Generators

113 AEVC Series

Vacuum Generator with Fast Blow-off

- ◇ Max.vacuum level: -85kPa
- ◇ Max.vacuum flow: 35NL/min



129 AZU Series

Basic Vacuum Generator

- ◇ Max.vacuum level: -85kPa
- ◇ Max.vacuum flow: 21NL/min



RoHS

116 AZL Series

Multistage Vacuum Generator

- ◇ Max.vacuum level: -84kPa
- ◇ Max.vacuum flow: 200NL/min



RoHS

132 ACV Series

Basic Vacuum Generator

- ◇ Max.vacuum level: -90kPa
- ◇ Max.vacuum flow: 350NL/min



RoHS

120 ALH Series

Basic Vacuum Generator

- ◇ Max.vacuum level: -90kPa
- ◇ Max.vacuum flow: 9.5NL/min



137 ASBP Series

Basic Vacuum Generator

- ◇ Max.vacuum level: -85kPa
- ◇ Max.vacuum flow: 72NL/min



RoHS

123 AZH Series

Basic Vacuum Generator

- ◇ Max.vacuum level: -88kPa
- ◇ Max.vacuum flow: 85NL/min



RoHS

140 ALS Series

Linear Single Stage Vacuum Generator

- ◇ Max.vacuum level: -85kPa
- ◇ Max.vacuum flow: 14.4NL/min



Vacuum Generators Series

Products overview



Vacuum Generators

143 ACP Series

Conveying Vacuum Generator

- ◇ Max.vacuum level: -84kPa
- ◇ Max.vacuum flow: 3,390NL/min



BIOPHARMING



FOOD



PACKAGING



149 ACPS Series

Conveying Vacuum Generator

- ◇ Max.vacuum level: -12kPa
- ◇ Max.vacuum flow: 8,640NL/min



BIOPHARMING



FOOD



PACKAGING



146 ACPF Series

Conveying Vacuum Generator

- ◇ Max.vacuum level: -35kPa
- ◇ Max.vacuum flow: 5,610NL/min



BIOPHARMING



FOOD



PACKAGING



151 APB Series

High Pressure Vacuum Blower

- ◇ Max.vacuum level: -48kPa
- ◇ Max.vacuum flow: 1,110m³/h



PACKAGING



WOOD



COMPOSITE MATERIAL



AZK Series

Integrated Vacuum Generator

AIRBEST



ELECTRONICS



PACKAGING



PLASTIC

RoHS

Features

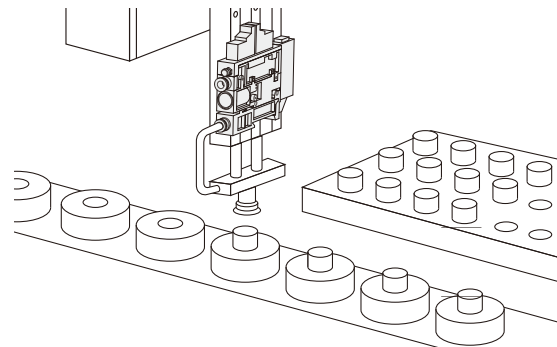
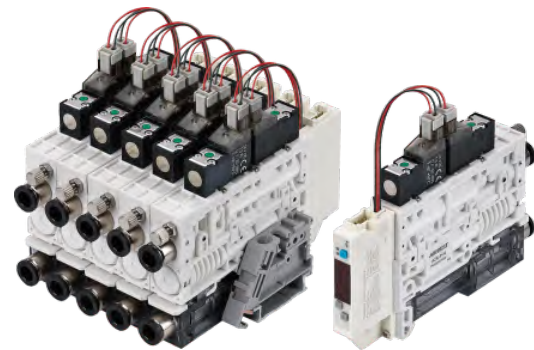
- ◇ Energy-efficient nozzle design
- ◇ With energy-saving control device
- ◇ With normally open vacuum supply valve
- ◇ Small size and light weight. The volume is 85cm³
- ◇ Transparent filter housing
- ◇ Single body with L bracket, DIN guide rail installation for integrated body, centralized air supply

Advantages

- ◇ Vacuum flow increased by 50% and air consumption decreased by 30%
- ◇ Air consumption reduced by 90%(compared with non-energy saving type)
- ◇ Power outage or power off does not affect vacuum producing and prevent the workpiece from falling
- ◇ The device is compact and can be installed directly in the handling system
- ◇ The cleanliness is visible and easy to replace
- ◇ Simple installation, can be installed directly on the distribution box

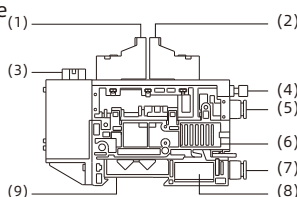
Applications

- ◇ Integrated vacuum generator for handling airtight and slightly porous workpieces
- ◇ Vacuum producing and monitoring in automation systems
- ◇ For robot handling applications and linear axes
- ◇ Pick and place applications with very short time
- ◇ Used for systems that require high dynamic handling of workpieces and with limited space
- ◇ Usually used for handling small parts in fully automated systems



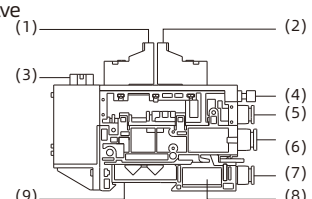
Structure - With vacuum source type (Vacuum generator type)

- ◇ (1) Vacuum supply valve
- ◇ (2) Vacuum release valve
- ◇ (3) Vacuum pressure switch
- ◇ (4) Vacuum release adjusting valve
- ◇ (5) Air supply port
- ◇ (6) Silencer
- ◇ (7) Vacuum port
- ◇ (8) Vacuum filter
- ◇ (9) DIN guide rail installation



Structure - Without vacuum source type (Vacuum pump type)

- ◇ (1) Vacuum supply valve
- ◇ (2) Vacuum release valve
- ◇ (3) Vacuum pressure switch
- ◇ (4) Vacuum release adjusting valve
- ◇ (5) Air supply port
- ◇ (6) Vacuum pump connector
- ◇ (7) Vacuum port
- ◇ (8) Vacuum filter
- ◇ (9) DIN guide rail installation



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AZK Series

Integrated Vacuum Generator



How to order

AZK - S × 8 - NO - N - D
 ① ② ③ ④ ⑤ ⑥

① Series	② Specification	③ Stack	④ Control valve specification
AZK	S - Low vacuum level type	Nil - Single body	Nil - Supply valve NC + release valve NC
	X - High vacuum level type	2	NO - Supply valve NO + release valve NC
	P - Low air supply pressure and high vacuum level type	3	(lead wire length 300mm, power supply DC24V)
	L - Large flow type		
	B - Vacuum pump type	8	
⑤ Vacuum switch		⑥ Bracket	
Nil - Without vacuum switch		Nil - Single air supply, without bracket	
N - NPN, without energy saving function		F - Single air supply, with bracket(single body)	
P - PNP, without energy saving function		D - Single air supply, guide rail installation(integrated)	
NE - NPN, with energy saving function		DP - Centralized air supply, guide rail installation(integrated)	
PE - PNP, with energy saving function			

- ◇ Note: 1. Only NE/PE are with check valve for energy saving, others are without check valve
 2. Energy saving function is not optional for L-large flow type and B-Vacuum pump type
 3. Centralized air supply is not optional for B-Vacuum pump type

Technical parameters

Model	Air supply pressure range bar	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Max. break flow rate NL/min	Air consumption NL/min	Noise level dB(A)	Without pressure switch	Weight g With pressure switch	Recommended hose dia.(mm)		
										Air supply port P	Vacuum pump connector	Vacuum port V
AZK-S	3.0~6.0	6.0	74	44	60	26	65~70	88.5	102.5	φ6	-	φ6
AZK-X	3.0~6.0	5.0	91	41	54	29	65~70	88.5	102.5	φ6	-	φ6
AZK-P	3.0~6.0	3.7	88	40	46	32	65~70	88.5	102.5	φ6	-	φ6
AZK-L	3.0~6.0	5.0	90	68	48	85	74~80	102	114	φ6	-	φ8
AZK-B	3.0~6.0	-	-	35	-	-	-	101.5	113.5	φ4	φ6	φ6

- ◇ Note: 35NL/min is the max. allowed passing flow of AZK-B, AZK-L external silencer

AZK Series

Integrated Vacuum Generator

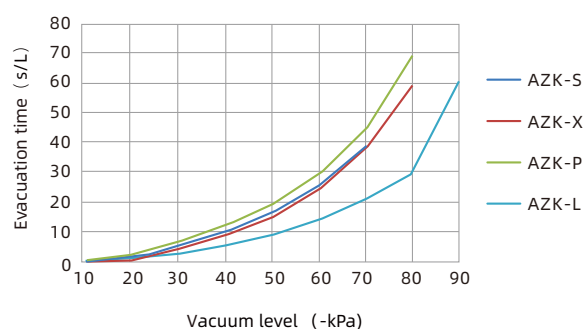
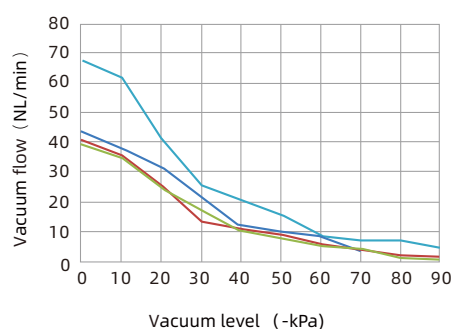


Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AZK-S	6.0	26	44.0	38.0	32.0	22.0	12.0	10.0	8.5	4.0	-	-	74
AZK-X	5.0	29	41.0	36.0	26.0	13.7	11.0	9.3	6.6	4.6	2.7	2.0	91
AZK-P	3.7	32	40.0	35.0	25.2	17.7	10.9	8.0	5.6	4.2	1.5	1.0	88
AZK-L	5.0	85	68.0	62.0	42.0	26.0	20.6	16.2	9.0	7.2	7.2	5.0	90

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	90	Max. vacuum level -kPa
AZK-S	6.0	26	0.01	0.19	0.50	1.02	1.72	2.60	3.88	-	-	74
AZK-X	5.0	29	0.02	0.14	0.47	0.96	1.56	2.50	3.87	6.00	-	91
AZK-P	3.7	32	0.05	0.30	0.71	1.26	1.95	2.97	4.49	6.95	-	88
AZK-L	5.0	85	0.06	0.16	0.33	0.60	0.95	1.43	2.14	3.03	6.16	90



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AZK Series

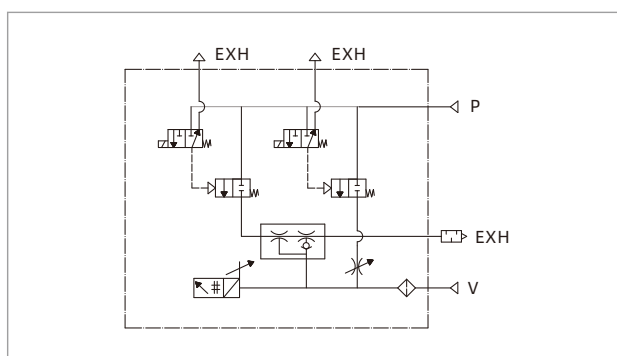
Integrated Vacuum Generator



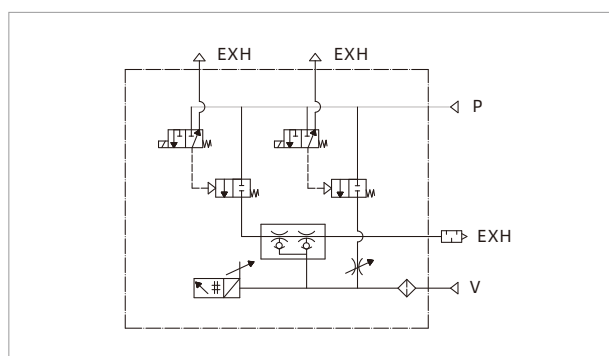
Technical parameters - Pressure switch

Model	ZPDC-□	ZPDC-□-E
Pressure range	-100~100kPa	-100~100kPa
Setting pressure range	-105~105kPa	-105~105kPa
Proof pressure	500kPa	500kPa
General gas	Air, Non-corrosive, non flammable gas	Air, Non-corrosive, non flammable gas
Power supply voltage	24V DC±10%, RIPPLE (P-P) 10% or less	24V DC±10%, RIPPLE(P-P)10% or less
Current consumption	≤40mA(Without load)	≤40mA (Without load)
Switch output Output mode	2NPN or 2PNP open collector output+1~5V linear analog output	1NPN or 1PNP open collector output
Max. load current	125mA	125mA
Max. supply voltage	30V DC (NPN) 24V DC (PNP)	24V DC
Residual voltage	≤1.5V	≤1.5V
Response time	≤2.5ms (chattering-proof function: 25ms, 100ms, 250ms, 500ms, 1000ms, 1500ms selectable)	≤2.5ms (chattering-proof function: 2.5ms, 20ms, 100ms, 500ms, 1000ms, 1999ms selectable)
Output short circuit protection	Yes	OUT switch:Yes;V-Sol/D-Sol:No
Repeatability	±0.2%F.S.±1 digit	
Display	3½LED 7 segment display (Red) display (Sampling rate: 5 times/sec)	
Indicator accuracy	±2% F.S. ±1 digit	
Switch ON indicator	OUT1:Green/OUT2:Red	
Environmental resistance IP Grade	IP40	
Ambient temp.range	Operation: 0~50°C	
Withstand voltage	1000VAC in 1minute (between case and lead wire)	
Insulation resistance	50MΩ min. (at 500V DC, between case and lead wire)	
Temperature characteristic	±2%F.S. (at temperature range of 0~50°C)	
Lead wire	Oil proof PVC cable (0.15mm²)	

Air circuit schematic diagram



AZK-□-N AZK-□-P



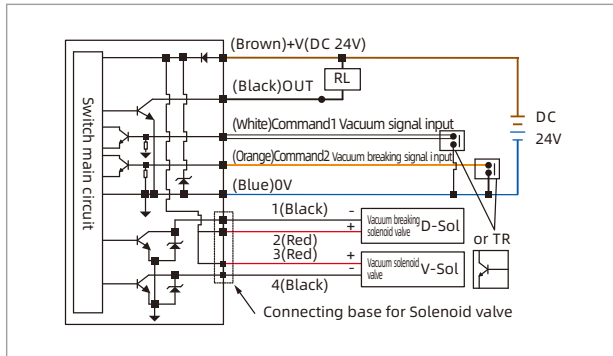
AZK-□-NE AZK-□-PE

AZK Series

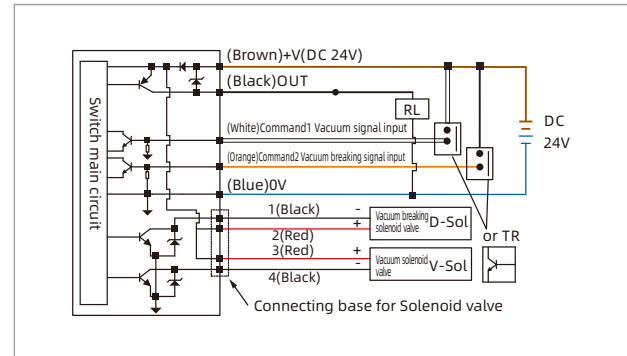
Integrated Vacuum Generator



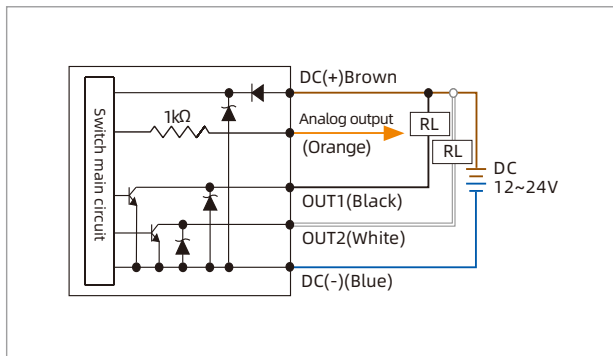
Output circuit wiring diagrams



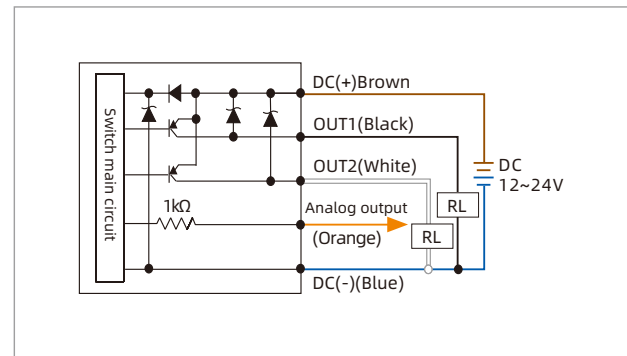
ZPDC-N-E NPN output



ZPDC-P-E PNP output

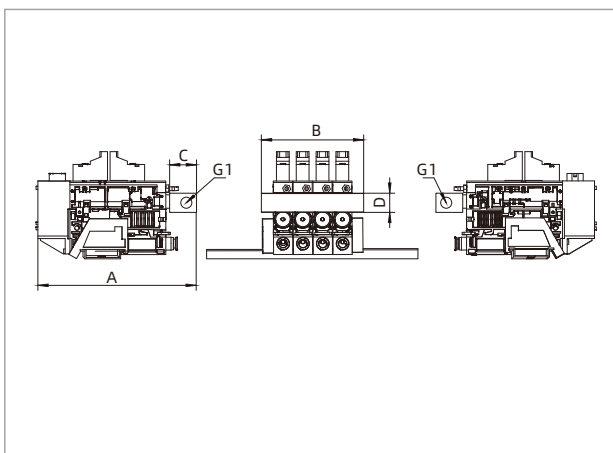


ZPDC-N 2NPN+1 Analog voltage output(1~5V)



ZPDC-P 2PNP+1 Analog voltage output(1~5V)

Centralized air supply dimensions(mm)



Stack	A	B	C	D	G1
2	124	49	21	15	G1/8
3	124	64.5	21	15	G1/8
4	124	80	21	15	G1/8
5	124	95.5	21	15	G1/8
6	124	111	21	15	G1/8
7	124	126.5	21	15	G1/8
8	124	142	21	15	G1/8

Max.number of manifold stations that can operate simultaneously	AZK-X	AZK-P	AZK-S	AZK-L
Air supply from one side	6	6	6	4
Air supply from both sides	8	8	8	8

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

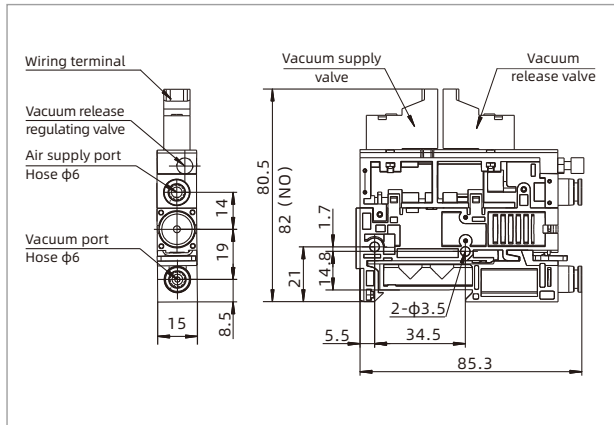
APB

AZK Series

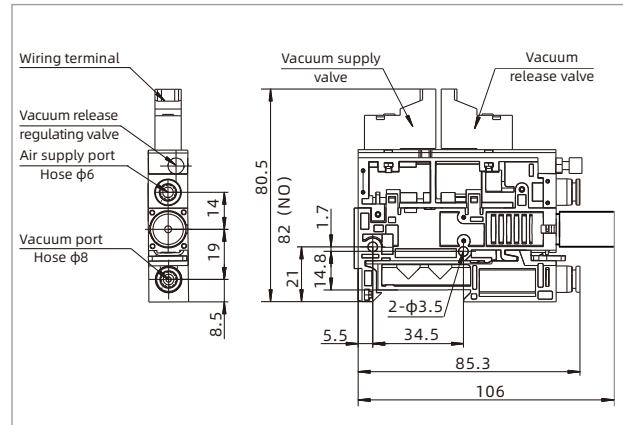
Integrated Vacuum Generator

AIRBEST

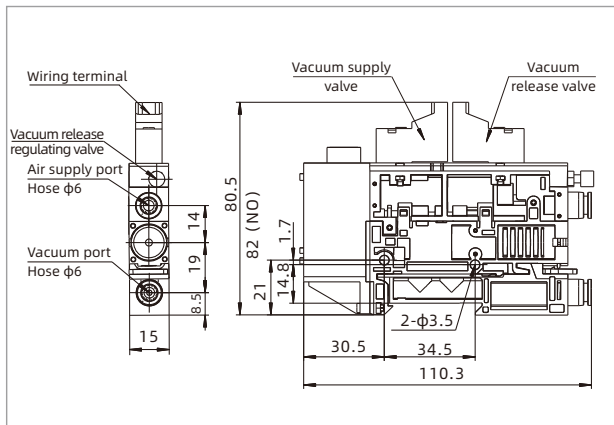
Dimensions(mm)



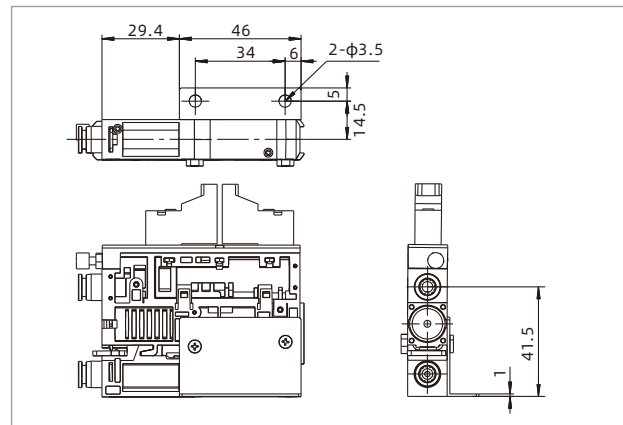
AZK-□ Single body



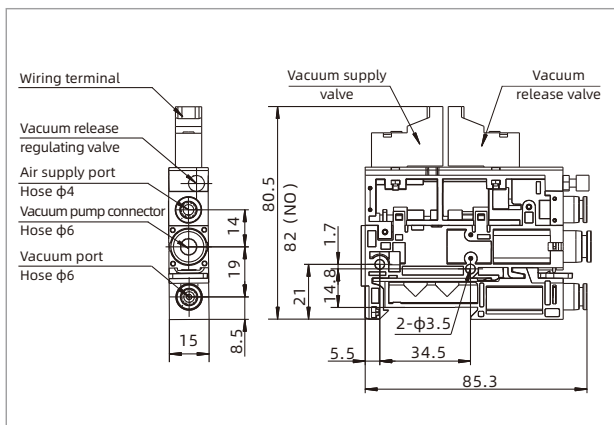
AZK-L Single body



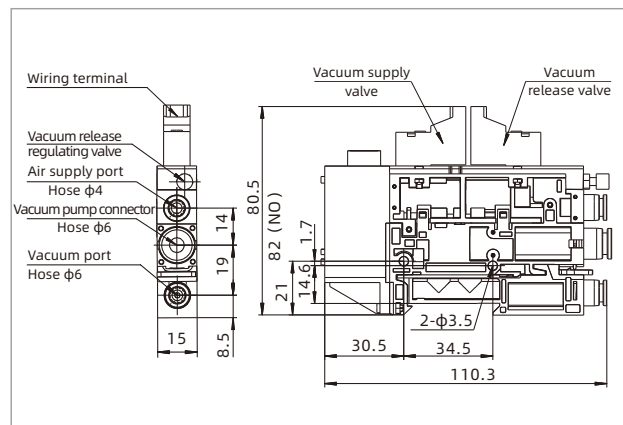
AZK-□-□ Single body with pressure switch



AZK-□-F Single body with mounting bracket



AZK-B Single body



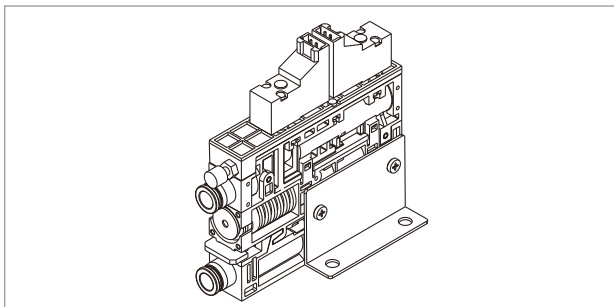
AZK-B-□ Single body with pressure switch

AZK Series

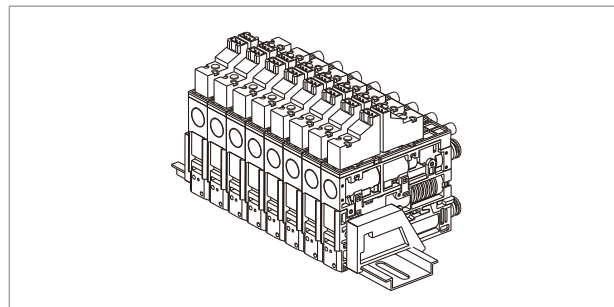
Integrated Vacuum Generator



Installation diagram

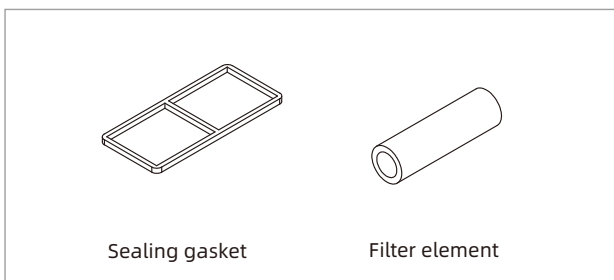


Mounting with bracket for single body



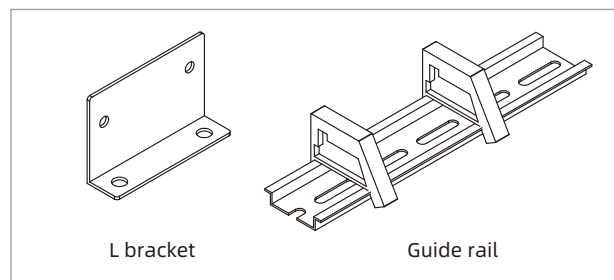
Mounting with DIN guide rail for combined type

Repair kits



Sealing gasket

Filter element



L bracket

Guide rail

Item	Model	Remark
Filter parts	AZK-FE	Filter element + sealing gasket
Solenoid valve leadwire	AZK-N	Plug lead wire length 300mm
Energy-saving leadwire	AZK-NE	Ends lead wire
Bracket mounting parts	AZK-F	L bracket+M3.5x20screw/nut(2 pcs each)
Guide rail mounting parts(2-3 layers)	AZK-2-D	Length 130mm
Guide rail mounting parts(4-5 layers)	AZK-4-D	Length 165mm
Guide rail mounting parts(6-7 layers)	AZK-6-D	Length 200mm
Guide rail mounting parts(8 layers)	AZK-8-D	Length 235mm

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AZQ Series

Mini Integrated Vacuum Generator

AIRBEST



ELECTRONICS



PACKAGING



PLASTIC

Features

- ◇ Multi-nozzle design
- ◇ Small size and light weight. The volume is 43.5cm³
- ◇ Centralized air supply
- ◇ No noise (vacuum pump type)
- ◇ With digital vacuum pressure switch

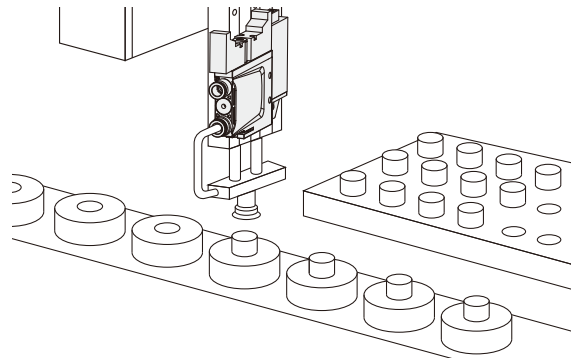
Advantages

- ◇ The device is compact and can be installed directly in the handling system
- ◇ Simple installation, can be installed directly on the distribution box
- ◇ Vacuum pump type is suitable for centralized vacuum station system



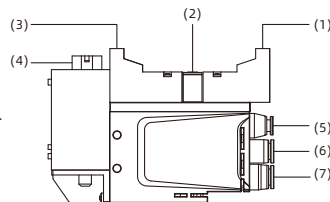
Applications

- ◇ Vacuum producing and monitoring in automation systems
- ◇ For robot handling applications and linear axes
- ◇ Pick and place applications with very short time
- ◇ Used for systems that require high dynamic handling of workpieces and with limited space
- ◇ Usually used for handling small parts in fully automated systems



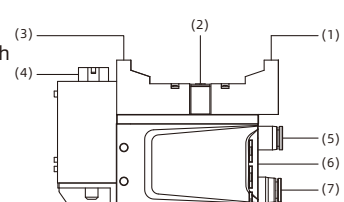
Structure - Without vacuum source type (Vacuum pump type)

- ◇ (1) Vacuum release valve
- ◇ (2) Vacuum release adjusting valve
- ◇ (3) Vacuum supply valve
- ◇ (4) Vacuum pressure switch
- ◇ (5) Air supply port
- ◇ (6) Vacuum pump connector
- ◇ (7) Vacuum port



With vacuum source type (Vacuum generator type)

- ◇ (1) Vacuum release valve
- ◇ (2) Vacuum release adjusting valve
- ◇ (3) Vacuum supply valve
- ◇ (4) Vacuum pressure switch
- ◇ (5) Air supply port
- ◇ (6) Exhaust port
- ◇ (7) Vacuum port



AZQ Series

Mini Integrated Vacuum Generator

AIRBEST

How to order

AZQ - T × 8 - 04 - N - DP

① ② ③ ④ ⑤ ⑥

① Series	② Specifications	③ Stack	④ Vacuum port specification	⑤ Vacuum switch	⑥ Air supply
AZQ	X - High vacuum level type	Nil - Single body	Nil - $\phi 6$ One-touch fitting	N - 2NPN output +	Nil - Individual air supply
	T - Large flow type	2	04 - $\phi 4$ One-touch fitting	1 analog output (1~5V)	DP - Centralized air supply
	B - Vacuum pump type	3		P - 2PNP output +	
				1 analog output (1~5V)	
		10			

◇ Note: 1. It is recommended to install an air filter with a filtration accuracy of 5um or less for positive pressure air supply of the vacuum generator (without the need for an oil mist filter)

2. For vacuum pump type, the recommended stack quantity is 6PCs. The maximum vacuum flow rate will be a decrease if there is stack Bx7 and Bx8. Please refer to the following parameters:
 31NL/min is the max.allowed passing flow of single stack of AZQ-Bx7
 28NL/min is the max.allowed passing flow of single stack of AZQ-Bx8

Technical parameters

Model	Air supply pressure range bar	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise dB(A)	Weight g	Recommended hose dia.(mm)
								Air supply port P Vacuum port V Vacuum pump connector
AZQ-X	3.0~6.0	5.0	91	12	8.2	64~70	75.4	$\phi 6$ $\phi 6$ -
AZQ-T	3.0~6.0	4.5	84	16	15.5	64~70	75.4	$\phi 6$ $\phi 6$ -
AZQ-B	3.0~6.0	-	-	35(Note)	-	-	78.2	$\phi 4$ $\phi 6$ $\phi 6$

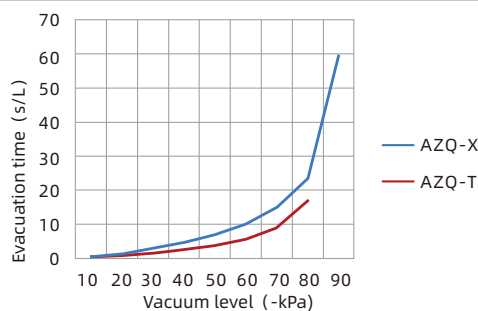
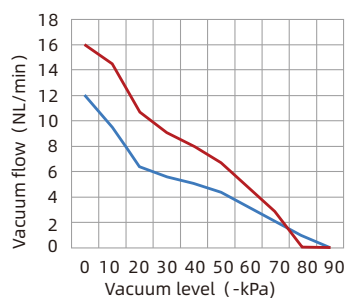
◇ Note: 35NL/min is the max.allowed passing flow of single stack of AZQ-Bx6

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	Max. vacuum level -kPa
AZQ-X	5.0	8.2	12	9.5	6.4	5.6	5.1	4.4	3.2	2.1	0.9	-	90
AZQ-T	4.5	15.5	16	14.5	10.7	9.1	8.0	6.7	4.8	2.8	-	-	84

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	90	Max. vacuum level -kPa
AZQ-X	5.0	8.2	0.49	1.37	2.90	4.70	6.98	10.03	14.90	23.20	59.52	90
AZQ-T	4.5	15.5	0.34	0.76	1.51	2.40	3.76	5.61	8.94	16.86	-	84



AZQ Series

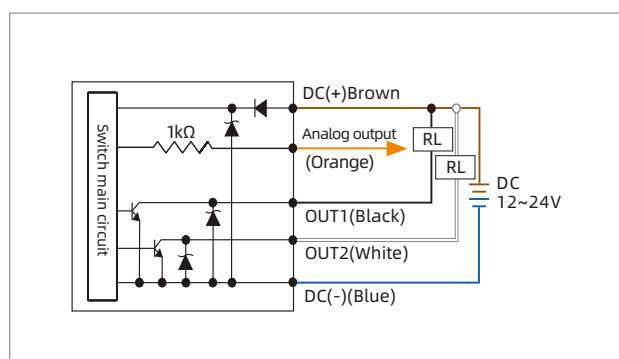
Mini Integrated Vacuum Generator



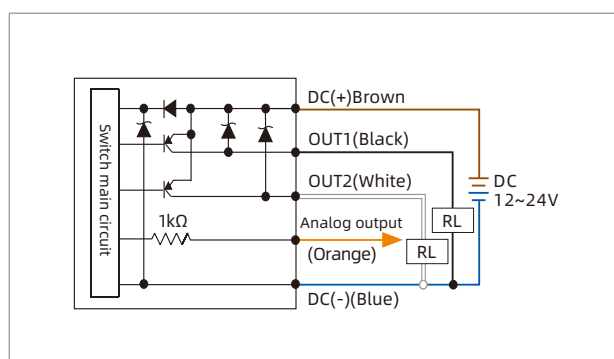
Technical parameters - Pressure switch

Model	ZPDC-□
Pressure range	-100~100kPa
Setting pressure range	-105~105kPa
Proof pressure	500kPa
General gas	Air, Non-corrosive, non flammable gas
Power supply voltage	12~24V DC±10%, RIPPLE (P-P) 10% or less
Current consumption	≤40mA(Without load)
Switch output Output mode	2NPN or 2PNP open collector output+1~5V linear analog output
Max. load current	125mA
Max. supply voltage	30V DC (NPN) 24V DC (PNP)
Residual voltage	≤1.5V
Response time	≤2.5ms (chattering-proof function: 25ms, 100ms, 250ms, 500ms, 1000ms, 1500ms selectable)
Output short circuit protection	Yes
Repeatability	±0.2%F.S.±1 digit
Display	3½LED 7 segment display (Red) display (Sampling rate: 5 times/sec)
Indicator accuracy	±2% F.S. ±1 digit At ambient temperature: 25±3°C
Switch ON indicator	OUT1:Green/OUT2:Red
Environmental resistance IP Grade	IP40
Ambient temp.range	Operation: 0~50°C
Withstand voltage	1000VAC in 1minute (between case and lead wire)
Insulation resistance	50MΩ min. (at 500V DC, between case and lead wire)
Temperature characteristic	±2%F.S. (at temperature range of 0~50°C)
Lead wire	Oil proof PVC cable (0.15mm²)

Output circuit wiring diagrams



ZPDC-N 2NPN+1 Analog voltage output (1-5V)



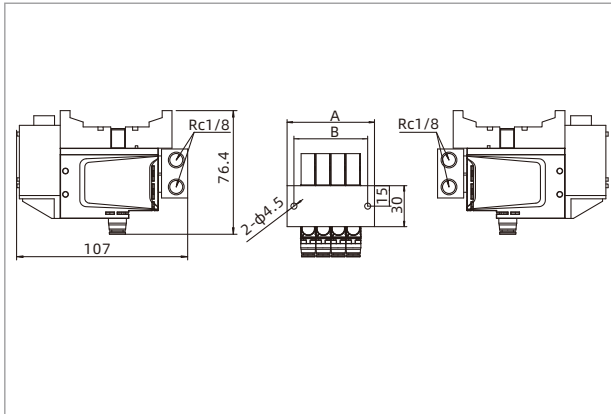
ZPDC-P 2PNP+1 Analog voltage output (1-5V)

AZQ Series

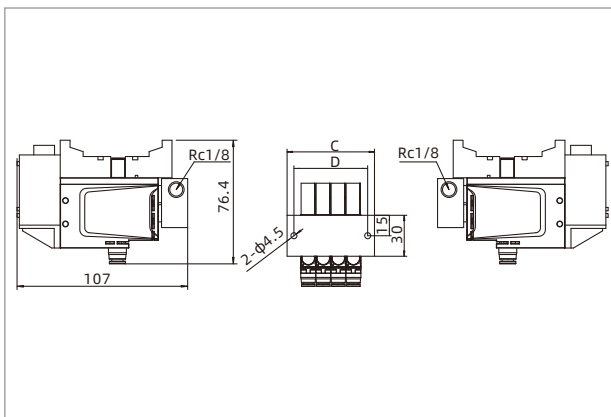
Mini Integrated Vacuum Generator

AIRBEST

Centralized air supply dimensions(mm)



Vacuum pump type



Vacuum generator type

Stack	A	B	C	D
2	45.5	32.5	45.5	32.5
4	68.5	55.5	68.5	55.5
6	91.5	78.5	91.5	78.5
8	114.5	101.5	114.5	101.5
10	-	-	137.5	124.5

- ◇ Note: 1. 31NL/min is the max.allowed passing flow of single stack of AZQ-Bx7
 2. 28NL/min is the max.allowed passing flow of single stack of AZQ-Bx8
 3. AZQ-X/T/B dual integrated vacuum generator is a standard product, while using single piece with dual centralized gas supply, vacant port should be blocked.
 4. While using 5 pieces or more AZQ-B for integrating, recommend air supply on both sides

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

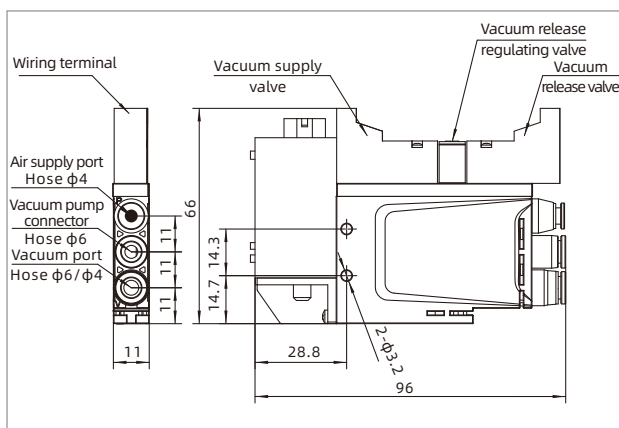
ACP

ACPF

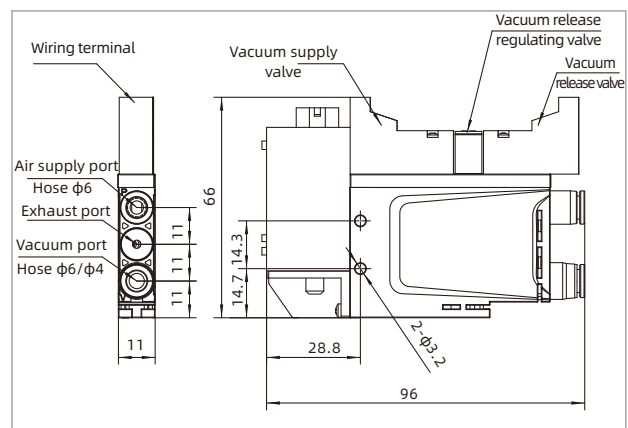
ACPS

APB

Dimensions(mm)



AZQ-B-□ Single body of vacuum pump type



AZQ-□-□ Single body of vacuum generator type

AZX Series

Large Flow Integrated Vacuum Generator

AIRBEST



ELECTRONICS



PACKAGING



PLASTIC

Features

- ◇ Energy-efficient nozzle design
- ◇ Integrated with control valve, vacuum gauge and regulating valve
- ◇ Modular design

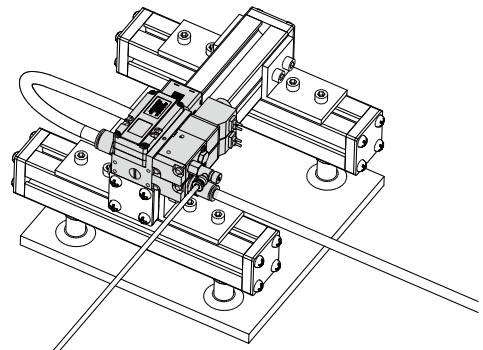
Advantages

- ◇ Large vacuum flow can be produced under the condition of low air consumption
- ◇ Integrated design, saving piping and wiring, controlling setting time, etc.
- ◇ High reliability and stability



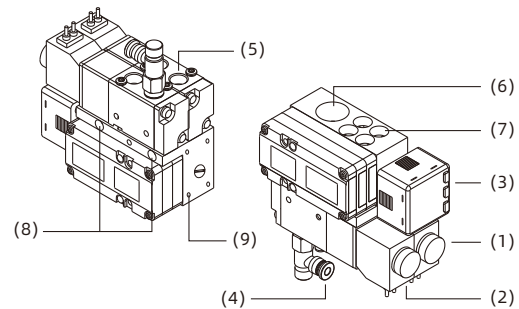
Applications

- ◇ Integrated vacuum generator for handling porous workpieces
- ◇ Vacuum producing and monitoring in automation systems
- ◇ For robot handling applications and linear axes
- ◇ Pick and place applications with very short time
- ◇ Used for systems that require high dynamic handling of workpieces and with limited space



Structure

- ◇ (1) Vacuum supply valve
- ◇ (2) Vacuum release valve
- ◇ (3) Vacuum pressure switch
- ◇ (4) Release port
- ◇ (5) Air supply port
- ◇ (6) Vacuum port
- ◇ (7) Exhaust port
- ◇ (8) Mounting hole
- ◇ (9) Threaded mounting hole



AZX Series

Large Flow Integrated Vacuum Generator

AIRBEST

How to order

AZX 20 - N

① ② ③

① Series	② Specification	③ Vacuum switch
AZX	20	N - 1NPN output+1 analog voltage output (1-5V)
	30	P - 1PNP output+1 analog voltage output (1-5V)

Selection

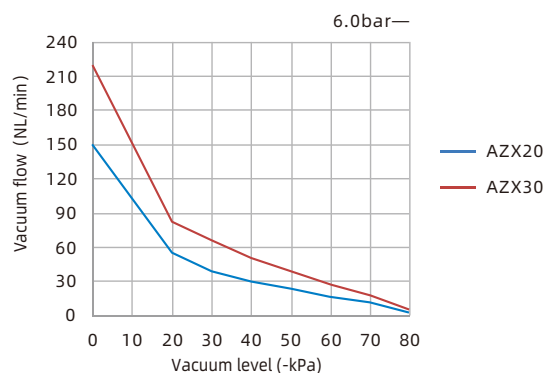
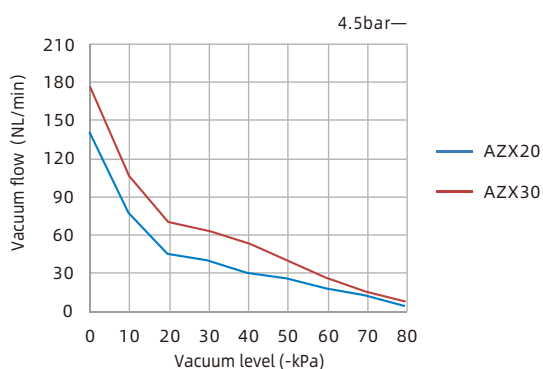
Model/ Vacuum switch N	P
AZX20-N	AZX20-P
AZX30-N	AZX30-P

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 P	Vacuum port V
AZX20	4.5~6.0	85	141~150	55~85	60~70	411	φ8	φ12
AZX30	4.5~6.0	85	175~220	87~125	60~70	424	φ10	φ12

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
AZX20	4.5	55	141	77	45	39.5	29.5	25	17.5	12	3	85
AZX30	4.5	87	175	105	70	63	53	40	26	14	6.5	85
AZX20	6.0	85	150	100	55	38	30	24	16	11	3.2	85
AZX30	6.0	125	220	150	81	65	50	38	27	18	5	85



Vacuum Generator

AZX

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

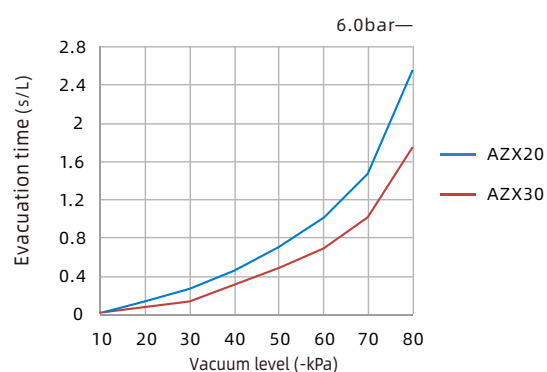
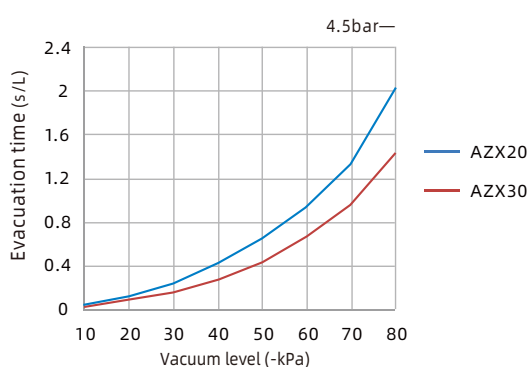
AZX Series

Large Flow Integrated Vacuum Generator

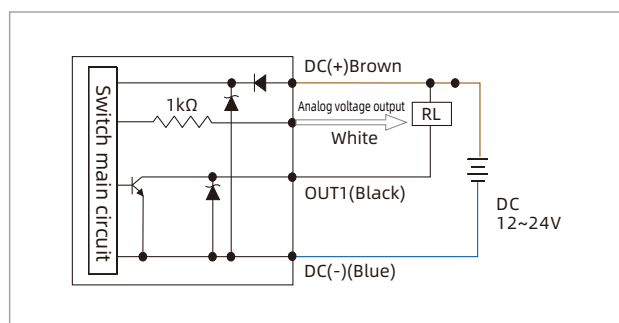


Evacuation time(s/L) to reach different vacuum levels(-kPa)

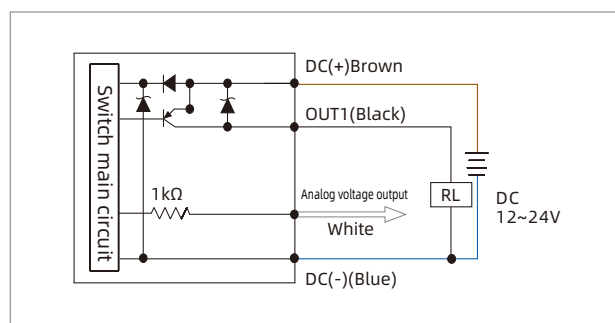
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AZX20	4.5	55	0.04	0.12	0.23	0.41	0.65	0.93	1.33	2.03	85
AZX30	4.5	87	0.03	0.09	0.16	0.27	0.43	0.66	0.95	1.43	85
AZX20	6.0	85	0.02	0.15	0.28	0.46	0.71	1.02	1.48	2.55	85
AZX30	6.0	125	0.02	0.08	0.14	0.31	0.49	0.69	1.02	1.75	85



Output circuit wiring diagrams



ZPDT-CNV-R1M 1NPN+Analog voltage output(1-5V)



ZPDT-CPV-R1M 1PNP+Analog voltage output(1-5V)

AZX Series

Large Flow Integrated Vacuum Generator



Technical parameters

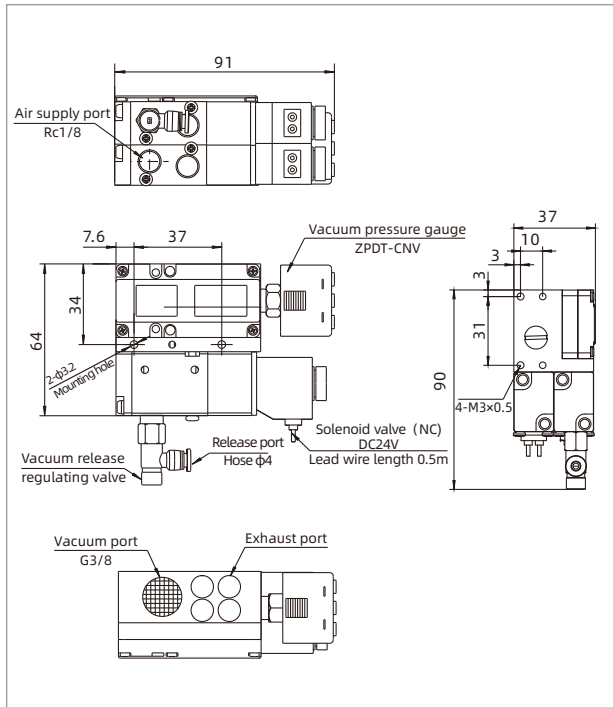
Model		ZPDT-C (Compound)	Vacuum Generator
Rated pressure range		-100.0~100.0kPa	
Setting pressure range		-103.0~103.0kPa	AZK
Withstand pressure		500kPa	AZQ
Fluid		Air, Non-corrosive gas/Non-flammable gas	AZX
Pressure unit	kPa	0.1	AZD
Set pressure resolution	MPa	-	AGS
	kgf/cm ²	0.001	AGB
	bar	0.001	AGP
	psi	0.01	AGX
	inHg	0.1	AGE
	mmHg	1	ABM/ABX
Power supply voltage		12 to 24V Dc±10%, ripple(P-P)10% or less	ABM/ABX Combined Type
Current consumption		≤40mA (Without load)	AMC
Switch output	Output type	Open collector output (NPN or PNP)	AM/AL/AH
	load current	Max.125mA	AM/AL Combined Type
	Residual voltage	≤1.0V	AMD
	Response time	≤2.5ms (Chattering-proof function: 25ms,100ms,250ms, 500ms, 1000ms, 1500ms selectable)	AZW
Analog output	Output Voltage	1-5V ±2.5%F.S (within rated pressure range)	AZR
	Output impedance	1kΩ	ABT
	Linearity	±1% F.S.	ABP
Display	Display	Three colors (Red/ Green/ Orange)Sampling rate:5 times/sec,2 times/sec,1 time/sec for choice.)	ABQ
	Indicator accuracy	±1%F.S.±1 digit (ambient temperature: 25±3°C)	AEVC
	Repeatability	±0.3%F.S.±1 digit	AZL
Environmental resistance	Switch ON Indicator	Orange (1 indicator)OUT1	ALH
	IP Grade	IP40	AZH
	Ambient temperature	0~50°C	AZU
	Temperature characteristic	±3% F.S. Comparative parameter temperature 25°C (at temp. range of 0~50°C)	ACV
	Storage temperature	Storage: -10~60°C (No condensation or freezing)	ASBP
	Ambient temperature	Operation/ storage: 35-85%HR (No condensation)	ALS
	Withstand voltage	1000VAC1 minute (between case and lead wire)	ACP
	Insulation resistance	More than 50MΩ (500V DC) (between case and lead wire)	ACPF
	Vibration resistance	Complex amplitude 1.5mm Or 10G, 10Hz~150Hz~10Hz for 1 minute, two hours each direction of X, Y and Z	ACPS
	Impact resistance	100m/s ² (10G) 3 times each direction of X, Y and Z	APB
Lead wire		Oil-resistance cable (0.15mm ²)	
Weight		67g (with 2 meters lead wire)	

AZX Series

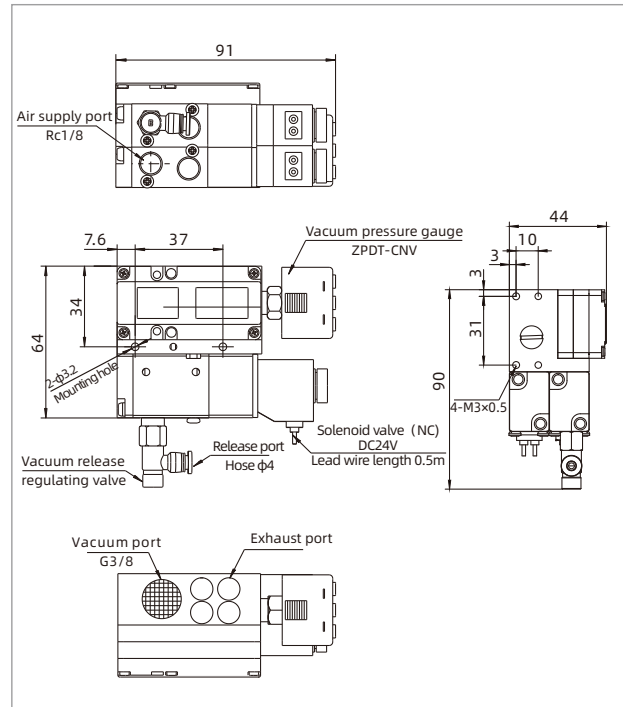
Large Flow Integrated Vacuum Generator



Dimensions(mm)



AZX20-N AZX20-P



AZX30-N AZX30-P

AZD Series

Energy-saving Vacuum Generator

AIRBEST



UNIVERSAL

Features

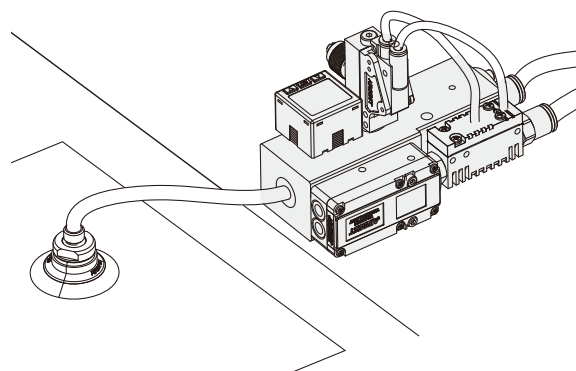
- ◇ Multistage vacuum generator with energy-efficient nozzle design
- ◇ Energy-saving function, it is integrated with vacuum unit, silencer, digital pressure gauge and vacuum energy saving control
- ◇ It has the function of debugging

Advantages

- ◇ Large vacuum flow can be produced under the condition of low air consumption
- ◇ Easy to install, space saving, it can help customers to reduce cost most, mainly used in electric control systems
- ◇ Customers can adjust and control the interval according to the actual application

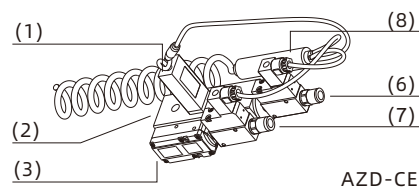
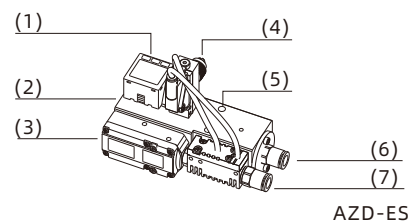
Applications

- ◇ Used in vacuum systems, where there are higher requirements for compressed air energy consumption occasions
- ◇ The vacuum generator is highly integrated with electric control and energy saving devices
- ◇ The energy-saving vacuum generator is suitable for the occasions where there is air leakage in the process of adsorption



Structure

- ◇ (1) Digital pressure gauge
- ◇ (2) Vacuum port
- ◇ (3) Vacuum generator
- ◇ (4) Adjusting screw
- ◇ (5) Mounting hole
- ◇ (6) Vacuum release port
- ◇ (7) Air supply port
- ◇ (8) ES device



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AZD Series

Energy-saving Vacuum Generator

AIRBEST

How to order

AZD 20 - ES

① ② ③

① Series	② Specification	③ Energy saving(ES) mode
AZD	20	ES - Pneumatic energy saving CE - Electric control energy saving

Technical parameters

Model	Air supply pressure range bar	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Max. break flow rate NL/min	Air consumption NL/min	Noise level dB(A)
AZD20	4.0~7.0	5.0	83	90	52	70	69

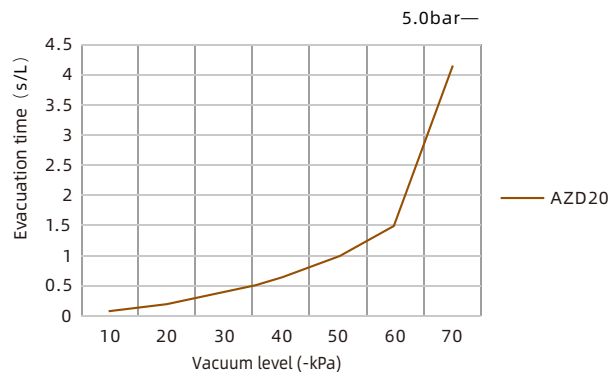
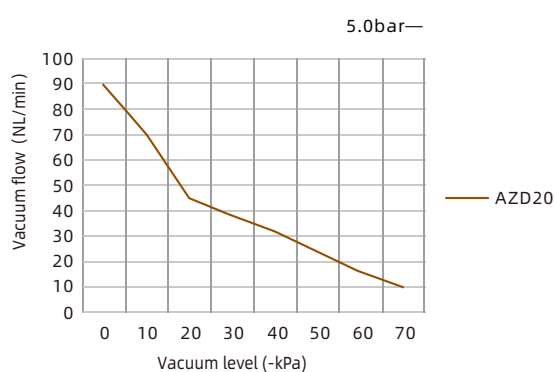
Model	Solenoid valve rated working voltage V	Solenoid valve status	Solenoid valve rated power W	Working temperature °C	Weight g ES	CE	Recommended hose dia.(mm) Air supply port P	Vacuum port V
AZD20	DC24	Normally closed(NC)	2.5	0~60	620	690	φ8	φ10

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
AZD20	5.0	70	90	72	43	35	22	19	14	11	83

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	Max. vacuum level -kPa
AZD20	5.0	70	0.08	0.2	0.39	0.63	0.99	1.5	4.15	83

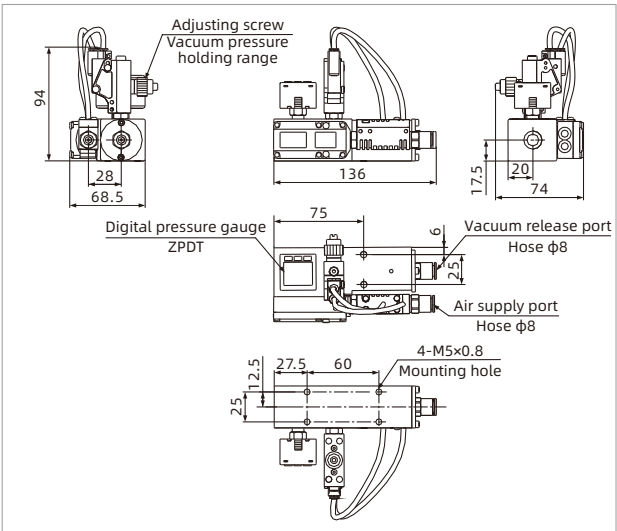


AZD Series

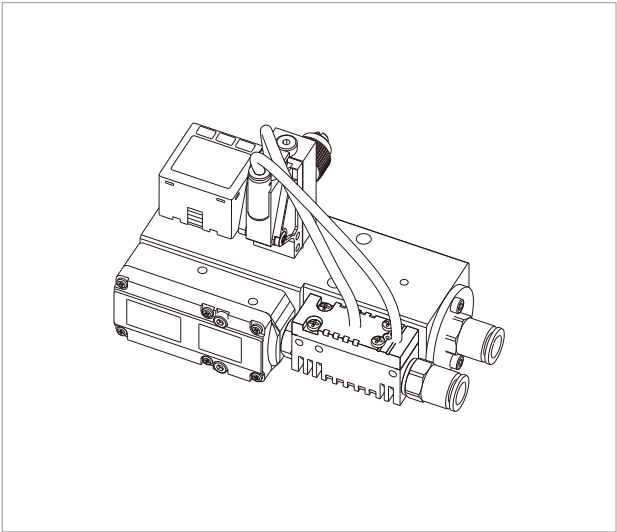
Energy-saving Vacuum Generator



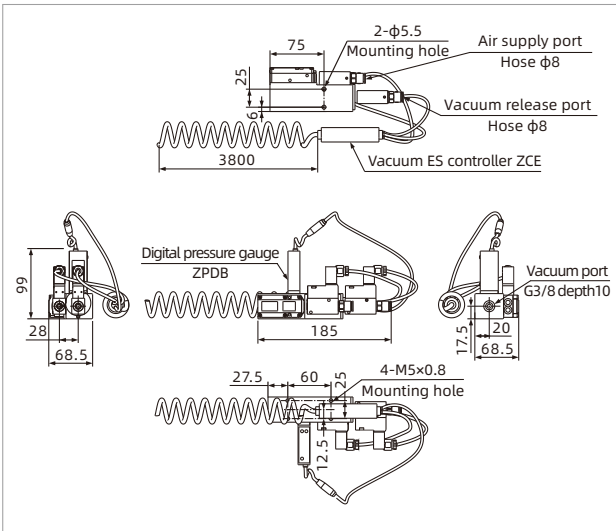
Dimensions(mm)



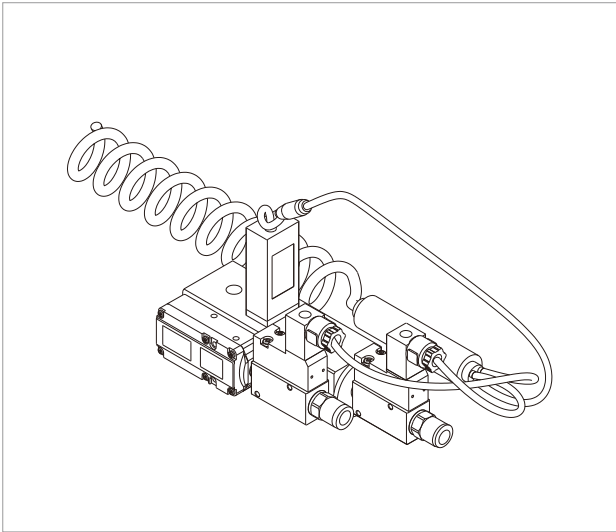
AZD20-ES



AZD20-ES Schematic diagram



AZD20-CE



AZD20-CE Schematic diagram

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AGS Series

Vacuum Generator

AIRBEST



ELECTRONICS



METAL
SHEET



PACKAGING

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

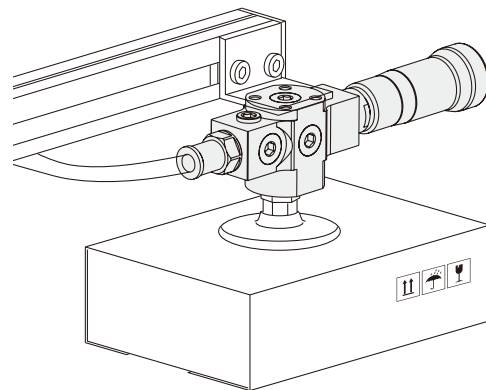
Advantages

- ◇ 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



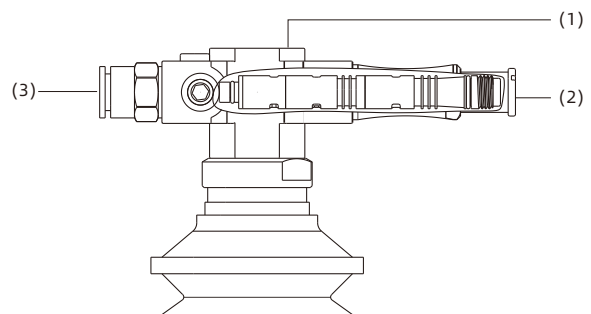
Applications

- ◇ 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



AGS Series

Vacuum Generator



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 ZSC8
		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

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

Selection

Model/Non-return valve selection Nil - Without non-return valve		V - With 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

Vacuum Generator

AIRBEST

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-N Series

Vacuum Generator

AIRBEST

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

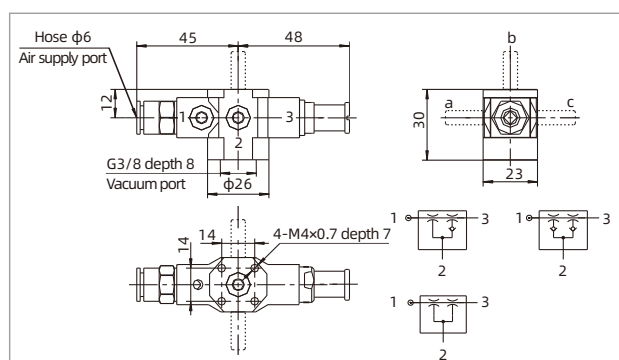
Vacuum Generator

AIRBEST

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

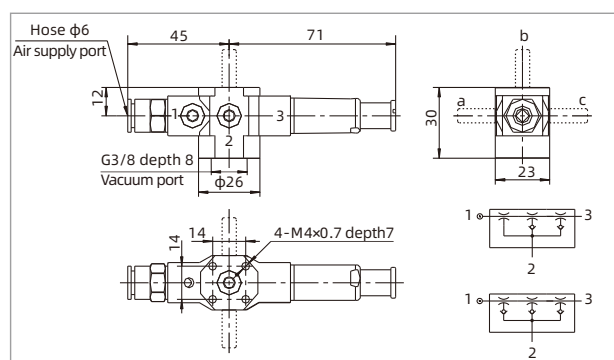
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGS-N-S08-2	4.0	19.0	0.07	0.25	0.56	1.02	1.89	5.24	-	-	60
	5.0	23.0	0.07	0.22	0.47	0.85	1.53	2.40	6.43	-	70
	6.0	27.0	0.07	0.20	0.39	0.74	1.35	2.14	3.35	-	75
AGS-N-S08-3	4.0	19.0	0.06	0.22	0.53	0.93	1.72	4.61	-	-	60
	5.0	23.0	0.06	0.19	0.44	0.83	1.35	2.23	6.33	-	70
	6.0	27.0	0.05	0.19	0.38	0.68	1.26	2.08	3.05	-	75
AGS-N-X10-2	4.5	27.5	0.11	0.27	0.52	0.98	1.65	2.41	3.87	6.20	90
	5.0	30.0	0.12	0.27	0.48	0.83	1.49	2.49	3.77	6.19	93
	6.0	34.5	0.12	0.26	0.45	0.72	1.21	2.33	3.68	6.35	91
AGS-N-X10-3	4.5	27.5	0.06	0.19	0.40	0.76	1.45	2.21	3.49	5.55	90
	5.0	30.0	0.05	0.19	0.37	0.66	1.26	2.14	3.45	5.60	93
	6.0	34.5	0.05	0.18	0.35	0.59	1.02	2.10	3.31	5.72	91
AGS-N-P12-2	1.7	19.0	0.15	0.55	1.26	2.90	-	-	-	-	43
	2.2	22.5	0.14	0.37	0.88	1.58	2.78	-	-	-	58
	3.14	29.0	0.12	0.29	0.59	1.07	1.86	2.66	4.33	6.72	90
	4.0	35.0	0.12	0.26	0.49	0.77	1.50	2.48	3.98	7.05	88
AGS-N-P12-3	1.7	19.0	0.13	0.52	1.22	2.75	-	-	-	-	43
	2.2	22.5	0.08	0.31	0.70	1.33	2.54	-	-	-	58
	3.14	29.0	0.06	0.21	0.45	0.94	1.58	2.40	3.83	6.07	90
	4.0	35.0	0.06	0.20	0.38	0.67	1.26	2.36	3.75	6.57	88
AGS-N-D16-2	6.0	46.0	0.04	0.18	0.39	0.62	0.95	1.47	3.10	-	72

Dimensions(mm)



AGS-N (MINI type 2 stages)

◇ Note: Type D/E are optional for above drawing a/b/c. Default mounting accessory is type C for AGS-N series



AGS-N (MINI type 3 stages)

Model selection

Housing	Vacuum cartridge
MINI type 2 stages	S08-2, X10-2, P12-2, D16-2
MINI type 3 stages	S08-3, X10-3, P12-3

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

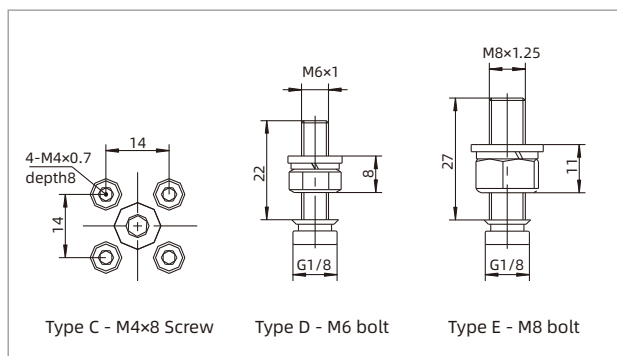
APB

AGS-N Series

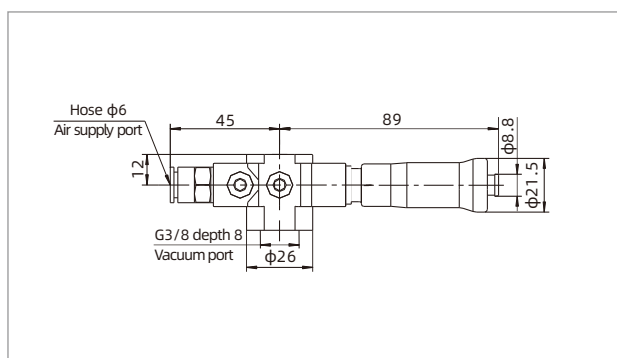
Vacuum Generator



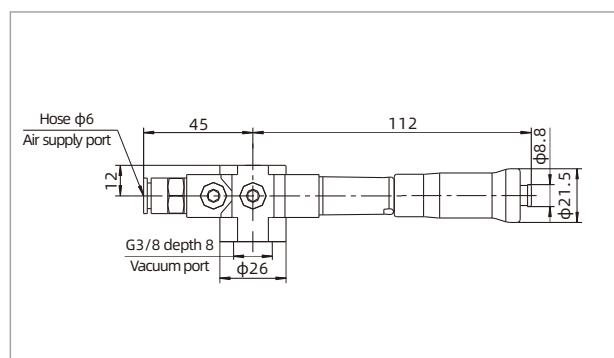
Mounting accessory(mm)



Silencer(mm)



MINI type 2 stages



MINI type 3 stages

Housing	Silencer
MINI type 2 stages	ZSC8
MINI type 3 stages	ZSC8

AGS-D Series

Vacuum Generator

AIRBEST

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



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

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-S32-2	4.0~6.0	75	178.0	130.0	82	143	φ8	G1/2
AGS-D-S32-3	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	Max. vacuum level -kPa
AGS-D-S32-2	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-S32-3	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	Max. vacuum level -kPa
AGS-D-S32-2	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-S32-3	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

AGS-D Series

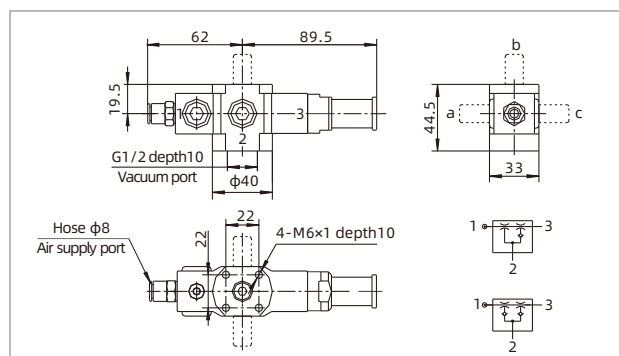
Vacuum Generator

AIRBEST

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

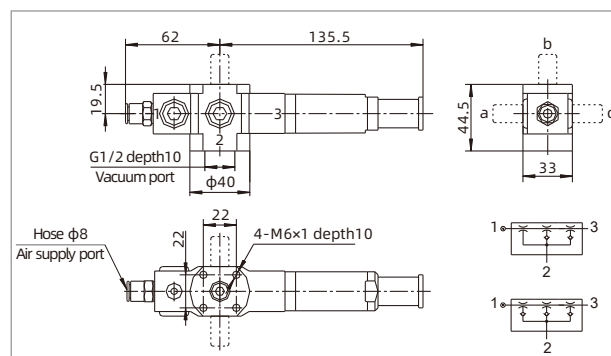
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AGS-D-X40-2	4.5	120	0.04	0.08	0.15	0.28	0.46	0.66	0.99	1.15	-	91
	5.0	125	0.04	0.08	0.14	0.24	0.41	0.66	1.02	1.52	3.27	95
	6.0	135	0.04	0.08	0.14	0.20	0.30	0.57	0.95	1.55	3.70	94
AGS-D-X40-3	4.5	120	0.03	0.07	0.13	0.23	0.38	0.63	0.97	1.50	3.25	91
	5.0	125	0.03	0.07	0.14	0.21	0.37	0.62	0.99	1.46	3.23	95
	6.0	135	0.03	0.05	0.10	0.16	0.27	0.47	0.86	1.45	3.92	94

Dimensions(mm)



AGS-D (MIDI type 2 stages)

◇ Note: Type G/H/K are optional for above drawing a/b/c. Default mounting accessory is type F for AGS-D series

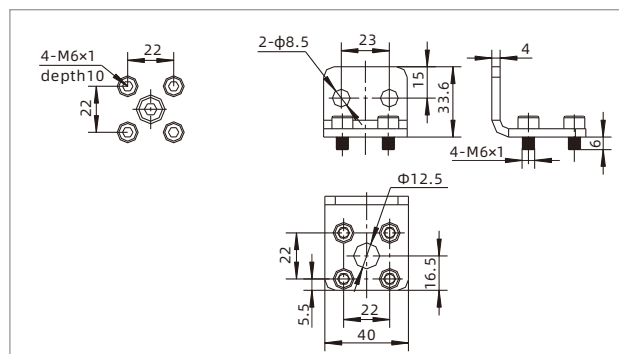


AGS-D (MIDI type 3 stages)

Model selection

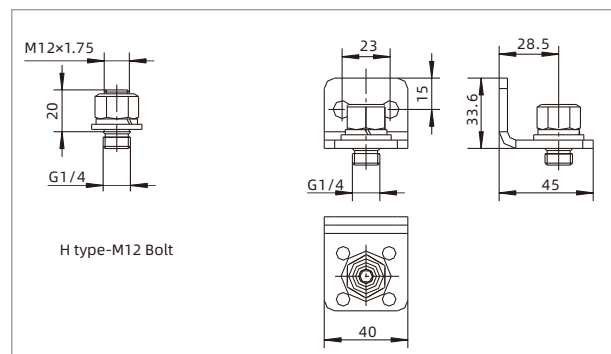
Housing	Vacuum cartridge
MIDI type 2 stages	S32-2、X40-2
MIDI type 3 stages	S32-3、X40-3

Mounting accessory(mm)



Type F - M6 Screw

Type G - M6 Screw + L type bracket



Type H - M12 Bolt

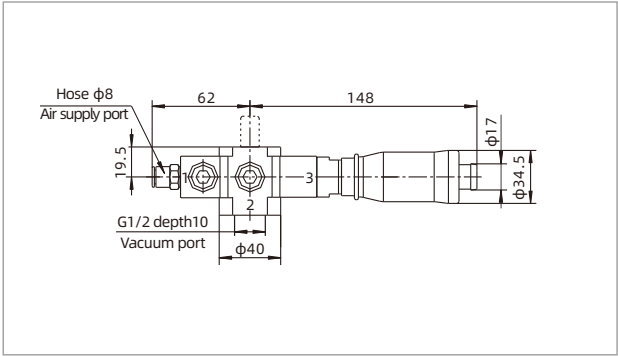
Type K - M12 Bolt + L type bracket

AGS-D Series

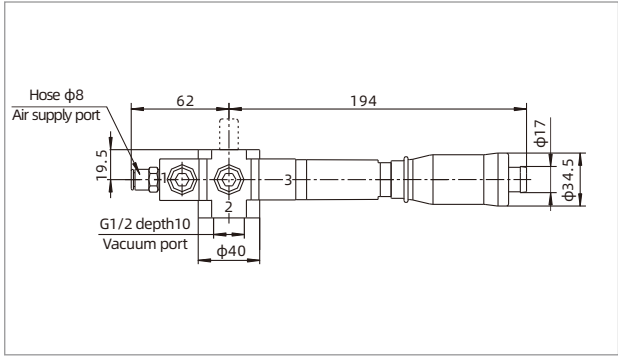
Vacuum Generator



Silencer(mm)



MIDI type 2 stages



MIDI type 3 stages

Housing	Silencer
MIDI type 2 stages	ZSC16
MIDI type 3 stages	ZSC16

Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

AGB Series

Vacuum Generator

AIRBEST



Features

- ◇ Fast evacuation, high vacuum level, low air consumption
- ◇ Small size, simple structure, easy to install
- ◇ There are 3 vacuum ports with G1/8 female thread

Advantages

- ◇ High efficient and energy-saving vacuum generator, can quickly reach the max. vacuum level
- ◇ Can be used in the occasions with limited space and weight, easy to install
- ◇ Can be directly connected to suction cups to save space

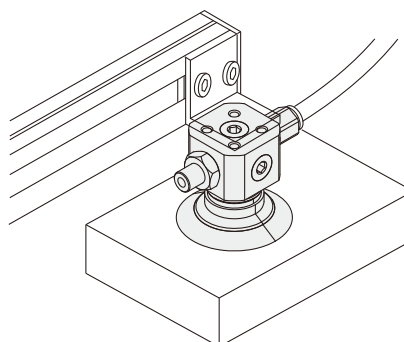


Applications

- ◇ The occasions with limited installation space
- ◇ Applicable to the working conditions that require fast evacuation and low air consumption

Structure

- ◇ Housing can be freely matched with vacuum cartridges with different performance parameters
- ◇ The air supply port is directly inserted into the $\phi 4$ hose, the vacuum port is G1/8 female thread



How to order

AGB - S02-2

① ②

Series	② Specification
AGB	S02 - 2 (-75kPa)
	X2.5 - 2 (-90kPa)
	T05 - 2 (-84kPa)

◇ Note: The standard mounting accessory is type C, other types should be ordered separately if needed

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
AGB-S02-2	4.0~6.0	75	16.2	8.0	70	20	$\phi 4$	G1/8
AGB-X2.5-2	4.5~6.0	90	17.2	10.5	72	20	$\phi 4$	G1/8
AGB-T05-2	4.0~6.0	84	19.5	21.5	78	20	$\phi 4$	G1/8

AGB Series

Vacuum Generator

AIRBEST

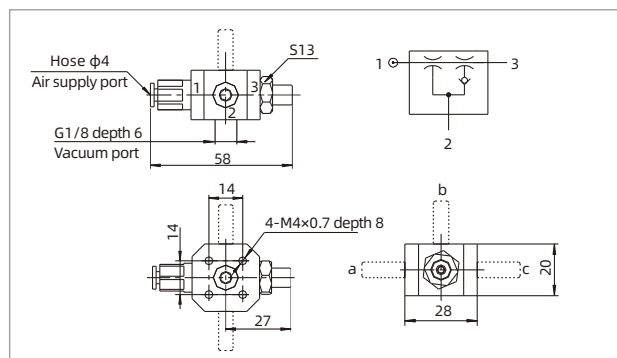
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	Max. vacuum level -kPa
AGB-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
AGB-X2.5-2	6.0	8.0	16.2	12.2	6.3	4.6	3.9	3.0	2.0	-	75
	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
AGB-T05-2	6.0	10.0	17.2	14.2	9.3	4.5	3.3	2.3	1.4	-	89
	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

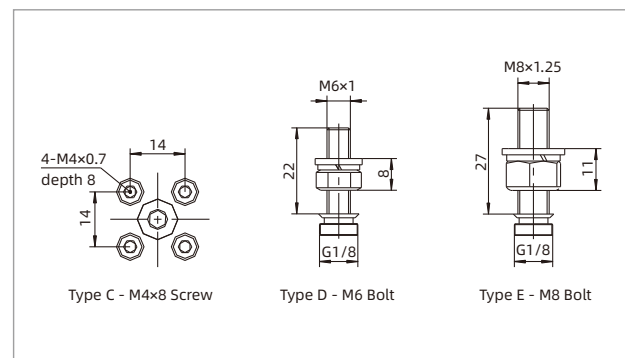
Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGB-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
AGB-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
AGB-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

Dimensions(mm)



Mounting accessories(mm)



AGB

◇ Note: Type D/E are optional for above drawing a/b/c.Default mounting accessory is type C for AGB series

Mounting accessory selection

Item	Model	Model
AGB mounting accessory	Type C - 4-M4x8 Screw	Type D - M6 Bolt
	Type E - M8 Bolt	-

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

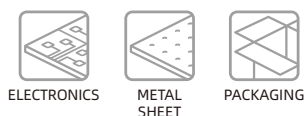
ACPS

APB

AGP Series

Vacuum Generator

AIRBEST

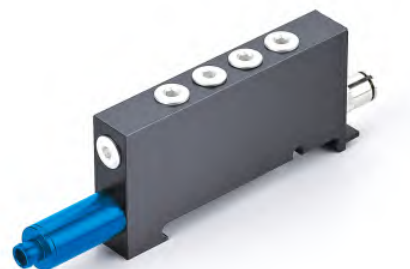


Features

- ◇ Fast evacuation, high vacuum level, low air consumption
- ◇ Built-in vacuum cartridge
- ◇ Small size, simple structure, groove type installation structure
- ◇ There are 6 vacuum ports with G1/8 female thread

Advantages

- ◇ High efficient and energy-saving vacuum generator, can quickly reach the max. vacuum level
- ◇ The suitable vacuum generators can be selected according to different working conditions
- ◇ Simple installation structure, can be installed quickly
- ◇ Multiple suction cups can be connected at the same time
- ◇ Reduce product noise



Applications

- ◇ The working conditions where multiple suction cups are directly installed at the same time
- ◇ Applicable to the working conditions that require fast evacuation and low air consumption

Structure

- ◇ Housing can be freely matched with vacuum cartridges with different performance parameters
- ◇ The air supply port is directly inserted into the $\phi 6$ hose, the vacuum port is G1/8 female thread

How to order

AGP - S08-3
① ②

Series	② Specification
AGP	S08-3 (-75kPa) X10-3 (-93kPa) P12-3 (-90kPa)

AGP Series

Vacuum Generator

AIRBEST

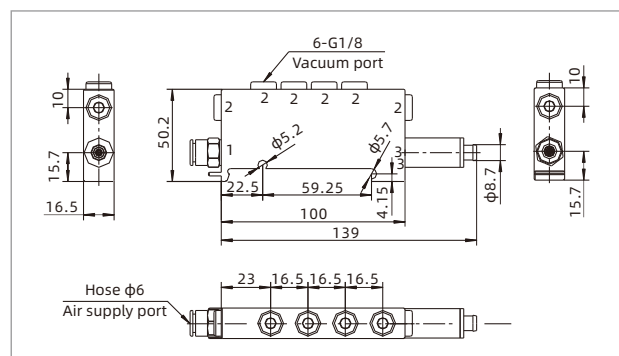
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGP-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
AGP-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
AGP-P12-3	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
	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

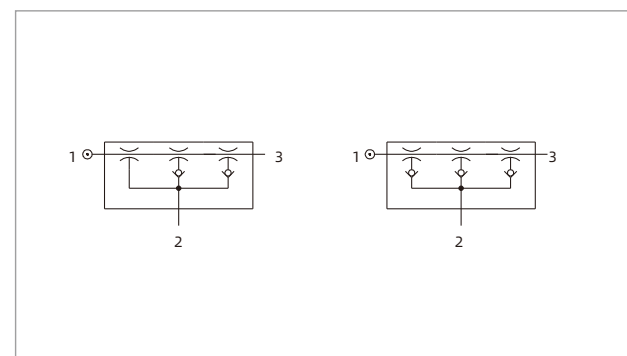
Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AGP-S08-3	4.0	19.0	0.06	0.22	0.53	0.93	1.72	4.61	-	-	60
	5.0	23.0	0.06	0.19	0.44	0.83	1.35	2.23	6.33	-	70
	6.0	27.0	0.05	0.19	0.38	0.68	1.26	2.08	3.05	-	75
AGP-X10-3	4.5	27.5	0.06	0.19	0.40	0.76	1.45	2.21	3.49	5.55	90
	5.0	30.0	0.05	0.19	0.37	0.66	1.26	2.14	3.45	5.60	93
	6.0	34.5	0.05	0.18	0.35	0.59	1.02	2.10	3.31	5.72	91
AGP-P12-3	1.7	19.0	0.13	0.52	1.22	2.75	-	-	-	-	43
	2.2	22.5	0.08	0.31	0.70	1.33	2.54	-	-	-	58
	3.14	29.0	0.06	0.21	0.45	0.94	1.58	2.40	3.83	6.07	90
	4.0	35.0	0.06	0.20	0.38	0.67	1.26	2.36	3.75	6.57	88

Dimensions(mm)



AGP Air circuit schematic diagram



AGP

◇ Note: 1. Air supply port, 2. Vacuum port, 3. Exhaust port

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

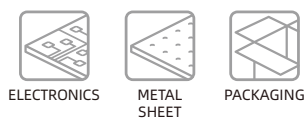
ACPS

APB

AGX Series

Vacuum Generator

AIRBEST



Features

- ◇ Fast evacuation, high vacuum level, low air consumption
- ◇ Built-in vacuum cartridge
- ◇ Small size, simple structure, groove type installation structure
- ◇ There are 6 vacuum ports with G1/4 female thread

Advantages

- ◇ High efficient and energy-saving vacuum generator, can quickly reach the max. vacuum level
- ◇ The suitable vacuum generators can be selected according to different working conditions
- ◇ Simple installation structure, can be installed quickly
- ◇ Multiple suction cups can be connected at the same time
- ◇ Reduce product noise



Applications

- ◇ The working conditions where multiple suction cups are directly installed at the same time
- ◇ Applicable to the working conditions that require fast evacuation and low air consumption

Structure

- ◇ Housing can be freely matched with vacuum cartridges with different performance parameters
- ◇ The air supply port is directly inserted into the $\phi 8$ hose, the vacuum port is G1/4 female thread

How to order

AGX - S32-3
① ②

Series	② Specification
AGX	S32-3 (-75kPa) X40-3 (-95kPa)

AGX Series

Vacuum Generator

AIRBEST

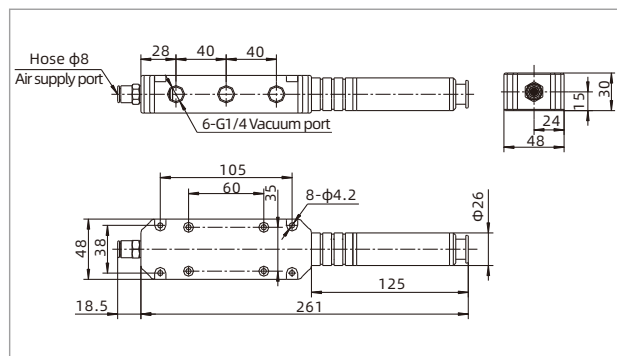
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AGX-S32-3	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
AGX-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)

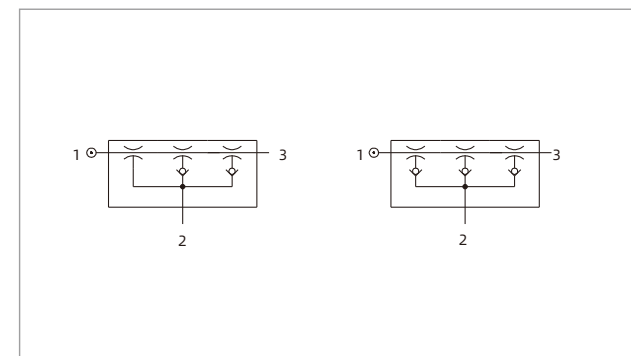
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AGX-S32-3	4.0	120	0.03	0.08	0.15	0.26	0.44	11.5	-	-	-	60
	5.0	125	0.03	0.07	0.13	0.23	0.38	27.3	1.07	-	-	70
	6.0	130	0.03	0.05	0.10	0.18	0.36	30.3	0.87	-	-	75
AGX-X40-3	4.5	120	0.03	0.07	0.13	0.23	0.38	24.5	0.97	1.50	3.25	91
	5.0	125	0.03	0.07	0.14	0.21	0.37	26.0	0.99	1.46	3.23	95
	6.0	135	0.03	0.05	0.10	0.16	0.27	26.0	0.86	1.45	3.92	94

Dimensions(mm)



AGX

AGX Air circuit schematic diagram



◇ Note: 1. Air supply port, 2. Vacuum port, 3. Exhaust port

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AGE Series

Mechanical Energy-saving Vacuum Generator

AIRBEST



GLASS



METAL SHEET

Features

- ◇ Mechanical energy saving mode, the generator itself automatically saves energy after the vacuum level reaches the set value, and then the air supply stops
- ◇ Optional energy saving function can save up to 99% of the air consumption
- ◇ Can adapt to a variety of working conditions, can work in dust and water environment
- ◇ Internal blow valve allows rapid release of workpiece and maintain vacuum in sealed applications in the event of system or power failure
- ◇ Internal filter is equipped to protect the device from dust and particles

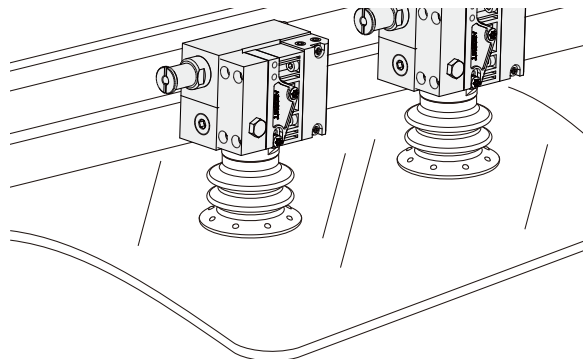
Advantages

- ◇ Energy-saving function is realized by the generator itself, electric control is not required
- ◇ Strong anti-pollution ability
- ◇ Energy-saving function, it can help customers to minimize the cost
- ◇ Two-stage generator, vacuum level can reach to -92kPa quickly



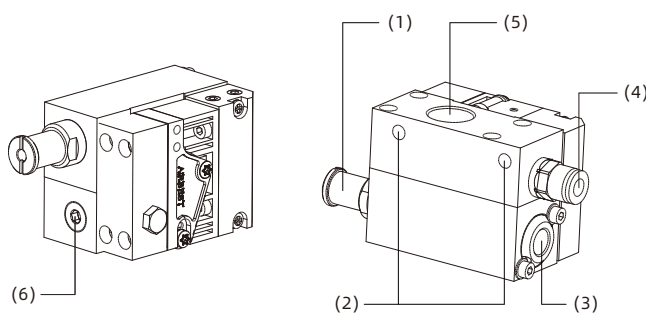
Applications

- ◇ Applicable to glass, metal sheet and other workpieces with good sealed surface
- ◇ Applicable to the occasions with water, dust and other places where the electric precision instrument can not work properly
- ◇ Suitable for glass grinding



Structure

- ◇ (1) Exhaust port
- ◇ (2) Mounting hole
- ◇ (3) Air supply port
- ◇ (4) Vacuum release port
- ◇ (5) Vacuum port
- ◇ (6) Vacuum detecting port



AGE Series

Mechanical Energy-saving Vacuum Generator

AIRBEST

How to order

AGE - ES

① ②

Series	Control device
AGE	Nil - Default, without control device ES - Energy-saving system

Selection

Model/Control device Nil	ES
AGE	AGE-ES

Technical parameters

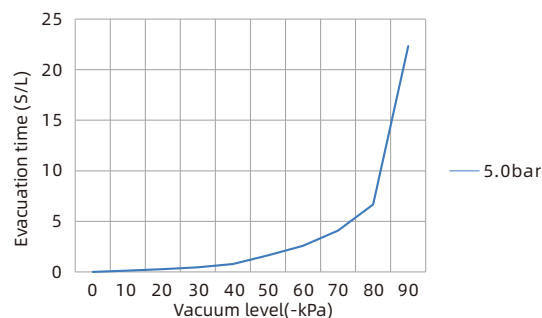
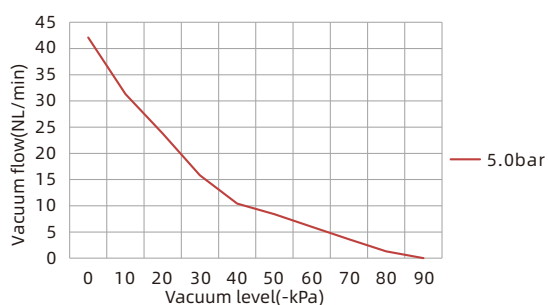
Model	Rated air supply pressure bar	Max.vacuum level -kPa	Max.vacuum flow NL/min	Noise level dB(A)	Weight g
AGE	5.0	92	41	68.5	177
AGE-ES	5.0	92	41	68.5	258

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	Max. vacuum level -kPa
AGE	5.0	29	42.1	31.3	23.8	15.8	10.4	8.4	6.0	3.6	1.3	0	92

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	90	Max. vacuum level -kPa
AGE	5.0	29	0.14	0.28	0.47	0.79	1.64	2.59	4.09	6.68	22.32	92



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

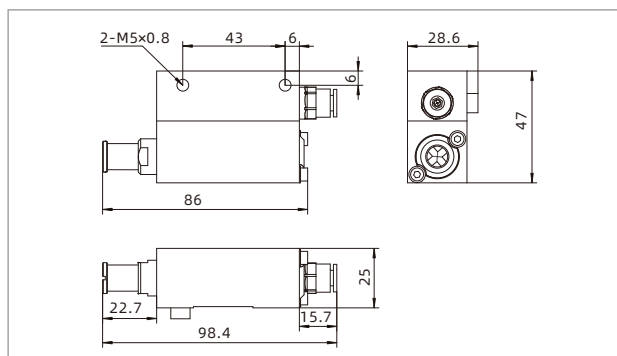
APB

AGE Series

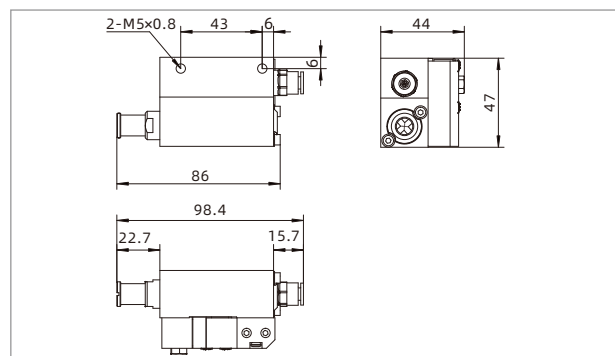
Mechanical Energy-saving Vacuum Generator



Dimensions(mm)

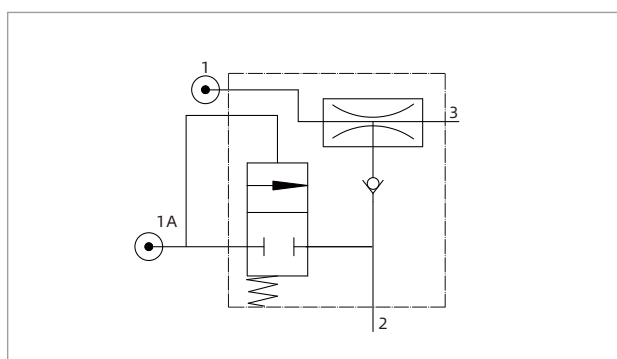


AGE

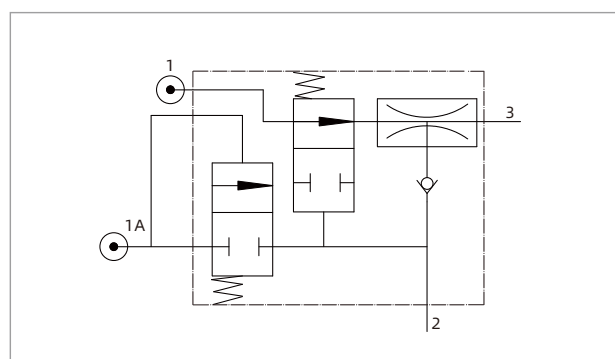


AGE-ES

Air circuit schematic diagram



AGE



AGE-ES

ABM/ABX Series

Mini Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



PLASTIC

Features

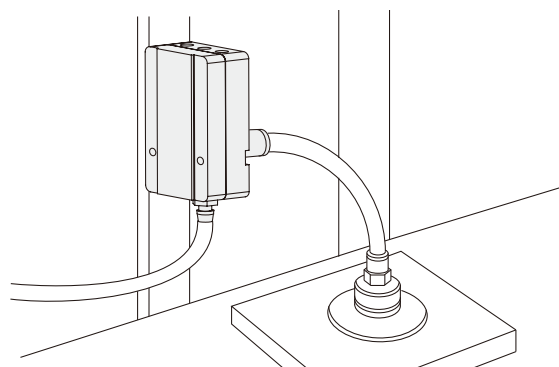
- ◇ Energy-efficient nozzle design
- ◇ Small size, light weight, can be connected with suction cup directly
- ◇ There are a variety of air port specifications (A,NA,B,NB,C,NC)
- ◇ Built-in silencer and external silencer are optional

Advantages

- ◇ It can produce more vacuum flow in the condition of less air consumption
- ◇ For the occasions with limited installation space and weight
- ◇ Suitable port connection specifications can be selected according to the on-site requirements
- ◇ It can meet different requirements of vacuum flow in different working conditions
- ◇ Reduce product noise greatly

Applications

- ◇ Universal vacuum generator, widely used in all kinds of vacuum systems
- ◇ Suitable for metal plate handling, packaging machinery, injection molding and industrial robot technology field



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

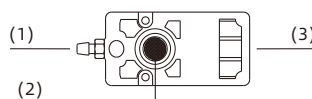
ACPS

APB

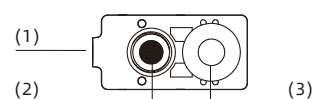
Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Exhaust port
- ◇ (4) Vacuum filter
- ◇ (5) Silencer

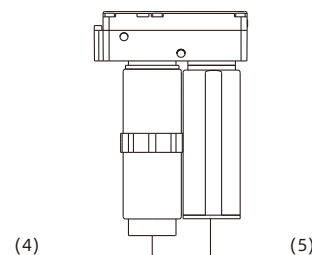
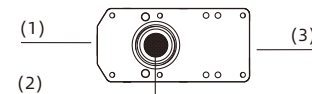
A NA type



C NC type



B NB type



ABM/ABX Series

Mini Vacuum Generator



How to order

ABM 10 - B - F
 ① ② ③ ④

Series	Specification	Port connection	④ Sealing
ABM - Universal type (-85kPa)	5	A NA	Nil - Default,NBR
ABX - High vacuum level type (-92kPa)	10	B NB	F - Fluorine rubber
	20	C NC	E - EPDM
	30	(Refer to table1)	

Port connection table1

Port connection	Air supply port	Vacuum port	Exhaust port	Applicable vacuum generator	
A	M5-φ6	G1/8	Internal silencer	ABM5、10	ABX5、10
NA	M5-φ6	NPSF1/8	Internal silencer	ABM5、10	ABX5、10
B	G1/8	G3/8	Internal silencer	ABM5、10、20、30	ABX5、10、20、30
NB	NPSF1/8	NPSF3/8	Internal silencer	ABM5、10、20、30	ABX5、10、20、30
C	G1/8	G3/8	External silencer	ABM5、10、20、30	ABX5、10、20、30
NC	NPSF1/8	NPSF3/8	External silencer	ABM5、10、20、30	ABX5、10、20、30

Selection - ABM

Model/ Specification	A	NA	B	NB	C	NC
ABM5-□	ABM5-A	ABM5-NA	ABM5-B	ABM5-NB	ABM5-C	ABM5-NC
ABM10-□	ABM10-A	ABM10-NA	ABM10-B	ABM10-NB	ABM10-C	ABM10-NC
ABM20-□	-	-	ABM20-B	ABM20-NB	ABM20-C	ABM20-NC
ABM30-□	-	-	ABM30-B	ABM30-NB	ABM30-C	ABM30-NC

Selection - ABX

Model/ Specification	A	NA	B	NB	C	NC
ABX5-□	ABX5-A	ABX5-NA	ABX5-B	ABX5-NB	ABX5-C	ABX5-NC
ABX10-□	ABX10-A	ABX10-NA	ABX10-B	ABX10-NB	ABX10-C	ABX10-NC
ABX20-□	-	-	ABX20-B	ABX20-NB	ABX20-C	ABX20-NC
ABX30-□	-	-	ABX30-B	ABX30-NB	ABX30-C	ABX30-NC

ABM/ABX Series

Mini Vacuum Generator



Technical parameters - ABM

Model	Air supply pressure range bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Recommended hose dia. mm	
							Air supply port P	Vacuum port V
ABM5	4.5~6.0	85	35~37	12~20	50~65	-20~80	φ6	φ8
ABM10	4.5~6.0	85	70~75	28~42	55~68	-20~80	φ6	φ10
ABM20	4.5~6.0	85	141~150	55~85	60~68	-20~80	φ8	φ12
ABM30	4.5~6.0	85	175~220	87~125	60~68	-20~80	φ10	φ12

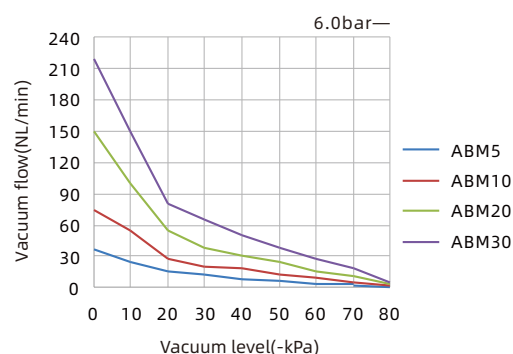
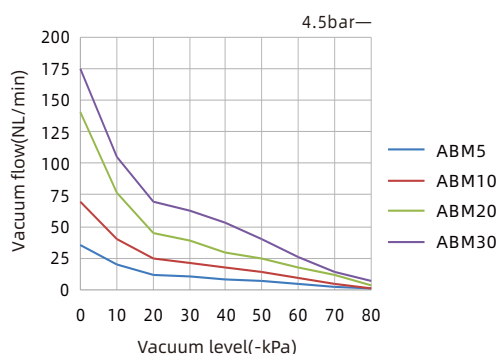
Technical parameters - ABX

Model	Air supply pressure range bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Recommended hose dia. mm	
							Air supply port P	Vacuum port V
ABX5	4.5~6.0	92	30~32	18~22	50~65	-20~80	φ6	φ8
ABX10	4.5~6.0	92	52~63	31~40	55~68	-20~80	φ6	φ10
ABX20	4.5~6.0	92	110~125	79~89	60~69	-20~80	φ8	φ12
ABX30	4.5~6.0	92	180~185	128~137	60~69	-20~80	φ10	φ12

◇ Note: Max. air supply pressure is 7.0 bar

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
ABM5	4.5	12	35.0	20.5	12.0	10.5	8.5	6.5	4.5	2.5	0.8	85
ABM10	4.5	28	70.0	40.5	25.0	21.0	18.0	14.0	9.5	5.0	1.3	85
ABM20	4.5	55	141.0	77.0	45.0	39.5	29.5	25.0	17.5	12.0	3.0	85
ABM30	4.5	87	175.0	105.0	70.0	63.0	53.0	40.0	26.0	14.0	6.5	85
ABM5	6.0	20	37.0	25.0	15.5	12.0	8.0	6.0	4.0	2.7	0.6	85
ABM10	6.0	42	75.0	55.0	27.0	20.0	18.0	12.0	9.0	5.0	2.0	85
ABM20	6.0	85	150.0	100.0	55.0	38.0	30.0	24.0	16.0	11.0	3.2	85
ABM30	6.0	125	220.0	150.0	81.0	65.0	50.0	38.0	27.0	18.0	5.0	85



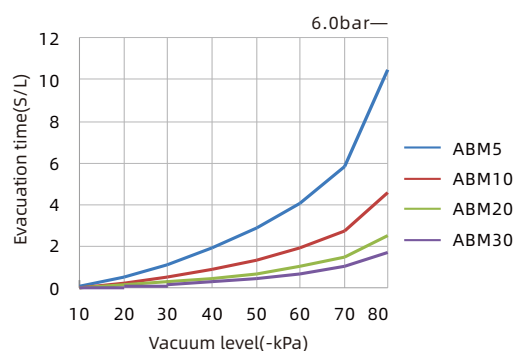
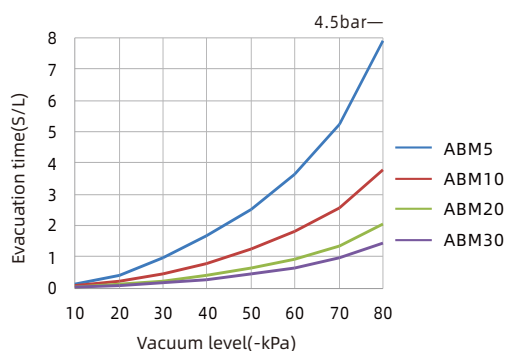
ABM/ABX Series

Mini Vacuum Generator



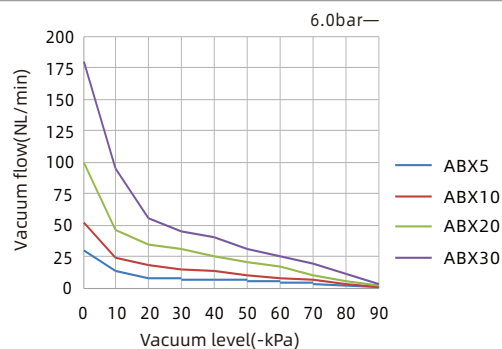
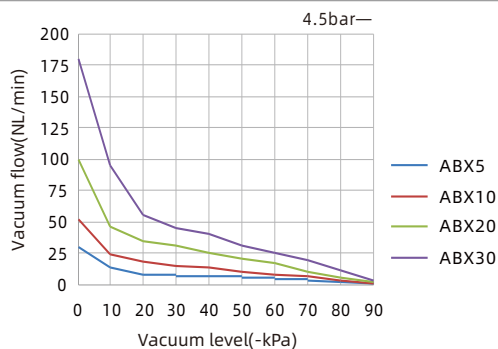
Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ABM5	4.5	12	0.11	0.42	0.95	1.66	2.50	3.65	5.25	7.89	85
ABM10	4.5	28	0.08	0.20	0.44	0.80	1.24	1.80	2.55	3.80	85
ABM20	4.5	55	0.04	0.12	0.23	0.41	0.65	0.93	1.33	2.03	85
ABM30	4.5	87	0.03	0.09	0.16	0.27	0.43	0.66	0.95	1.43	85
ABM5	6.0	20	0.13	0.51	1.15	1.93	2.87	4.09	5.84	10.46	85
ABM10	6.0	42	0.03	0.23	0.53	0.92	1.37	1.95	2.77	4.62	85
ABM20	6.0	85	0.02	0.15	0.28	0.46	0.71	1.02	1.48	2.55	85
ABM30	6.0	125	0.02	0.08	0.14	0.31	0.49	0.69	1.02	1.75	85



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	Max. vacuum level -kPa
ABX5	4.5	18	30.0	13.0	7.5	7.0	6.0	5.0	4.0	3.2	1.8	0.4	92
ABX10	4.5	31	52.0	24.0	18.0	15.0	13.0	10.5	8.0	6.0	2.5	0.8	92
ABX20	4.5	79	100.0	46.0	34.0	30.5	25.0	21.0	17.0	10.5	5.0	1.6	92
ABX30	5.0	128	180.0	95.0	55.0	45.5	40.5	30.5	25.0	19.0	11.5	3.0	92
ABX5	6.0	22	32.0	20.0	8.5	7.5	6.0	5.0	4.0	3.0	1.5	0.15	92
ABX10	6.0	40	63.0	36.0	18.0	16.0	12.5	10.5	8.5	6.0	3.5	0.5	92
ABX20	6.0	89	125.0	73.0	35.0	30.0	25.0	22.0	18.0	12.0	7.0	0.9	92
ABX30	6.0	137	185.0	103.0	51.0	46.0	38.0	31.0	25.0	19.0	12.0	1.8	92



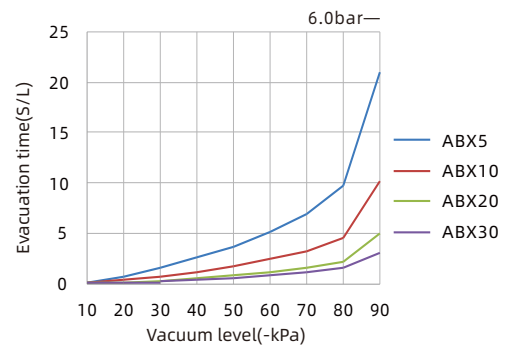
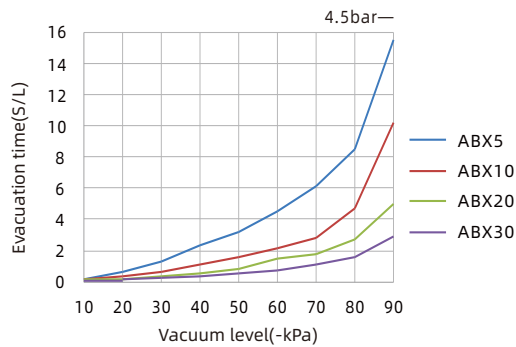
ABM/ABX Series

Mini Vacuum Generator

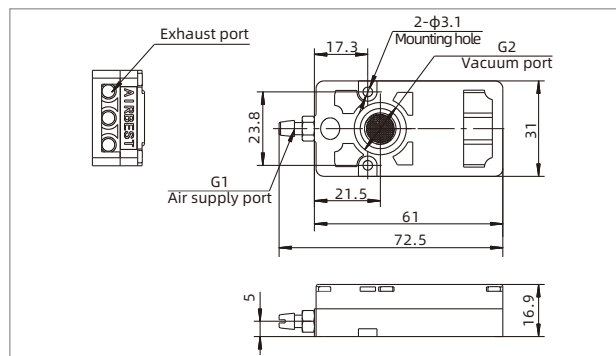
AIRBEST

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	90	Max. vacuum level -kPa
ABX5	4.5	18	0.13	0.60	1.26	2.30	3.20	4.50	6.15	8.50	15.50	92
ABX10	4.5	31	0.11	0.30	0.65	1.10	1.55	2.15	2.85	4.70	10.20	92
ABX20	4.5	79	0.09	0.16	0.32	0.55	0.80	1.50	1.80	2.70	5.00	92
ABX30	5.0	128	0.06	0.12	0.23	0.36	0.53	0.76	1.10	1.60	2.90	92
ABX5	6.0	22	0.15	0.71	1.52	2.54	3.72	5.12	6.95	9.70	21.00	92
ABX10	6.0	40	0.09	0.32	0.71	1.18	1.74	2.40	3.26	4.55	10.20	92
ABX20	6.0	89	0.05	0.15	0.31	0.52	0.77	1.08	1.54	2.15	4.92	92
ABX30	6.0	137	0.03	0.13	0.23	0.38	0.58	0.82	1.11	1.54	3.00	92



Dimensions(mm)



ABM5-A/NA ABM10-A/NA
ABX5-A/NA ABX10-A/NA

Model/size	G1	G2	Weight g
ABM/ABX5-A	φ6	G1/8	58
ABM/ABX5-NA	φ6	NPSF1/8	58
ABM/ABX10-A	φ6	G1/8	59
ABM/ABX10-NA	φ6	NPSF1/8	59

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

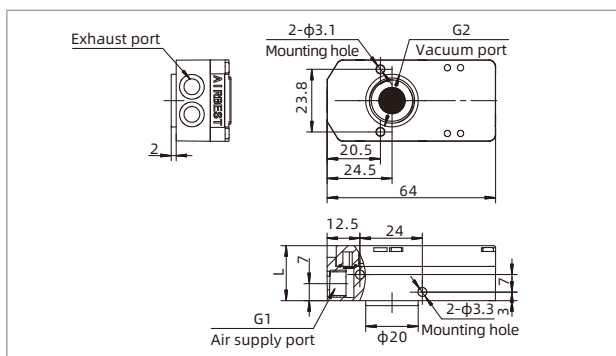
APB

ABM/ABX Series

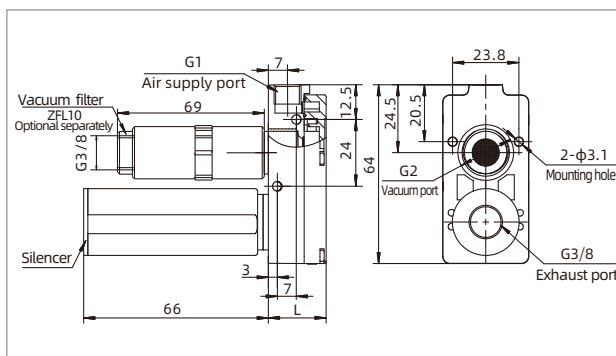
Mini Vacuum Generator



Dimensions(mm)



ABM(5-30)-B/NB ABX(5-30)-B/NB

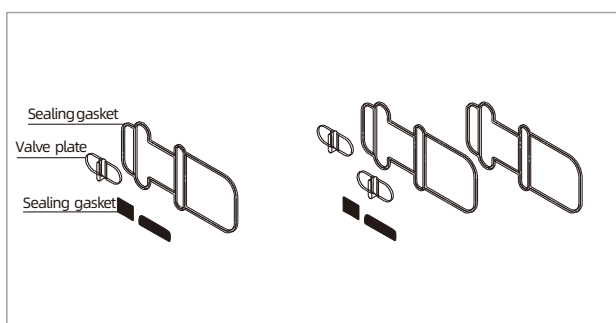


ABM(5-30)-C/NC ABX(5-30)-C/NC

Model/size	G1	G2	L	Weight g
ABM/ABX5-B	G1/8	G3/8	20.7	64
ABM/ABX5-NB	NPSF1/8	NPSF3/8	20.7	64
ABM/ABX10-B	G1/8	G3/8	20.7	64
ABM/ABX10-NB	NPSF1/8	NPSF3/8	20.7	64
ABM/ABX20-B	G1/8	G3/8	28	77
ABM/ABX20-NB	NPSF1/8	NPSF3/8	28	77
ABM/ABX30-B	G1/8	G3/8	35	89
ABM/ABX30-NB	NPSF1/8	NPSF3/8	35	89

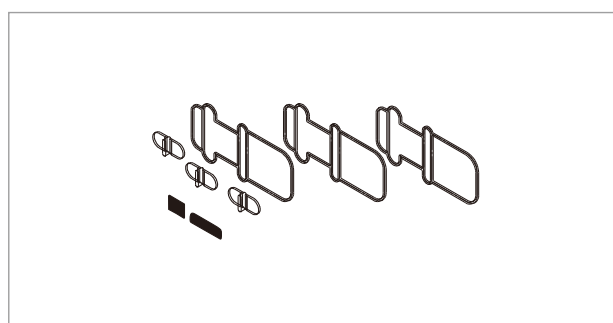
Model/size	G1	G2	L	Weight g
ABM/ABX5-C	G1/8	G3/8	20.7	84
ABM/ABX5-NC	NPSF1/8	NPSF3/8	20.7	84
ABM/ABX10-C	G1/8	G3/8	20.7	87
ABM/ABX10-NC	NPSF1/8	NPSF3/8	20.7	87
ABM/ABX20-C	G1/8	G3/8	28	100
ABM/ABX20-NC	NPSF1/8	NPSF3/8	28	100
ABM/ABX30-C	G1/8	G3/8	35	112
ABM/ABX30-NC	NPSF1/8	NPSF3/8	35	112

Repair kits



ABM10-PK

ABM20-PK



ABM30-PK

Item	Sealing kits model NBR			Model	Applicable vacuum generator
Sealing kits	ABM10-PK	ABM10-F-PK	ABM10-E-PK	-	ABM/ABX(5-10)
Sealing kits	ABM20-PK	ABM20-F-PK	ABM20-E-PK	-	ABM/ABX20
Sealing kits	ABM30-PK	ABM30-F-PK	ABM30-E-PK	-	ABM/ABX30
Vacuum filter	-	-	-	ZFL10	ABM/ABX(5-30)-B,NB,C,NC
Silencer	-	-	-	ZSA-G3M	ABM/ABX(5-30)-C,NC

ABM/ABX Series

Mini Combined Type Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



PLASTIC

Features

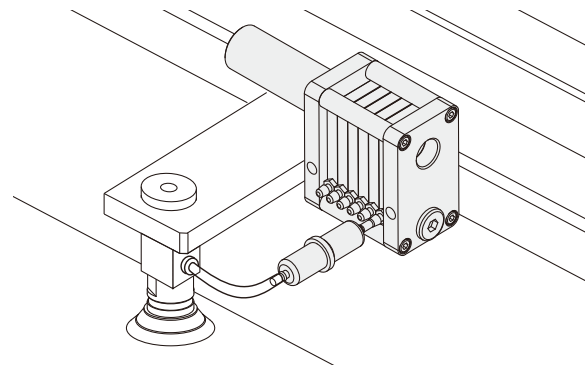
- ◇ Energy-efficient nozzle design
- ◇ Small size, light weight, compact structure, easy installation
- ◇ Can be operated with a single pneumatic control valve, each vacuum circuit can be controlled by each ABM/ABX and does not affect the running of other circuits

Advantages

- ◇ It can produce more vacuum flow in the condition of less air consumption
- ◇ For the occasions with limited installation space and weight
- ◇ It is convenient to control, it can control each circuit separately in the working condition of multiple units are used separately
- ◇ It can meet different requirements of vacuum flow in different working conditions

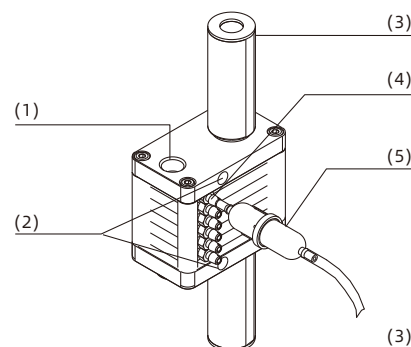
Applications

- ◇ Universal vacuum generator, widely used in all kinds of vacuum systems
- ◇ Suitable for metal plate handling, packaging machinery, injection molding and industrial robot technology field



Structure

- ◇ (1) Air supply port
- ◇ (2) Mounting hole
- ◇ (3) Silencer
- ◇ (4) Vacuum port
- ◇ (5) Vacuum filter



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ABM/ABX Series

Mini Combined Type Vacuum Generator



How to order

ABM 5 × 5 - 4 - F
 ① ② ③ ④ ⑤

Series	Specification	Vacuum stack	④ Hose inner dia.at vacuum port	⑤ Sealing
ABM - Universal type(-85kPa)	5	2	4 - ϕ4mm	Nil - Default, NBR
ABX - High vacuum level type(-92kPa)	10	3		F - Fluorine rubber
				E - EPDM
		16		

Selection

Model/ Specification	5	10	Model/ Specification	5	10
ABM□×2-4	ABM5×2-4	ABM10×2-4	ABX□×2-4	ABX5×2-4	ABX10×2-4
ABM□×3-4	ABM5×3-4	ABM10×3-4	ABX□×3-4	ABX5×3-4	ABX10×3-4
ABM□×4-4	ABM5×4-4	ABM10×4-4	ABX□×4-4	ABX5×4-4	ABX10×4-4
ABM□×5-4	ABM5×5-4	ABM10×5-4	ABX□×5-4	ABX5×5-4	ABX10×5-4
ABM□×6-4	ABM5×6-4	ABM10×6-4	ABX□×6-4	ABX5×6-4	ABX10×6-4
ABM□×7-4	ABM5×7-4	ABM10×7-4	ABX□×7-4	ABX5×7-4	ABX10×7-4
ABM□×8-4	ABM5×8-4	ABM10×8-4	ABX□×8-4	ABX5×8-4	ABX10×8-4
ABM□×9-4	ABM5×9-4	ABM10×9-4	ABX□×9-4	ABX5×9-4	ABX5×9-4
ABM□×10-4	ABM5×10-4	ABM10×10-4	ABX□×10-4	ABX5×10-4	ABX5×10-4
ABM□×11-4	ABM5×11-4	ABM10×11-4	ABX□×11-4	ABX5×11-4	ABX5×11-4
ABM□×12-4	ABM5×12-4	ABM10×12-4	ABX□×12-4	ABX5×12-4	ABX5×12-4
ABM□×13-4	ABM5×13-4	ABM10×13-4	ABX□×13-4	ABX5×13-4	-
ABM□×14-4	ABM5×14-4	ABM10×14-4	ABX□×14-4	ABX5×14-4	-
ABM□×15-4	ABM5×15-4	ABM10×15-4	ABX□×15-4	ABX5×15-4	-
ABM□×16-4	ABM5×16-4	ABM10×16-4	ABX□×16-4	ABX5×16-4	-

ABM/ABX Series

Mini Combined Type Vacuum Generator



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)	Working temperature °C	Weight g	Air supply port P	Vacuum port V	Exhaust port E
ABM5×2-4	4.5~6.0	85	25×2	29~41	50~60	-20~80	67	φ6	φ6	G3/8×1
ABM5×3-4	4.5~6.0	85	25×3	44~64	50~60	-20~80	80	φ6	φ6	G3/8×1
ABM5×4-4	4.5~6.0	85	25×4	61~85	50~60	-20~80	247	φ8	φ6	G3/8×1
ABM5×5-4	4.5~6.0	85	25×5	71~104	60~65	-20~80	255	φ8	φ6	G3/8×1
ABM5×6-4	4.5~6.0	85	25×6	89~125	60~65	-20~80	281	φ8	φ6	G3/8×1
ABM5×7-4	4.5~6.0	85	25×7	104~145	60~65	-20~80	299	φ8	φ6	G3/8×1
ABM5×8-4	4.5~6.0	85	25×8	120~168	60~65	-20~80	317	φ10	φ6	G3/8×1
ABM5×9-4	4.5~6.0	85	25×9	132~190	60~65	-20~80	335	φ10	φ6	G3/8×1
ABM5×10-4	4.5~6.0	85	25×10	148~211	60~65	-20~80	353	φ10	φ6	G3/8×1
ABM5×11-4	4.5~6.0	85	25×11	165~232	60~65	-20~80	371	φ10	φ6	G3/8×1
ABM5×12-4	4.5~6.0	85	25×12	180~252	60~65	-20~80	389	φ10	φ6	G3/8×2
ABM5×13-4	4.5~6.0	85	25×13	195~275	60~65	-20~80	417	φ10	φ6	G3/8×2
ABM5×14-4	4.5~6.0	85	25×14	208~293	60~65	-20~80	435	φ10	φ6	G3/8×2
ABM5×15-4	4.5~6.0	85	25×15	225~316	60~65	-20~80	453	φ12	φ6	G3/8×2
ABM5×16-4	4.5~6.0	85	25×16	241~335	60~65	-20~80	471	φ12	φ6	G3/8×2
ABM10×2-4	4.5~6.0	85	32×2	61~85	55~60	-20~80	67	φ8	φ6	G3/8×1
ABM10×3-4	4.5~6.0	85	32×3	91~125	60~65	-20~80	80	φ8	φ6	G3/8×1
ABM10×4-4	4.5~6.0	85	32×4	121~167	60~65	-20~80	247	φ10	φ6	G3/8×1
ABM10×5-4	4.5~6.0	85	32×5	151~212	60~65	-20~80	255	φ10	φ6	G3/8×1
ABM10×6-4	4.5~6.0	85	32×6	185~255	60~65	-20~80	281	φ10	φ6	G3/8×2
ABM10×7-4	4.5~6.0	85	32×7	211~295	60~65	-20~80	299	φ10	φ6	G3/8×2
ABM10×8-4	4.5~6.0	85	32×8	241~335	60~65	-20~80	327	φ10	φ6	G3/8×2
ABM10×9-4	4.5~6.0	85	32×9	271~376	60~65	-20~80	345	φ12	φ6	G3/8×2
ABM10×10-4	4.5~6.0	85	32×10	301~421	60~65	-20~80	363	φ12	φ6	G3/8×2
ABM10×11-4	4.5~6.0	85	32×11	332~463	60~65	-20~80	381	φ12	φ6	G3/8×2
ABM10×12-4	4.5~6.0	85	32×12	361~505	60~65	-20~80	399	φ12	φ6	G3/8×2

◇ Note: Max. air supply pressure is 7.0 bar

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	Max. vacuum level -kPa
ABM5×1	6.0	20	25.0	15.0	12.5	11.0	10.0	7.5	5.5	2.0	0.6	-	85
ABM10×1	6.0	42	32.0	28.0	24.0	22.0	18.0	15.0	11.0	5.0	1.4	-	85

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	90	Max. vacuum level -kPa
ABM5×1	6.0	20	0.20	0.59	1.10	1.58	2.40	3.52	5.30	10.30	-	85
ABM10×1	6.0	42	0.12	0.28	0.60	0.81	1.18	1.82	2.65	5.21	-	85

Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AECV
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

ABM/ABX Series

Mini Combined Type Vacuum Generator



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)	Working temperature °C	Weight g	Recommended hose dia. mm		
								Air supply port P	Vacuum port V	Exhaust port E
ABX5×2-4	4.5~6.0	92	23×2	43~49	55~60	-20~80	67	φ6	φ6	G3/8×1
ABX5×3-4	4.5~6.0	92	23×3	65~73	55~60	-20~80	80	φ6	φ6	G3/8×1
ABX5×4-4	4.5~6.0	92	23×4	85~96	60~63	-20~80	247	φ8	φ6	G3/8×1
ABX5×5-4	4.5~6.0	92	23×5	106~121	60~63	-20~80	255	φ8	φ6	G3/8×1
ABX5×6-4	4.5~6.0	92	23×6	130~144	60~63	-20~80	281	φ8	φ6	G3/8×1
ABX5×7-4	4.5~6.0	92	23×7	151~167	60~63	-20~80	299	φ8	φ6	G3/8×1
ABX5×8-4	4.5~6.0	92	23×8	173~193	60~63	-20~80	317	φ10	φ6	G3/8×1
ABX5×9-4	4.5~6.0	92	23×9	195~217	60~63	-20~80	335	φ10	φ6	G3/8×1
ABX5×10-4	4.5~6.0	92	23×10	215~241	60~63	-20~80	353	φ10	φ6	G3/8×1
ABX5×11-4	4.5~6.0	92	23×11	238~265	60~63	-20~80	371	φ10	φ6	G3/8×1
ABX5×12-4	4.5~6.0	92	23×12	260~289	60~63	-20~80	389	φ10	φ6	G3/8×2
ABX5×13-4	4.5~6.0	92	23×13	281~313	60~63	-20~80	417	φ10	φ6	G3/8×2
ABX5×14-4	4.5~6.0	92	23×14	335~346	60~63	-20~80	435	φ10	φ6	G3/8×2
ABX5×15-4	4.5~6.0	92	23×15	361~389	63~65	-20~80	453	φ10	φ6	G3/8×2
ABX5×16-4	4.5~6.0	92	23×16	346~385	63~65	-20~80	471	φ10	φ6	G3/8×2
ABX10×2-4	4.5~6.0	92	32×2	87~96	63~65	-20~80	67	φ8	φ6	G3/8×1
ABX10×3-4	4.5~6.0	92	32×3	130~145	63~65	-20~80	80	φ8	φ6	G3/8×1
ABX10×4-4	4.5~6.0	92	32×4	173~193	63~65	-20~80	247	φ10	φ6	G3/8×1
ABX10×5-4	4.5~6.0	92	32×5	215~241	63~65	-20~80	255	φ10	φ6	G3/8×1
ABX10×6-4	4.5~6.0	92	32×6	260~288	63~65	-20~80	281	φ10	φ6	G3/8×2
ABX10×7-4	4.5~6.0	92	32×7	303~337	63~65	-20~80	299	φ10	φ6	G3/8×2
ABX10×8-4	4.5~6.0	92	32×8	346~385	63~65	-20~80	327	φ10	φ6	G3/8×2
ABX10×9-4	4.5~6.0	92	32×9	389~433	63~65	-20~80	345	φ12	φ6	G3/8×2
ABX10×10-4	4.5~6.0	92	32×10	433~481	63~65	-20~80	363	φ12	φ6	G3/8×2
ABX10×11-4	4.5~6.0	92	32×11	476~529	63~65	-20~80	381	φ12	φ6	G3/8×2
ABX10×12-4	4.5~6.0	92	32×12	519~578	63~65	-20~80	399	φ12	φ6	G3/8×2

◇ Note: Max. air supply pressure is 7.0 bar.

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	Max. vacuum level -kPa
ABX5×1	6.0	22	23.0	14.0	10.0	9.0	7.5	6.0	4.0	2.8	1.5	0.44	92
ABX10×1	6.0	40	32.0	21.0	18.0	16.0	14.0	11.0	9.5	5.5	2.5	1.10	92

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

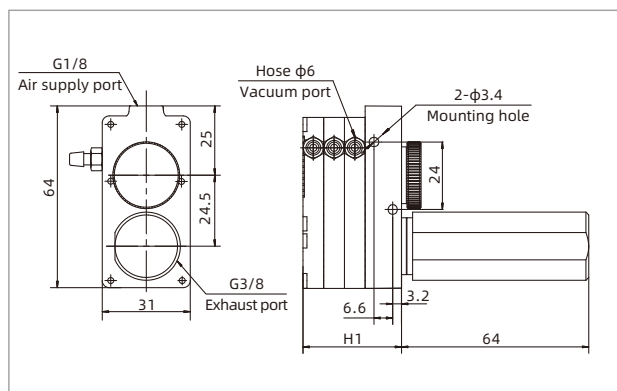
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
ABX5×1	6.0	22	0.21	0.81	1.52	2.35	3.48	4.85	6.57	10.50	19.30	92
ABX10×1	6.0	40	0.14	0.40	0.78	1.22	1.77	2.40	3.30	4.95	9.62	92

ABM/ABX Series

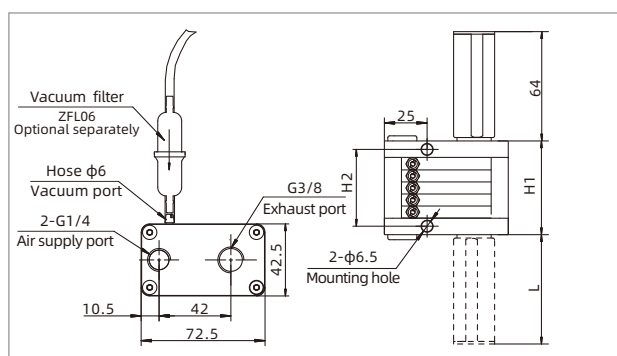
Mini Combined Type Vacuum Generator



Dimensions(mm)



ABM/ABX□×2-4 ABM/ABX□×3-4



ABM/ABX□× (4-8)-4

Model/size	H1	H2	L
ABM/ABX5×2-4	28	-	-
ABM/ABX5×3-4	36	-	-
ABM/ABX5×4-4	50.5	40.5	-
ABM/ABX5×5-4	58	48	-
ABM/ABX5×6-4	65.5	55.5	-
ABM/ABX5×7-4	73	63	-
ABM/ABX5×8-4	80	70	-
ABM/ABX5×9-4	87.5	77.5	-
ABM/ABX5×10-4	95	85	-
ABM/ABX5×11-4	102.5	92.5	-
ABM/ABX5×12-4	110	100	64
ABM/ABX5×13-4	117.5	107.5	64
ABM/ABX5×14-4	125	115	64
ABM/ABX5×15-4	132.5	122.5	64
ABM/ABX5×16-4	140	130	64

Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

Model/size	H1	H2	L
ABM/ABX10×2-4	28	-	-
ABM/ABX10×3-4	36	-	-
ABM/ABX10×4-4	50.5	40.5	-
ABM/ABX10×5-4	58	48	-
ABM/ABX10×6-4	65.5	55.5	-
ABM/ABX10×7-4	73	63	-
ABM/ABX10×8-4	80	70	-
ABM/ABX10×9-4	87.5	77.5	-
ABM/ABX10×10-4	95	85	-
ABM/ABX10×11-4	102.5	92.5	-
ABM/ABX10×12-4	110	100	64

Repair kits

Item	Model
Vacuum filter	ZFL06
Silencer	ZSA-G3M

AMC Series

Multistage Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



WOOD



COMPOSITE MATERIAL

RoHS

Features

- ◇ High efficient and energy-saving multistage nozzle design
- ◇ Large vacuum flow
- ◇ Internal vacuum cartridges can be stacked assembly
- ◇ Various specifications of air supply port and vacuum port
- ◇ Energy-saving control device is optional

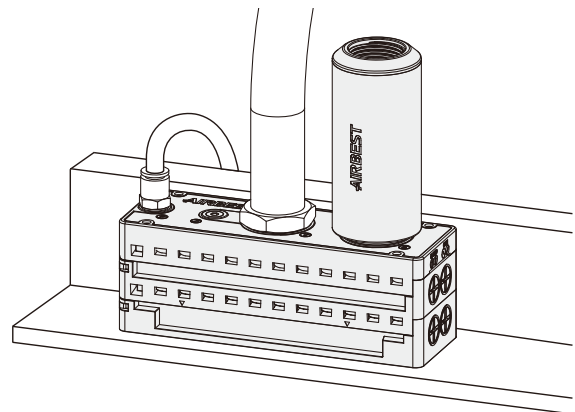
Advantages

- ◇ Quick evacuation in low vacuum level range, reduce cost and shorten working cycle
- ◇ Producing large vacuum flow to handle porous workpieces fast and safely
- ◇ It can meet different requirements of vacuum flow in different working conditions
- ◇ It can be connected with different threads
- ◇ It is energy-saving when handling airtight workpieces



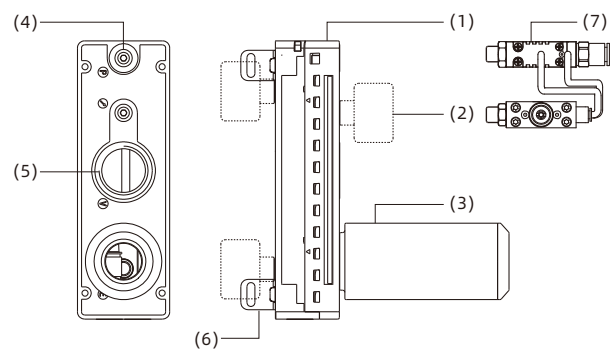
Applications

- ◇ The multistage vacuum generator is suitable for handling cartons, packaging materials and porous materials
- ◇ It is used in the working condition requiring large vacuum flow, fast evacuation speed and less air consumption



Structure

- ◇ (1) Main body
- ◇ (2) Vacuum gauge
- ◇ (3) Silencer
- ◇ (4) Air supply port
- ◇ (5) Vacuum port
- ◇ (6) L-type mounting bracket
- ◇ (7) ES energy saving system



AMC Series

Multistage Vacuum Generator



How to order

AMC 25 L - AA - V - ES

① ② ③ ④ ⑤ ⑥

Series	Specification	Performance	④ Connection plate	⑤ Non-return valve	⑥ Control device
AMC	25	H - High vacuum level	AA	Nil - Default, without	Nil - Default, Without control device
	50	(-95kPa)	BA	non-return valve	ES - Energy saving system
	75	L - Large vacuum flow	CA	V - With non-return valve	
	100	(-75kPa)	DB		
	125		CC		
	150				

Connection plate specifications

Connection plate	Air supply port ⁽¹⁾	Vacuum port ⁽²⁾	Exhaust port ⁽³⁾	Applicable vacuum generator
AA	G1/8	G3/4	G1"	AMC25, 50
BA	NPSF1/8	G3/4	G1"	AMC25, 50
CA	G1/4	G3/4	G1"	AMC25, 50, 75, 100
DB	NPT1/4	NPT3/4	G1"	AMC25, 50, 75, 100
CC	G1/4	G1"	G1"	AMC25, 50, 75, 100, 125, 150

Selection - L (Large Vacuum flow type)

Model/ Specification	25	50	75	100	125	150
AMC□L-AA	AMC25L-AA	AMC50L-AA	-	-	-	-
AMC□L-AA-V	AMC25L-AA-V	AMC50L-AA-V	-	-	-	-
AMC□L-AA-V-ES	AMC25L-AA-V-ES	AMC50L-AA-V-ES	-	-	-	-
AMC□L-BA	AMC25L-BA	AMC50L-BA	-	-	-	-
AMC□L-BA-V	AMC25L-BA-V	AMC50L-BA-V	-	-	-	-
AMC□L-CA	AMC25L-CA	AMC50L-CA	AMC75L-CA	AMC100L-CA	-	-
AMC□L-CA-V	AMC25L-CA-V	AMC50L-CA-V	AMC75L-CA-V	AMC100L-CA-V	-	-
AMC□L-CA-V-ES	-	-	AMC75L-CA-V-ES	AMC100L-CA-V-ES	-	-
AMC□L-DB	AMC25L-DB	AMC50L-DB	AMC75L-DB	AMC100L-DB	-	-
AMC□L-DB-V	AMC25L-DB-V	AMC50L-DB-V	AMC75L-DB-V	AMC100L-DB-V	-	-
AMC□L-CC	AMC25L-CC	AMC50L-CC	AMC75L-CC	AMC100L-CC	AMC125L-CC	AMC150L-CC
AMC□L-CC-V	AMC25L-CC-V	AMC50L-CC-V	AMC75L-CC-V	AMC100L-CC-V	AMC125L-CC-V	AMC150L-CC-V
AMC□L-CC-V-ES	AMC25L-CC-V-ES	AMC50L-CC-V-ES	AMC75L-CC-V-ES	AMC100L-CC-V-ES	AMC125L-CC-V-ES	AMC150L-CC-V-ES

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AMC Series

Multistage Vacuum Generator



Selection - H (High vacuum level type)

Model/ Specification	25	50	75	100	125	150
AMC□H-AA	AMC25H-AA	AMC50H-AA	-	-	-	-
AMC□H-AA-V	AMC25H-AA-V	AMC50H-AA-V	-	-	-	-
AMC□H-AA-V-ES	AMC25H-AA-V-ES	AMC50H-AA-V-ES	-	-	-	-
AMC□H-BA	AMC25H-BA	AMC50H-BA	-	-	-	-
AMC□H-BA-V	AMC25H-BA-V	AMC50H-BA-V	-	-	-	-
AMC□H-CA	AMC25H-CA	AMC50H-CA	AMC75H-CA	AMC100H-CA	-	-
AMC□H-CA-V	AMC25H-CA-V	AMC50H-CA-V	AMC75H-CA-V	AMC100H-CA-V	-	-
AMC□H-CA-V-ES	-	-	AMC75H-CA-V-ES	AMC100H-CA-V-ES	-	-
AMC□H-DB	AMC25H-DB	AMC50H-DB	AMC75H-DB	AMC100H-DB	-	-
AMC□H-DB-V	AMC25H-DB-V	AMC50H-DB-V	AMC75H-DB-V	AMC100H-DB-V	-	-
AMC□H-CC	AMC25H-CC	AMC50H-CC	AMC75H-CC	AMC100H-CC	AMC125H-CC	AMC150H-CC
AMC□H-CC-V	AMC25H-CC-V	AMC50H-CC-V	AMC75H-CC-V	AMC100H-CC-V	AMC125H-CC-V	AMC150H-CC-V
AMC□H-CC-V-ES	AMC25H-CC-V-ES	AMC50H-CC-V-ES	AMC75H-CC-V-ES	AMC100H-CC-V-ES	AMC125H-CC-V-ES	AMC150H-CC-V-ES

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Vacuum chamber volume cm ³	Recommended hose dia. mm	
									Air supply port P	Vacuum port V
AMC25L	6.0	75	360	130	63~68	-10~80	430	140	φ8	φ25
AMC50L	6.0	75	710	260	63~68	-10~80	435	140	φ8	φ25
AMC75L	6.0	75	1,050	390	63~68	-10~80	625	245	φ10	φ32
AMC100L	6.0	75	1,410	520	63~68	-10~80	630	245	φ10	φ32
AMC125L	6.0	75	1,500	650	63~68	-10~80	825	352	φ12	φ32
AMC150L	6.0	75	1,690	780	63~68	-10~80	830	352	φ12	φ32
AMC25H	5.0	95	354	135	63~68	-10~80	430	140	φ8	φ25
AMC50H	5.0	95	700	270	63~68	-10~80	435	140	φ8	φ25
AMC75H	5.0	95	980	405	63~68	-10~80	625	245	φ10	φ32
AMC100H	5.0	95	1,380	540	63~68	-10~80	630	245	φ10	φ32
AMC125H	5.0	95	1,480	675	63~68	-10~80	825	352	φ12	φ32
AMC150H	5.0	95	1,650	810	63~68	-10~80	830	352	φ12	φ32

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
AMC25L	6.0	130	360	210	156	102	54	36	30	21	75
AMC50L	6.0	260	710	420	312	204	108	72	60	42	75
AMC75L	6.0	390	1,050	630	468	306	162	108	90	66	75
AMC100L	6.0	520	1,410	840	624	408	216	144	120	84	75
AMC125L	6.0	650	1,500	948	744	510	270	180	150	126	75
AMC150L	6.0	780	1,690	1,074	888	612	324	216	180	132	75

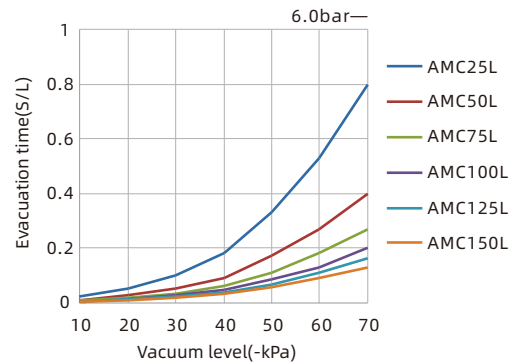
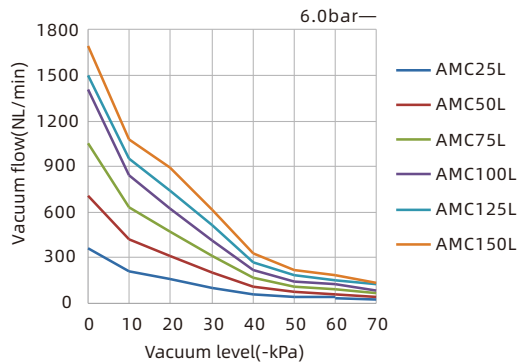
AMC Series

Multistage Vacuum Generator

AIRBEST

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	Max. vacuum level -kPa
AMC25L	6.0	130	0.020	0.050	0.100	0.180	0.330	0.530	0.800	75
AMC50L	6.0	260	0.010	0.025	0.050	0.090	0.170	0.270	0.400	75
AMC75L	6.0	390	0.007	0.017	0.033	0.060	0.110	0.180	0.270	75
AMC100L	6.0	520	0.005	0.013	0.025	0.045	0.083	0.130	0.200	75
AMC125L	6.0	650	0.005	0.012	0.022	0.036	0.066	0.110	0.160	75
AMC150L	6.0	780	0.004	0.010	0.018	0.030	0.055	0.090	0.130	75



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	Max. vacuum level -kPa
AMC25H	5.0	135	354	180	120	78	43.8	34.8	25.8	19.2	10.8	1.8	95
AMC50H	5.0	270	700	360	240	156	87.6	69.6	51.6	38.4	21.6	3.6	95
AMC75H	5.0	405	980	540	360	234	131.4	104.4	77.4	57.6	32.4	5.4	95
AMC100H	5.0	540	1,380	720	480	312	175.2	139.2	103.2	76.8	43.2	7.2	95
AMC125H	5.0	675	1,480	810	570	390	219.0	174.0	129.0	96.0	54.0	9.0	95
AMC150H	5.0	810	1,650	918	684	468	262.8	206.4	154.8	115.2	64.8	10.8	95

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	90	Max. vacuum level -kPa
AMC25H	5.0	135	0.022	0.062	0.120	0.220	0.37	0.57	0.84	1.20	2.20	95
AMC50H	5.0	270	0.011	0.031	0.060	0.110	0.19	0.29	0.42	0.60	1.10	95
AMC75H	5.0	405	0.007	0.021	0.040	0.070	0.12	0.19	0.28	0.40	0.73	95
AMC100H	5.0	540	0.006	0.016	0.030	0.055	0.09	0.14	0.21	0.30	0.55	95
AMC125H	5.0	675	0.005	0.014	0.026	0.044	0.07	0.11	0.17	0.24	0.44	95
AMC150H	5.0	810	0.005	0.012	0.022	0.040	0.06	0.10	0.14	0.20	0.37	95

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

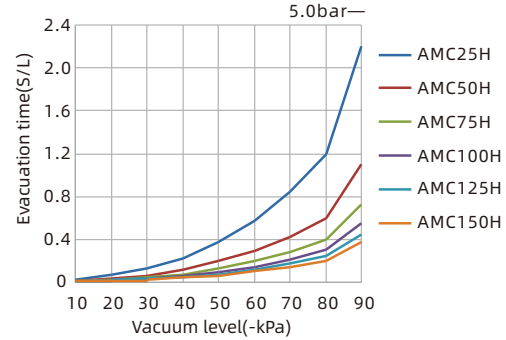
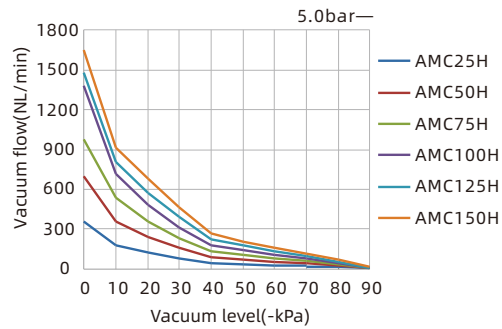
ACPS

APB

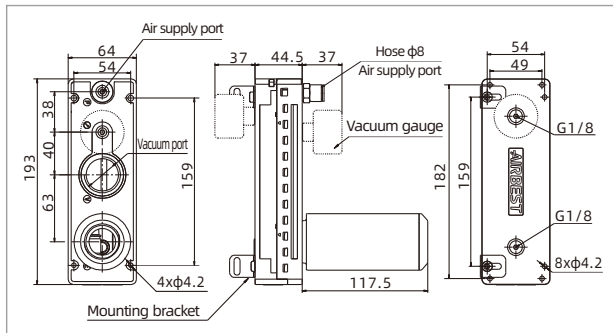
AMC Series

Multistage Vacuum Generator

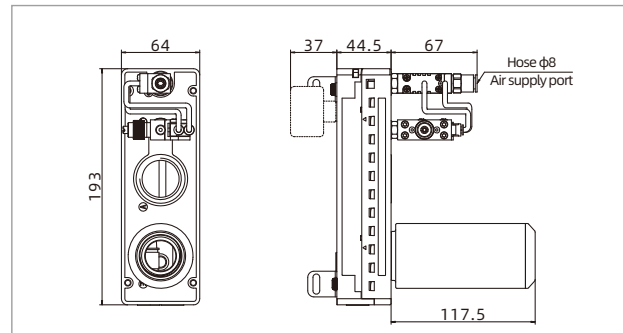
AIRBEST



Dimensions(mm)

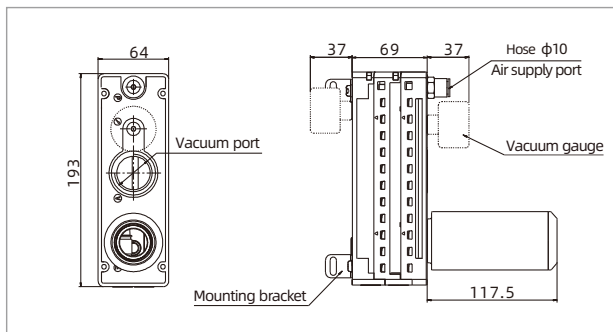


AMC25-50

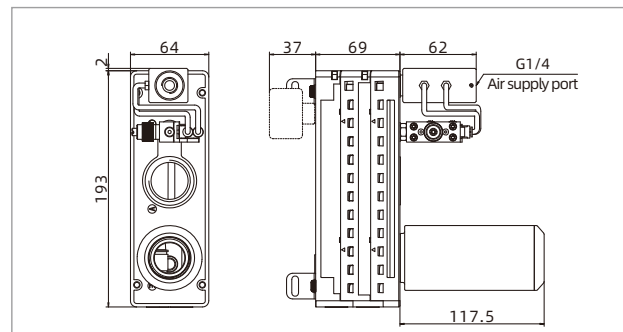


AMC25□-□-V-ES

AMC50□-□-V-ES

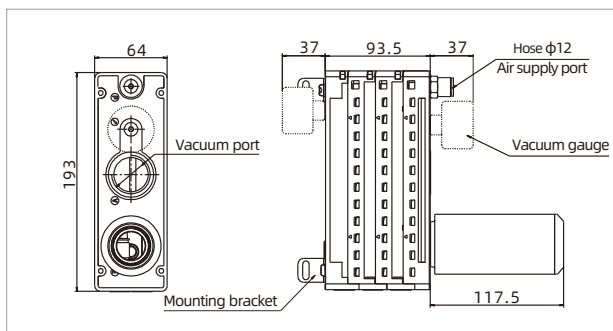


AMC75-100

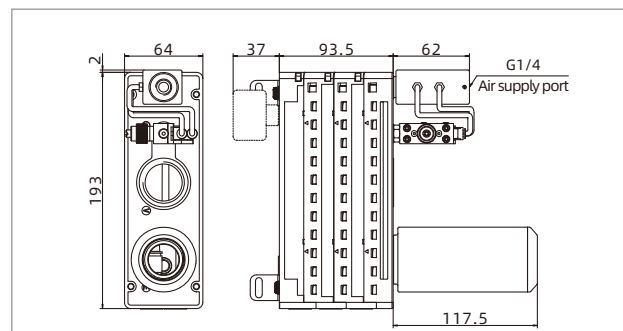


AMC75□-□-V-ES

AMC100□-□-V-ES



AMC125-150



AMC125□-□-V-ES

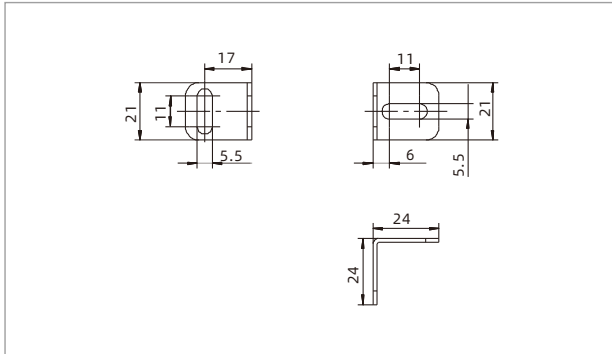
AMC150□-□-V-ES

AMC Series

Multistage Vacuum Generator

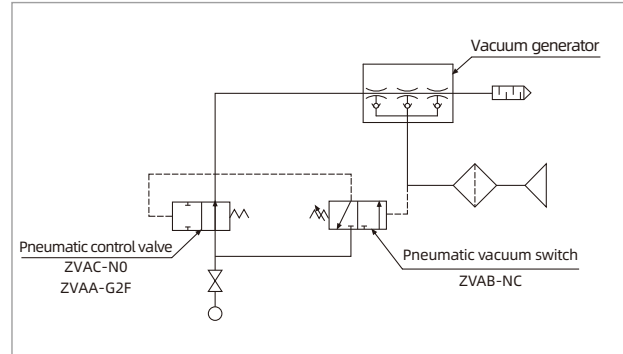


Dimensions(mm)



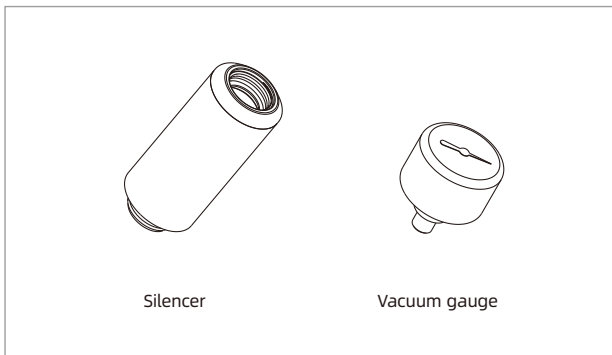
L type mounting bracket

Air circuit schematic diagram

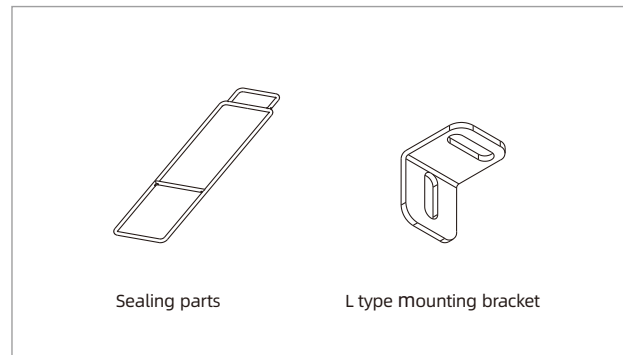


ES Energy saving system

Accessory selection



Mounting accessories



Mounting accessories

Item	Model	Remark
Silencer	ZSA-G8M	-
Vacuum gauge	ZPMR-V	-
Sealing ring	AMC50-R6	AMC25, 50/1 AMC75, 100/2 AMC125, 150/3
Mounting accessory kit	AMC50-R(2 brackets+ 4 Screws + 1 ϕ 8 one-touch fitting)	AMC25, 50-AA
Mounting accessory kit	AMC100-R(2 brackets+ 4 Screws + 1 ϕ 10 one-touch fitting)	AMC25, 50, 75, 100-CA / AMC25, 50, 75, 100-CC
Mounting accessory kit	AMC150-R(2 brackets+ 4 Screws + 1 ϕ 12 one-touch fitting)	AMC125, 150-CC

◇ Note: The mounting accessory kit includes 2 L-type brackets and 4 screws for the connection plate BA and DB

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AM/AL/AH Series

Multistage Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



WOOD



COMPOSITE MATERIAL

RoHS

Features

- ◇ Energy-efficient multistage nozzle design
- ◇ It has a very strong suction capacity
- ◇ A variety of specifications of air supply port and vacuum port
- ◇ Energy-saving system(ES) is optional

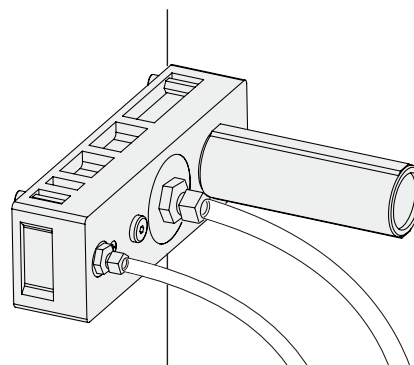
Advantages

- ◇ Quick evacuation in low vacuum level range, reduce cost and shorten working cycle
- ◇ It can produce large vacuum flow, handle all porous workpieces fast and safely
- ◇ Different thread specifications can be used
- ◇ Save compressed air consumption when handling airtight workpieces



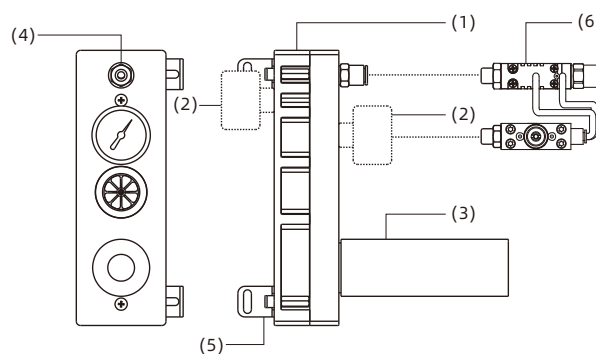
Applications

- ◇ The multistage vacuum generator is suitable for handling cartons, packaging materials and porous materials
- ◇ Used for working conditions requiring large vacuum flow, fast evacuation and less air consumption



Structure

- ◇ (1) The main body
- ◇ (2) Vacuum detecting port
- ◇ (3) Silencer
- ◇ (4) Air supply port
- ◇ (5) Mounting bracket
- ◇ (6) ES Energy-saving system



AM/AL/AH Series

Multistage Vacuum Generator



How to order

AM 25L - AD - N - A - ES
① ② ③ ④ ⑤ ⑥

① Series	② Specification	③ Connection plate	④ Sealing	⑤ Non-return valve	⑥ Control device
AM - Universal type (-92kPa)	25L 50L 75L 100L 125L 150L	D B	N - NBR E - EPDM	Nil - Default, without non-return valve A - With non-return valve	Nil - Default, without control device PVD - Supply valve + Break valve
AL - Large vacuum flow type (-81kPa)	25 50 75 100 125 150	AD E	F - Fluorine rubber		
AH - High vacuum level type (-100.8kPa)	40 120	(Refer to table1)			ES - Energy-saving system only for AM-25L/50L AL-25/50 AH-40

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

Connection plate table1

Connection plate	Air supply port (¹)	Vacuum port (²)	Exhaust port (³)	Connection plate material	Applicable vacuum generator
D	NPSF1/8	G3/4	G3/4	PPS	AM25-100、AL25-100、AH40-120
B	NPSF1/8	NPT3/4	NPT3/4	PPS	
AD	G1/4	G3/4	G3/4	Aluminum alloy	
E	NPT1/4	NPT3/4	NPT3/4	Aluminum alloy	
D	G1/4	G1"	G1"	PPS	AM125-150、AL125-150
B	NPT1/4	NPT1"	NPT1"	PPS	
AD	G1/4	G1"	G1"	Aluminum alloy	
E	NPT1/4	NPT1"	NPT1"	Aluminum alloy	

Selection - AM series

Model/ Specification	25L	50L	75L	100L	125L	150L
AM□-D-N	AM25L-D-N	AM50L-D-N	AM75L-D-N	AM100L-D-N	AM125L-D-N	AM150L-D-N
AM□-D-N-A	AM25L-D-N-A	AM50L-D-N-A	AM75L-D-N-A	AM100L-D-N-A	AM125L-D-N-A	AM150L-D-N-A
AM□-D-N-A-ES	AM25L-D-N-A-ES	AM50L-D-N-A-ES	-	-	-	-
AM□-B-N	AM25L-B-N	AM50L-B-N	AM75L-B-N	AM100L-B-N	AM125L-B-N	AM150L-B-N
AM□-B-N-A	AM25L-B-N-A	AM50L-B-N-A	AM75L-B-N-A	AM100L-B-N-A	AM125L-B-N-A	AM150L-B-N-A
AM□-AD-N	AM25L-AD-N	AM50L-AD-N	AM75L-AD-N	AM100L-AD-N	AM125L-AD-N	AM150L-AD-N
AM□-AD-N-A	AM25L-AD-N-A	AM50L-AD-N-A	AM75L-AD-N-A	AM100L-AD-N-A	AM125L-AD-N-A	AM150L-AD-N-A
AM□-AD-N-A-ES	AM25L-AD-N-A-ES	AM50L-AD-N-A-ES	-	-	-	-
AM□-E-N	AM25L-E-N	AM50L-E-N	AM75L-E-N	AM100L-E-N	AM125L-E-N	AM150L-E-N
AM□-E-N-A	AM25L-E-N-A	AM50L-E-N-A	AM75L-E-N-A	AM100L-E-N-A	AM125L-E-N-A	AM150L-E-N-A
AM□-E-N-PVD	AM25L-E-N-PVD	AM50L-E-N-PVD	AM75L-E-N-PVD	AM100L-E-N-PVD	AM125L-E-N-PVD	AM150L-E-N-PVD

AM/AL/AH Series

Multistage Vacuum Generator



Selection - AL series

Model/ Specification	25	50	75	100	125	150
AL□-D-N	AL25-D-N	AL50-D-N	AL75-D-N	AL100-D-N	AL125-D-N	AL150-D-N
AL□-D-N-A	AL25-D-N-A	AL50-D-N-A	AL75-D-N-A	AL100-D-N-A	AL125-D-N-A	AL150-D-N-A
AL□-D-N-A-ES	AL25-D-N-A-ES	AL50-D-N-A-ES	-	-	-	-
AL□-B-N	AL25-B-N	AL50-B-N	AL75-B-N	AL100-B-N	AL125-B-N	AL150-B-N
AL□-B-N-A	AL25-B-N-A	AL50-B-N-A	AL75-B-N-A	AL100-B-N-A	AL125-B-N-A	AL150-B-N-A
AL□-AD-N	AL25-AD-N	AL50-AD-N	AL75-AD-N	AL100-AD-N	AL125-AD-N	AL150-AD-N
AL□-AD-N-A	AL25-AD-N-A	AL50-AD-N-A	AL75-AD-N-A	AL100-AD-N-A	AL125-AD-N-A	AL150-AD-N-A
AL□-AD-N-A-ES	AL25-AD-N-A-ES	AL50-AD-N-A-ES	-	-	-	-
AL□-E-N	AL25-E-N	AL50-E-N	AL75-E-N	AL100-E-N	AL125-E-N	AL150-E-N
AL□-E-N-A	AL25-E-N-A	AL50-E-N-A	AL75-E-N-A	AL100-E-N-A	AL125-E-N-A	AL150-E-N-A
AL□-E-N-PVD	AL25-E-N-PVD	AL50-E-N-PVD	AL75-E-N-PVD	AL100-E-N-PVD	AL125-E-N-PVD	AL150-E-N-PVD

Selection - AH series

Model/ Specification	40	120
AH□-D-N	AH40-D-N	AH120-D-N
AH□-D-N-A	AH40-D-N-A	AH120-D-N-A
AH□-D-N-A-ES	AH40-D-N-A-ES	-
AH□-B-N	AH40-B-N	AH120-B-N
AH□-B-N-A	AH40-B-N-A	AH120-B-N-A
AH□-AD-N	AH40-AD-N	AH120-AD-N
AH□-AD-N-A	AH40-AD-N-A	AH120-AD-N-A
AH□-AD-N-A-ES	AH40-AD-N-A-ES	-
AH□-E-N	AH40-E-N	AH120-E-N
AH□-E-N-A	AH40-E-N-A	AH120-E-N-A
AH□-E-N-PVD	AH40-E-N-PVD	AH120-E-N-PVD

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia. mm (Hose outer dia.) Air supply port	Recommended hose dia. mm (Wired hose inner dia.) Vacuum port
AL25	6.0	81	360	105	81	-10~80	675	φ8	φ19
AL50	6.0	81	640	215	81	-10~80	675	φ10	φ19
AL75	6.0	81	850	320	81	-10~80	837	φ10	φ25
AL100	6.0	81	990	390	82	-10~80	837	φ10	φ25
AL125	6.0	81	1,170	480	82	-10~80	1,075	φ12	φ32
AL150	6.0	81	1,230	620	81	-10~80	1,075	φ12	φ32
AH40	6.0	99.8	150	155	81	-10~80	675	φ10	φ19
AH120	6.0	100.8	530	440	81	-10~80	837	φ12	φ19

AM/AL/AH Series

Multistage Vacuum Generator

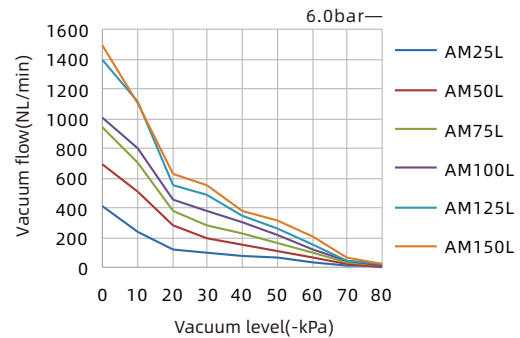
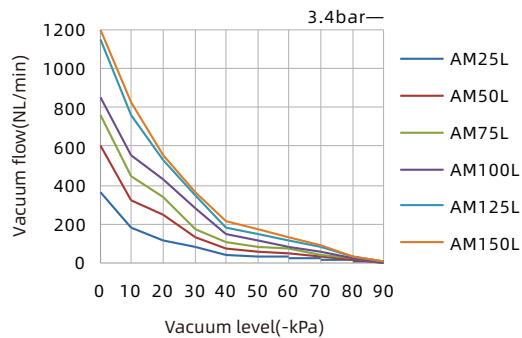
AIRBEST

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia. mm (Hose outer dia.) (Wired hose inner dia.) Air supply port Vacuum port	
AM25L	3.4	92	360	116	80	-10~80	675	φ8	φ19
AM50L	3.4	92	600	230	81	-10~80	675	φ8	φ19
AM75L	3.4	92	760	365	81	-10~80	837	φ10	φ25
AM100L	3.4	92	850	445	81	-10~80	837	φ10	φ25
AM125L	3.4	92	1,150	545	82	-10~80	1,075	φ12	φ32
AM150L	3.4	92	1,200	655	82	-10~80	1,075	φ12	φ32
AM25L	6.0	89	420	185	80	-10~80	675	φ8	φ19
AM50L	6.0	89	700	370	81	-10~80	675	φ8	φ19
AM75L	6.0	89	950	610	81	-10~80	837	φ10	φ25
AM100L	6.0	89	1,010	720	81	-10~80	837	φ10	φ25
AM125L	6.0	89	1,400	780	82	-10~80	1,075	φ12	φ32
AM150L	6.0	89	1,500	810	82	-10~80	1,075	φ12	φ32

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	Max. vacuum level -kPa
AM25L	3.4	116	360	180	115	80	43	30	22.5	15.5	7.5	21.2	92
AM50L	3.4	230	600	320	250	135	75	60	46	30	13	1.5	92
AM75L	3.4	365	760	445	340	175	110	85	70	43	20	1.8	92
AM100L	3.4	445	850	550	430	280	145	115	85	60	28	2.2	92
AM125L	3.4	545	1,150	760	530	350	180	148	115	78	34.5	3.5	92
AM150L	3.4	655	1,200	830	550	360	215	170	130	90	36	5	92
AM25L	6.0	185	420	240	125	100	82	65	38	12.5	3.5	-	89
AM50L	6.0	370	700	510	290	195	160	115	70	22	8	-	89
AM75L	6.0	610	950	710	380	285	230	170	100	32	11	-	89
AM100L	6.0	720	1,010	800	460	385	310	215	125	42	15.5	-	89
AM125L	6.0	780	1,400	1,120	560	490	355	260	150	50	25	-	89
AM150L	6.0	810	1,500	1,110	630	560	385	315	210	65	26	-	89



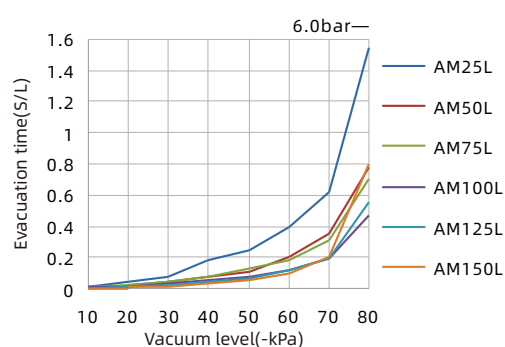
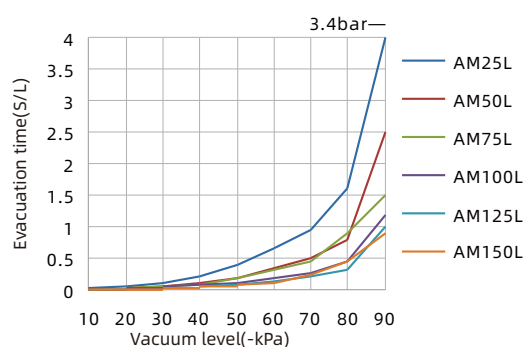
AM/AL/AH Series

Multistage Vacuum Generator



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	90	Max. vacuum level -kPa
AM25L	3.4	116	0.022	0.060	0.110	0.210	0.400	0.650	0.950	1.600	4.000	92
AM50L	3.4	230	0.014	0.031	0.060	0.100	0.200	0.340	0.500	0.800	2.500	92
AM75L	3.4	365	0.012	0.029	0.058	0.095	0.180	0.310	0.460	0.890	1.500	92
AM100L	3.4	445	0.010	0.025	0.043	0.075	0.110	0.190	0.270	0.450	1.200	92
AM125L	3.4	545	0.006	0.015	0.029	0.052	0.085	0.145	0.202	0.330	1.00	92
AM150L	3.4	655	0.005	0.013	0.027	0.045	0.070	0.105	0.230	0.460	0.900	92
AM25L	6.0	185	0.018	0.050	0.080	0.018	0.250	0.400	0.620	1.550	-	89
AM50L	6.0	370	0.010	0.022	0.048	0.080	0.110	0.200	0.350	0.780	-	89
AM75L	6.0	610	0.009	0.019	0.045	0.075	0.130	0.180	0.310	0.700	-	89
AM100L	6.0	720	0.007	0.018	0.038	0.055	0.080	0.120	0.190	0.470	-	89
AM125L	6.0	780	0.005	0.013	0.026	0.045	0.062	0.115	0.194	0.560	-	89
AM150L	6.0	810	0.003	0.009	0.014	0.03	0.060	0.095	0.200	0.800	-	89



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
AL25	6.0	105	360	196	135	85	45	36	27	17	81
AL50	6.0	215	640	320	205	145	95	65	45	25	81
AL75	6.0	320	850	430	320	190	130	105	65	40	81
AL100	6.0	390	990	580	460	300	185	130	95	52	81
AL125	6.0	480	1,170	720	541	350	200	150	125	65	81
AL150	6.0	620	1,230	760	560	410	210	160	148	85	81

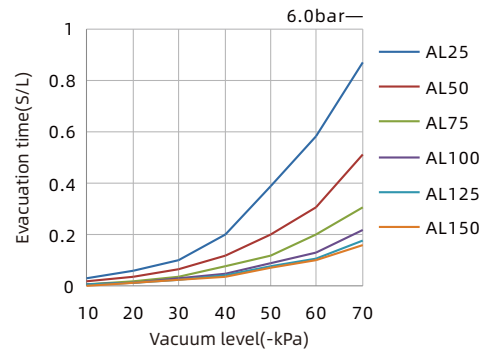
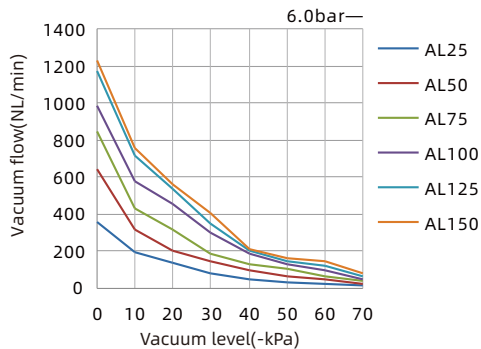
AM/AL/AH Series

Multistage Vacuum Generator

AIRBEST

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	Max. vacuum level -kPa
AL25	6.0	105	0.030	0.060	0.100	0.200	0.390	0.580	0.870	81
AL50	6.0	215	0.018	0.039	0.066	0.120	0.200	0.310	0.510	81
AL75	6.0	320	0.010	0.020	0.040	0.080	0.120	0.200	0.310	81
AL100	6.0	390	0.008	0.017	0.032	0.050	0.090	0.130	0.220	81
AL125	6.0	480	0.006	0.016	0.026	0.045	0.078	0.110	0.180	81
AL150	6.0	620	0.005	0.014	0.024	0.040	0.071	0.100	0.160	81

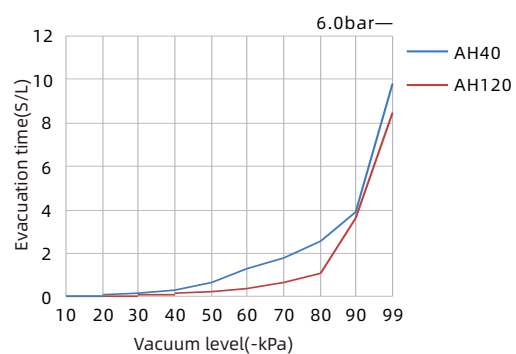
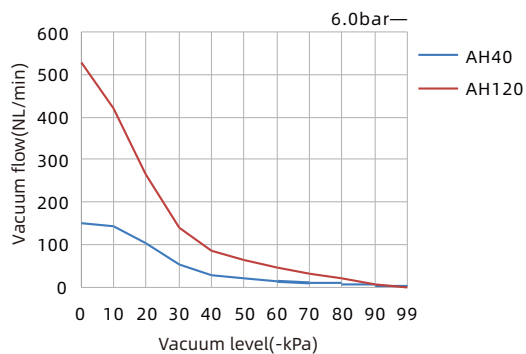


Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	90	99	Max. vacuum level -kPa
AH40	6.0	155	150	145	105	52.5	27.5	20.5	15.0	8.5	5.5	3.0	0.2	99.8
AH120	6.0	440	530	420	265	141.0	85.0	65.0	45.0	33.0	21.5	6.0	0.5	100.8

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	90	99	Max. vacuum level -kPa
AH40	6.0	155	0.04	0.08	0.18	0.32	0.64	1.30	1.80	2.60	3.90	9.8	99.8
AH120	6.0	440	0.02	0.04	0.08	0.14	0.25	0.38	0.66	1.08	3.60	8.5	100.8



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

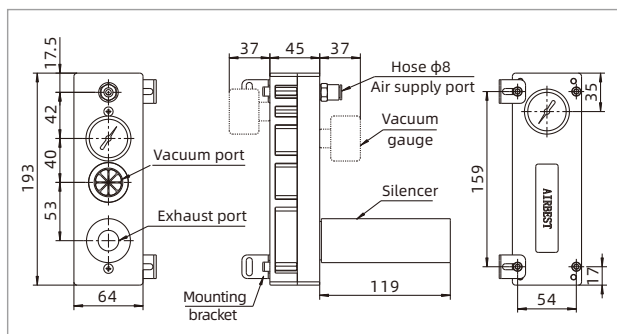
APB

AM/AL/AH Series

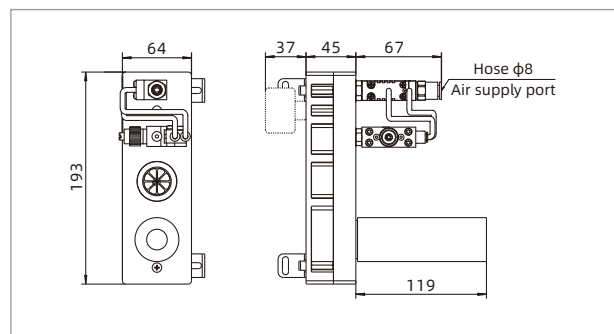
Multistage Vacuum Generator

AIRBEST

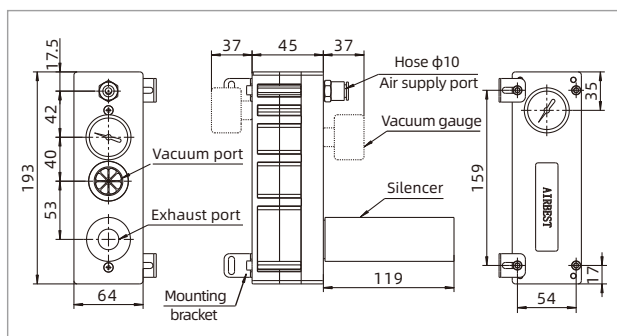
Dimensions(mm)



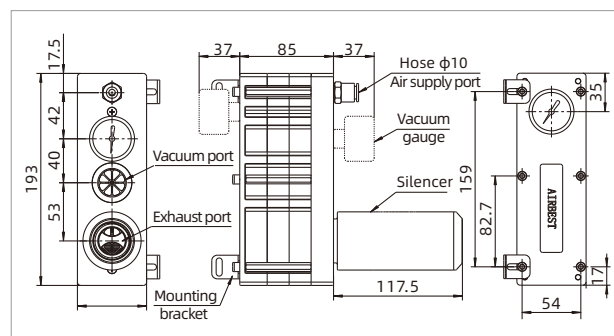
AM/AL25-50 AH40



AM/AL25-50-□-N-A-ES



AM/AL75-100



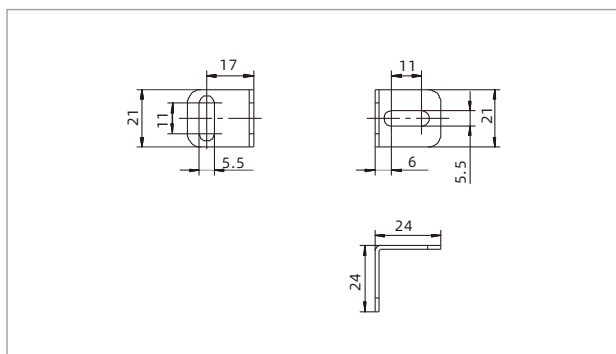
AM/AL125-150

AM/AL/AH Series

Multistage Vacuum Generator

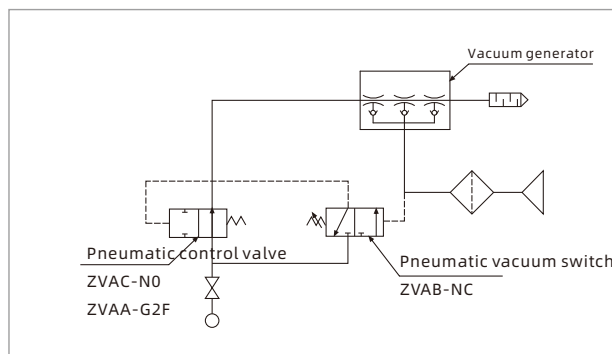
AIRBEST

Dimensions(mm)



L type mounting bracket

Air circuit schematic diagram



ES Energy-saving system

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

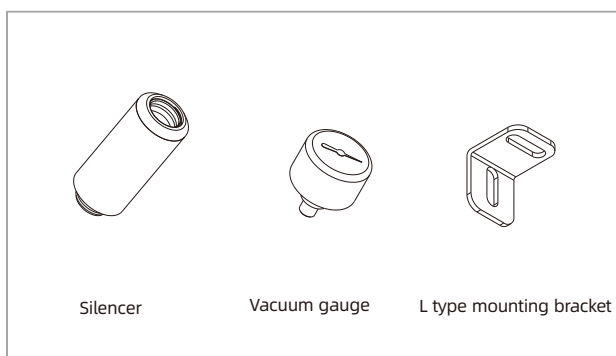
ACP

ACPF

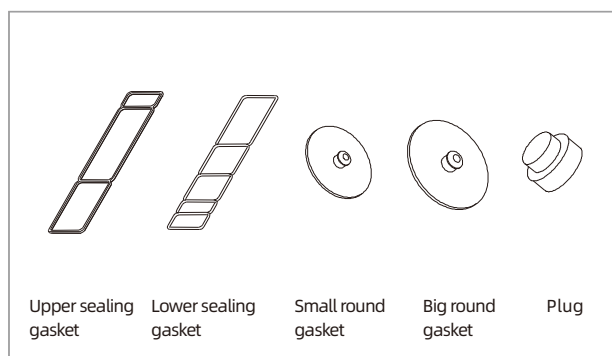
ACPS

APB

Accessories



Mounting accessories



Repair kits-Sealing kits

Item	Model	Applicable vacuum generator
Silencer	ZSA-G6M	AM25-50, AL25-50, AH40
Vacuum gauge	ZPMR-V	AM25-50, AL25-50, AH40
Sealing kits	AM50L-PK (1 Upper sealing gasket+1 Lower sealing gasket+2 Small round gaskets+2 Plugs)	AM25-50, AL25-50, AH40
Mounting accessory kit	AM50L-D-R (2 brackets+4 screws+1 G1/8 φ8 one-touch fitting)	AM25-50, AL25-50, AH40
Mounting accessory kit	AM50L-E-R (2 brackets+4 screws+1 G1/4 φ8 one-touch fitting)	AM25-50, AL25-50, AH40
Silencer	ZSA-G6M	AM75-100, AL75-100, AH120
Vacuum gauge	ZPMR-V	AM75-100, AL75-100, AH120
Sealing kits	AM100L-PK (1 Upper sealing gasket+2 Lower sealing gaskets+2 Small round gaskets+4 Plugs)	AM75-100, AH120
Sealing kits	AL100-PK (1 Upper sealing gasket+2 Lower sealing gaskets+1 Small round gasket+1 Big round gasket+ 4 Plugs)	AL75-100
Mounting accessory kit	AM100L-D-R (2 brackets+4 screws+1 G1/8 φ10 one-touch fitting)	AM75-100, AL75-100, AH120
Mounting accessory kit	AM100L-E-R (2 brackets+4 screws+1 G1/4 φ10 one-touch fitting)	AM75-100, AL75-100, AH120
Silencer	ZSA-G8M	AM125-150, AL125-150
Vacuum gauge	ZPMR-V	AM125-150, AL125-150
Sealing kits	AM150L-PK (1 Upper sealing gasket+3 Lower sealing gaskets+1 Small round gasket+1 Big round gasket+6 Plugs)	AM125-150, AL125-150
Mounting accessory kit	AM150L-R (2 brackets+4 screws+1 G1/4 φ12 one-touch fitting)	AM125-150, AL125-150

◇ Note:The mounting accessory kit includes 2 L-type brackets and 4 screws for the connection plate B and E

AM/AL Series

Combined Type Multistage Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



WOOD



COMPOSITE MATERIAL

RoHS

Features

- ◇ Energy-efficient multistage nozzle design
- ◇ It has a very strong suction capacity
- ◇ With mounting bracket
- ◇ External silencer

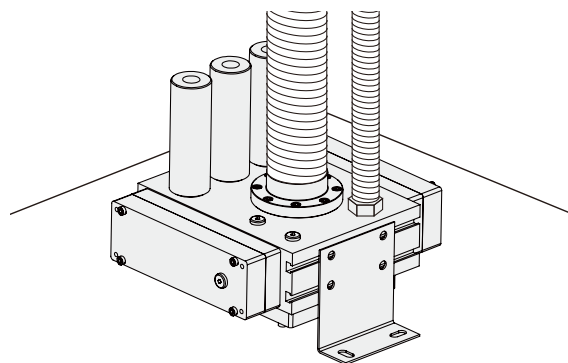
Advantages

- ◇ Quick evacuation in low vacuum level range, reduce cost and shorten working cycle
- ◇ It can produce large vacuum flow, handle all porous workpieces fast and safely
- ◇ Easy installation and easy operation
- ◇ Reduce product noise greatly



Applications

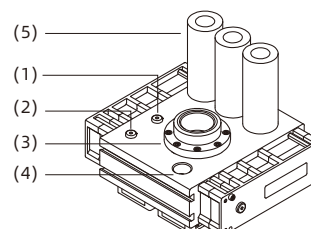
- ◇ The multistage large flow vacuum generator is suitable for handling cartons, packaging materials and porous materials
- ◇ Used in conveying systems, such as particulate matter, powder, etc
- ◇ Used for working conditions requiring large vacuum flow, fast evacuation and less air consumption



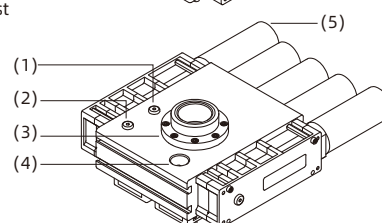
Structure

- ◇ (1) Mounting hole for vacuum gauge
- ◇ (2) Mounting hole for positive pressure gauge
- ◇ (3) Vacuum port
- ◇ (4) Air supply port
- ◇ (5) Silencer

Standard



Lateral exhaust



AM/AL Series

Combined Type Multistage Vacuum Generator



How to order

AM 200M P - N

① ② ③ ④

① Series	② Specification	③ Exhaust type	④ Sealing
AM - Universal type(-89kPa)	150M	Nil - Standard	N - NBR
AL - Large vacuum flow type(-81kPa)	200M	P - Lateral exhaust	E - EPDM
	300M		F - Fluorine rubber
	400M		
	500M		

Selection - AM series

Model/ Specification	150	200	300	400	500
AM□M-N	AM150M-N	AM200M-N	AM300M-N	AM400M-N	AM500M-N
AM□MP-N	AM150MP-N	AM200MP-N	AM300MP-N	AM400MP-N	AM500MP-N

Selection - AL series

Model/ Specification	150	200	300	400	500
AL□M-N	AL150M-N	AL200M-N	AL300M-N	AL400M-N	AL500M-N
AL□MP-N	AL150MP-N	AL200MP-N	AL300MP-N	AL400MP-N	AL500MP-N

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia. mm (Hose outer dia.) (Wired hose inner dia.) Air supply port Vacuum port	
AM150M	6.0	89	1,880	1,120	80	-10~80	3,724	φ16	φ32
AM200M	6.0	89	2,200	1,460	81	-10~80	3,892	φ16	φ32
AM300M	6.0	89	3,150	2,200	81	-10~80	5,525	φ16	φ45
AM400M	6.0	89	3,710	2,790	81	-10~80	6,447	φ16	φ45
AM500M	6.0	89	4,570	3,520	82	-10~80	7,929	φ16	φ60

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia. mm (Hose outer dia.) (Wired hose inner dia.) Air supply port Vacuum port	
AL150M	6.0	81	1,660	650	80	-10~80	3,724	φ16	φ32
AL200M	6.0	81	1,950	830	81	-10~80	3,892	φ16	φ32
AL300M	6.0	81	2,840	1,240	81	-10~80	5,525	φ21	φ45
AL400M	6.0	81	3,340	1,650	81	-10~80	6,447	φ21	φ45
AL500M	6.0	81	3,970	2,100	82	-10~80	7,929	φ16	φ60

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AM/AL Series



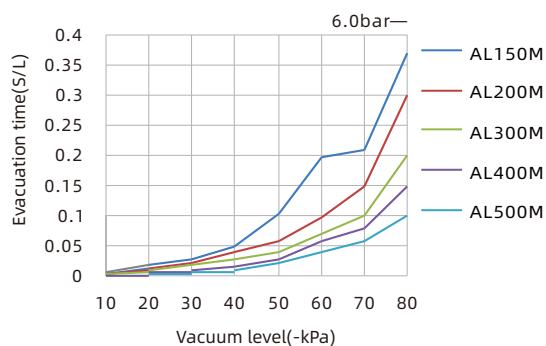
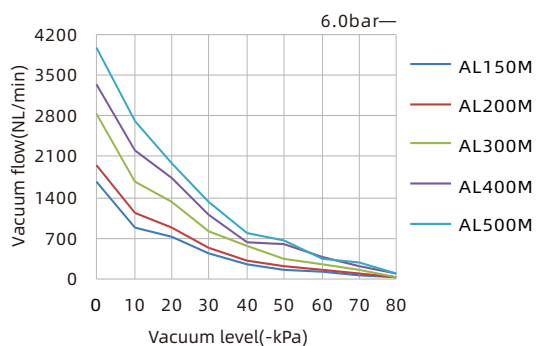
Combined Type Multistage Vacuum Generator

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
AL150M	6.0	650	1,660	870	720	450	240	160	115	70	32	81
AL200M	6.0	830	1,950	1,140	870	520	305	230	160	105	38	81
AL300M	6.0	1,240	2,840	1,660	1,330	810	580	360	265	155	45	81
AL400M	6.0	1,650	3,340	2,200	1,730	1,110	630	590	370	225	80	81
AL500M	6.0	2,100	3,970	2,710	1,990	1,320	790	660	360	270	92	81

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
AL150M	6.0	650	0.007	0.019	0.028	0.051	0.105	0.198	0.210	0.370	81
AL200M	6.0	830	0.005	0.013	0.023	0.040	0.060	0.098	0.150	0.300	81
AL300M	6.0	1,240	0.004	0.011	0.018	0.030	0.040	0.070	0.100	0.200	81
AL400M	6.0	1,650	0.003	0.008	0.010	0.150	0.030	0.060	0.080	0.150	81
AL500M	6.0	2,100	0.002	0.005	0.008	0.010	0.022	0.040	0.060	0.100	81



AM/AL Series

Combined Type Multistage Vacuum Generator

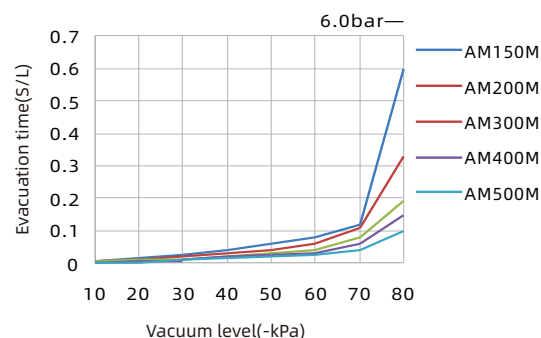
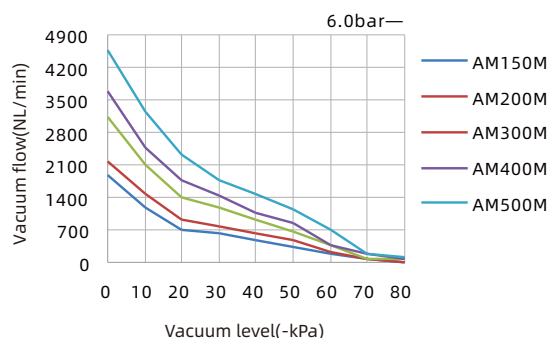
AIRBEST

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
AM150M	6.0	1,120	1,880	1,210	730	640	490	340	200	75	25	89
AM200M	6.0	1,460	2,200	1,490	930	800	650	490	245	85	11	89
AM300M	6.0	2,290	3,150	2,100	1,410	1,180	930	660	365	105	75	89
AM400M	6.0	2,790	3,710	2,480	1,800	1,450	1,100	870	370	195	80	89
AM500M	6.0	3,250	4,570	3,240	2,330	1,800	1,470	1,140	700	205	115	89

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
AM150M	6.0	1,120	0.007	0.017	0.026	0.040	0.060	0.080	0.120	0.600	89
AM200M	6.0	1,460	0.005	0.012	0.022	0.030	0.040	0.060	0.110	0.330	89
AM300M	6.0	2,290	0.004	0.010	0.013	0.023	0.030	0.040	0.080	0.190	89
AM400M	6.0	2,790	0.003	0.008	0.012	0.020	0.025	0.030	0.060	0.150	89
AM500M	6.0	3,250	0.002	0.005	0.008	0.015	0.020	0.027	0.050	0.120	89



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

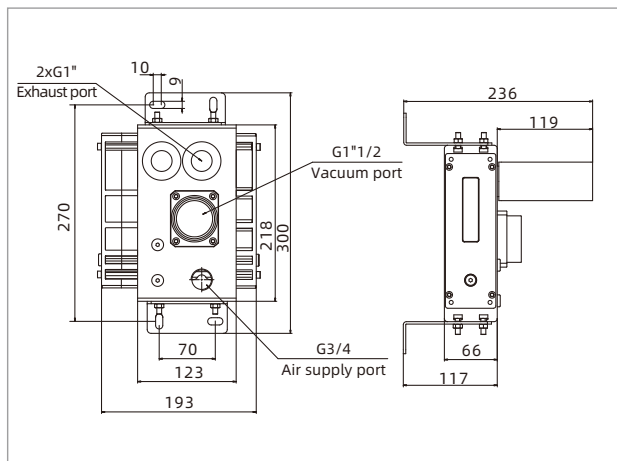
APB

AM/AL Series

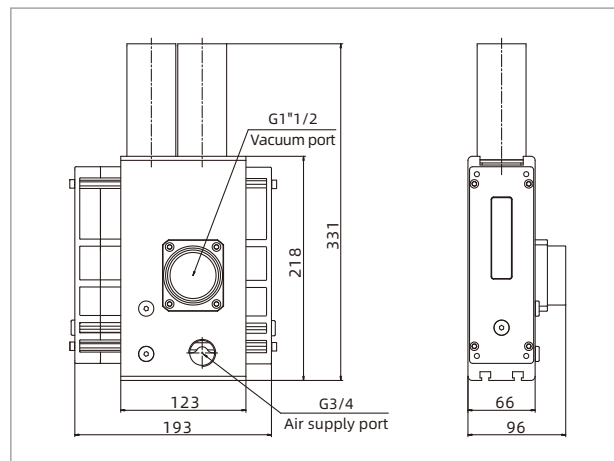
Combined Type Multistage Vacuum Generator

AIRBEST

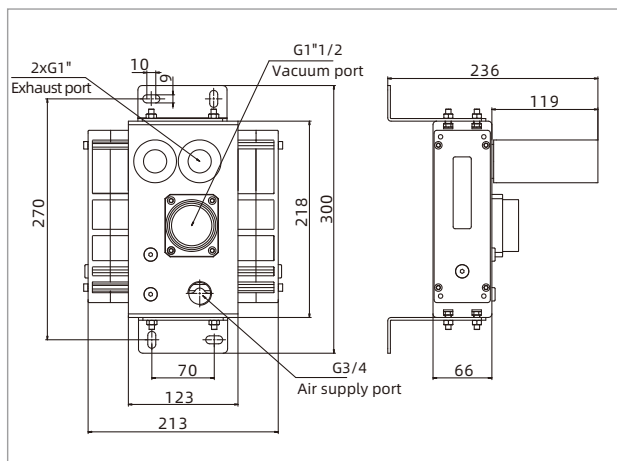
Dimensions(mm)



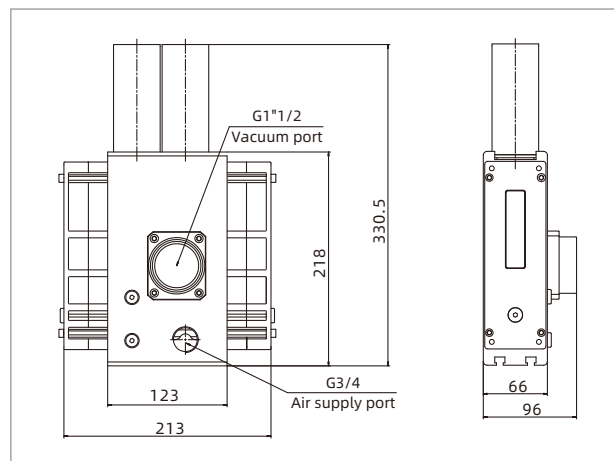
AM150M AL150M



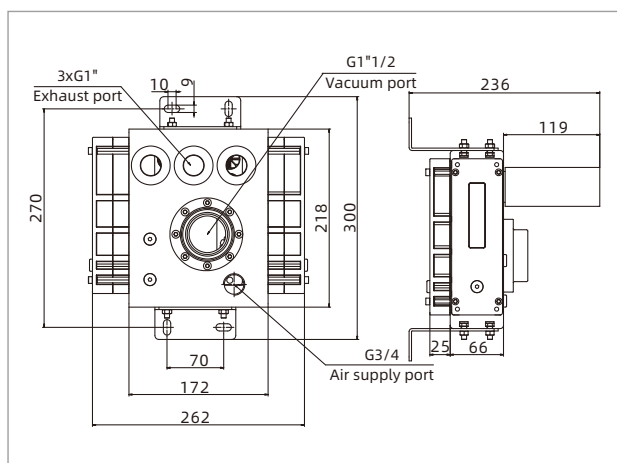
AM150M-P AL150M-P



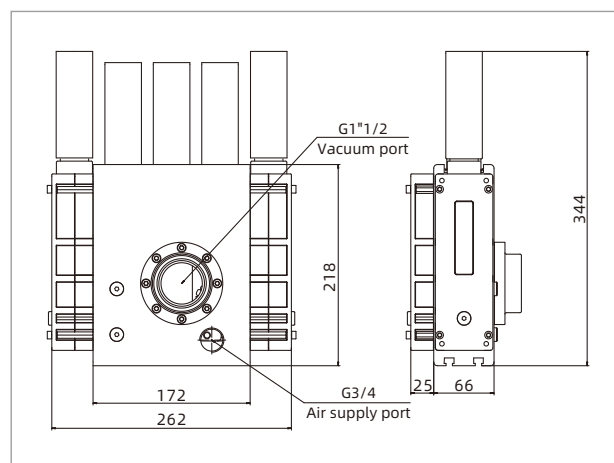
AM200M AL200M



AM200M-P AL200M-P



AM300M AL300M



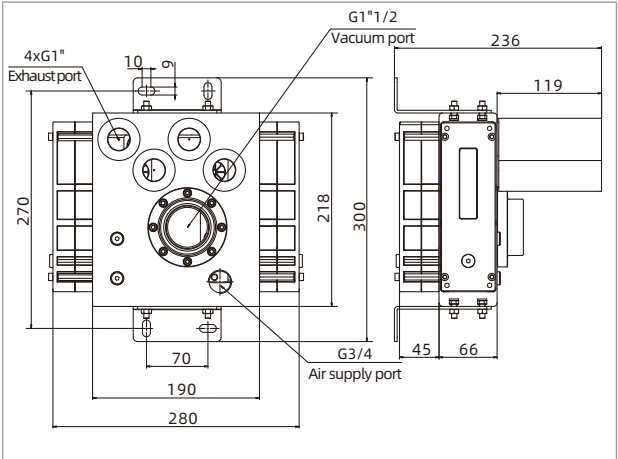
AM300M-P AL300M-P

AM/AL Series

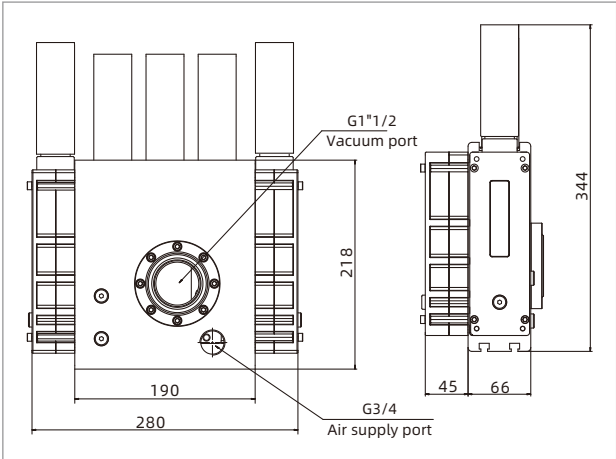
Combined Type Multistage Vacuum Generator



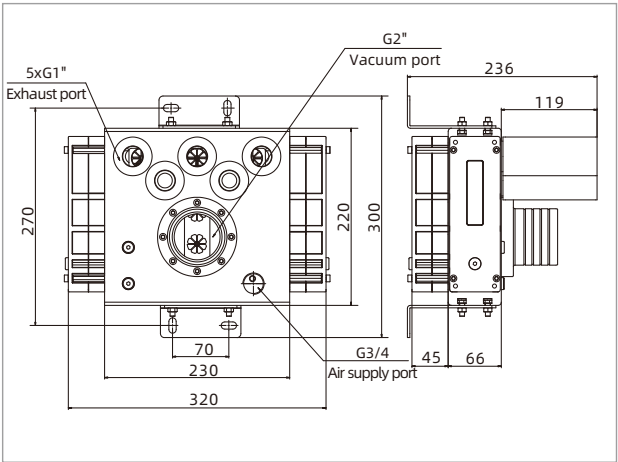
Dimensions(mm)



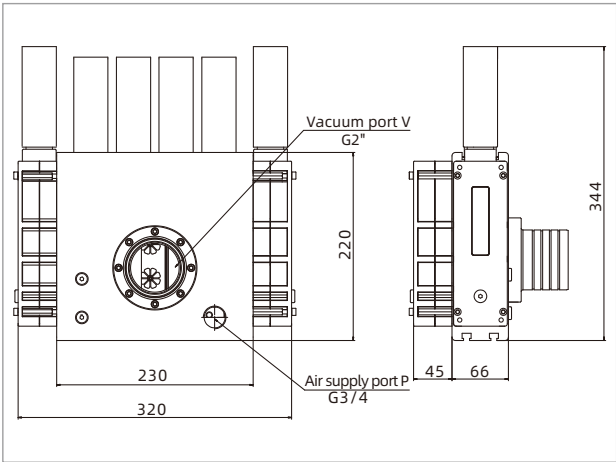
AM400M AL400M



AM400M-P AL400M-P



AM500M AL500M



AM500M-P AL500M-P

Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

AMD Series

Large Flow Vacuum Generator

AIRBEST



UNIVERSAL

Features

- ◇ Built-in vacuum cartridge, greatly improve the energy consumption ratio
- ◇ Suitable connection specifications can be configured according to different vacuum flow requirements
- ◇ Various connection specifications can meet different requirements

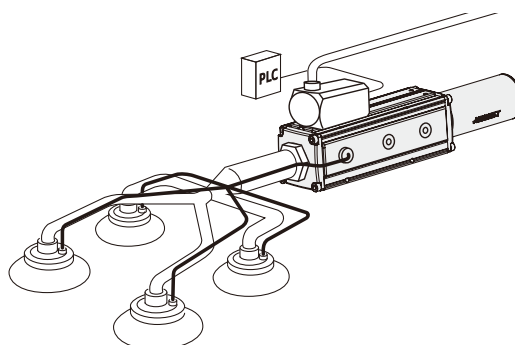
Advantages

- ◇ Easy installation, easy maintenance, it can be replaced by users themselves
- ◇ Various connection specifications can meet different customized requirements
- ◇ Multistage vacuum generator, the housing is made of aluminum alloy



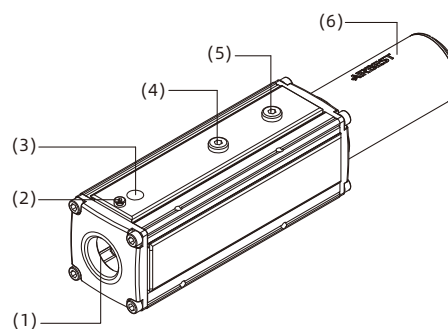
Applications

- ◇ Suitable for multi-station vacuum grasping applications
- ◇ Suitable for vacuum evacuation occasions in pharmaceutical and food industry



Structure

- ◇ (1) Vacuum port
- ◇ (2) Release port
- ◇ (3) Air supply port
- ◇ (4) Vacuum port
- ◇ (5) Exhaust port
- ◇ (6) Silencer



AMD Series

Large Flow Vacuum Generator



How to order

AMD - S 3 - LG8 - G8

① ② ③ ④ ⑤

① Series	② Performance	③ Specification	④ Connection plate specification	⑤ Vacuum port specification
AMD	X - High vacuum level	1	LG8 - Straight exhaust, Air supply port: G1/4	G8 - Vacuum port G1
	S - Large vacuum flow	2	Vacuum detecting port: G1/8,	G6 - Vacuum port G3/4
		3	Exhaust detecting port: G1	
		4	LG6 - Side exhaust, Air supply port: G1/4	
			Vacuum detecting port: G1/8,	
			Exhaust port: G3/4	

Technical parameters

Model	Air supply pressure range bar	Working temperature °C	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Recommended hose dia. mm (Hose outer dia.) (Wired hose inner dia.) Air supply port Vacuum port	
AMD-X1	4.0~7.0	-10~80	5.0	95	354	130	63~72	≥φ8	≥φ25
AMD-X2	4.0~7.0	-10~80	5.0	95	700	260	63~72	≥φ8	≥φ25
AMD-X3	4.0~7.0	-10~80	5.0	95	980	390	63~72	≥φ10	≥φ45
AMD-X4	4.0~7.0	-10~80	5.0	95	1,380	520	63~72	≥φ10	≥φ45
AMD-S1	4.0~7.0	-10~80	6.0	75	360	135	63~72	≥φ8	≥φ32
AMD-S2	4.0~7.0	-10~80	6.0	75	710	270	63~72	≥φ8	≥φ32
AMD-S3	4.0~7.0	-10~80	6.0	75	1,050	405	63~72	≥φ10	≥φ45
AMD-S4	4.0~7.0	-10~80	6.0	75	1,410	540	63~72	≥φ10	≥φ45

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	Max. vacuum level -kPa
AMD-X1	5.0	135	354	180	120	78	43.8	34.8	25.8	19.2	10.8	1.8	95
AMD-X2	5.0	270	700	360	240	156	87.6	69.6	51.6	38.4	21.6	3.6	95
AMD-X3	5.0	405	980	540	360	234	131.4	104.4	77.4	57.6	32.4	5.4	95
AMD-X4	5.0	540	1,380	720	480	312	175.2	139.2	103.2	76.8	43.2	7.2	95
AMD-S1	6.0	130	360	210	156	102	54	36	30	21	-	-	75
AMD-S2	6.0	260	710	420	312	204	108	72	60	42	-	-	75
AMD-S3	6.0	390	1,050	630	468	306	162	108	90	66	-	-	75
AMD-S4	6.0	520	1,410	840	624	408	216	144	120	84	-	-	75

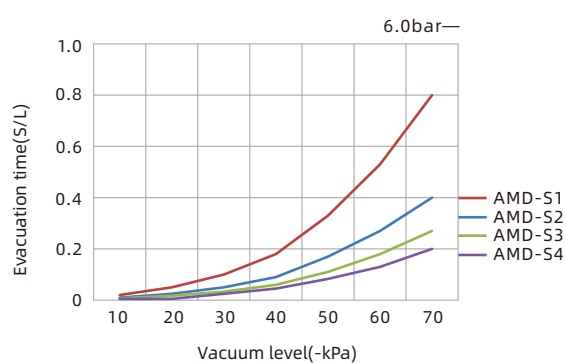
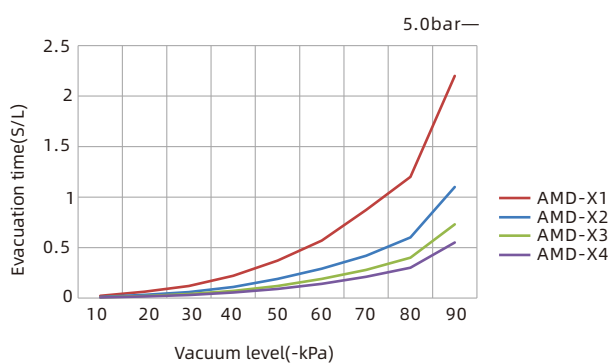
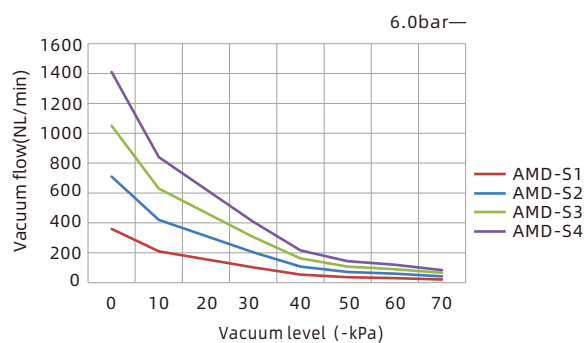
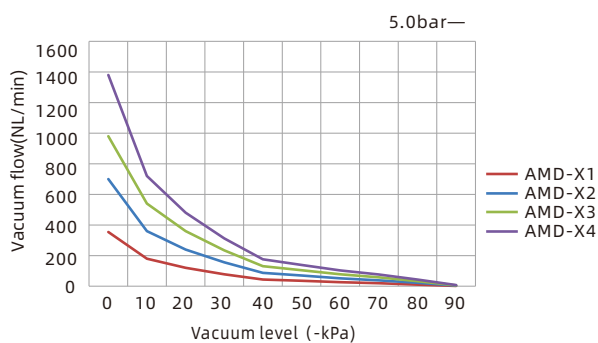
AMD Series

Large Flow Vacuum Generator



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	90	Max. Vacuum level -kPa
AMD-X1	5.0	135	0.022	0.063	0.12	0.22	0.37	0.57	0.874	1.2	2.2	95
AMD-X2	5.0	270	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	95
AMD-X3	5.0	405	0.007	0.021	0.04	0.07	0.12	0.19	0.28	0.4	0.73	95
AMD-X4	5.0	540	0.006	0.016	0.03	0.055	0.09	0.14	0.21	0.3	0.55	95
AMD-S1	6.0	130	0.02	0.05	0.1	0.18	0.33	0.53	0.8	-	-	75
AMD-S2	6.0	260	0.01	0.025	0.05	0.09	0.17	0.27	0.4	-	-	75
AMD-S3	6.0	390	0.007	0.017	0.033	0.06	0.11	0.18	0.27	-	-	75
AMD-S4	6.0	520	0.005	0.005	0.025	0.045	0.083	0.13	0.2	-	-	75

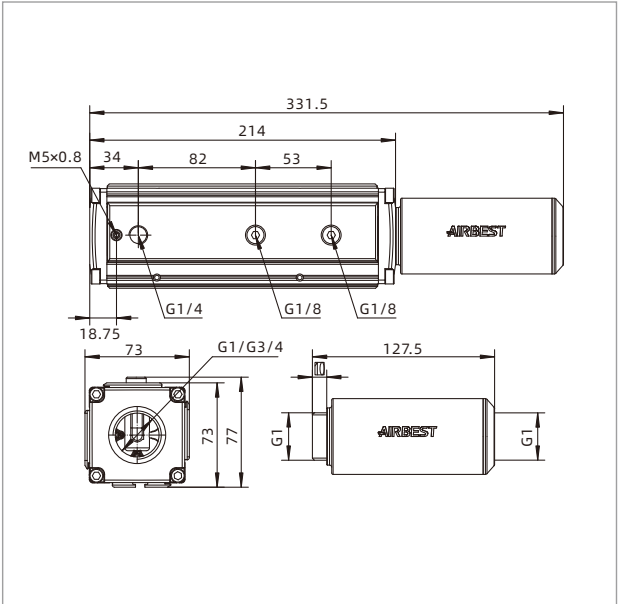


AMD Series

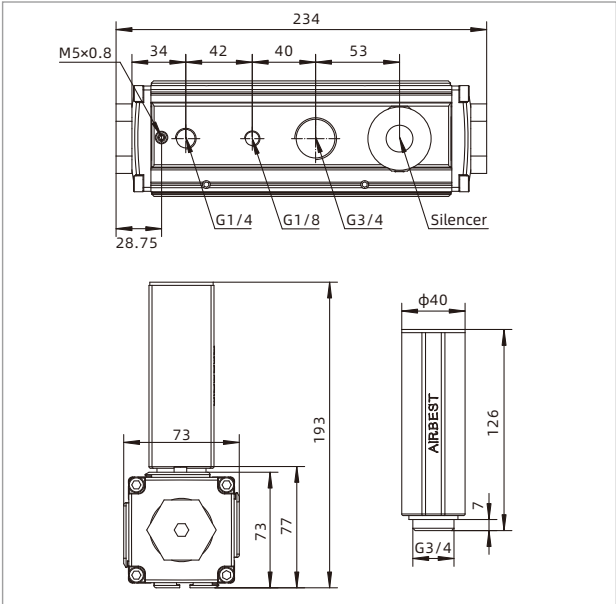
Large Flow Vacuum Generator

AIRBEST

Dimensions(mm)

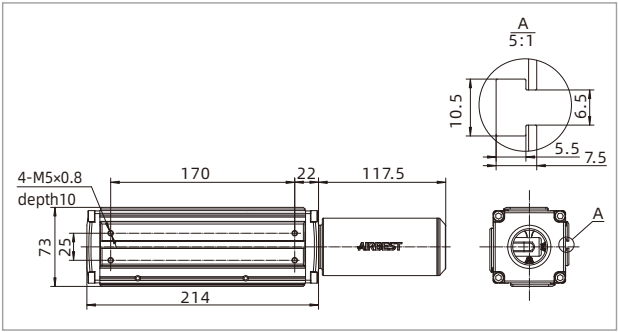


AMD-□-LG8-□ type (Straight exhaust)



AMD-□-LG6-□ type (Side exhaust)

Mounting dimensions(mm)



Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

AZW Series

Large Flow Integrated Vacuum Generator

AIRBEST



BIO-PHARMACEUTICAL



FOOD INDUSTRY

Features

- ◇ Built-in high performance vacuum cartridge
- ◇ External silencer
- ◇ Centralized air supply, solenoid valves of each station controll separately
- ◇ Multi-station, large flow, integrated design

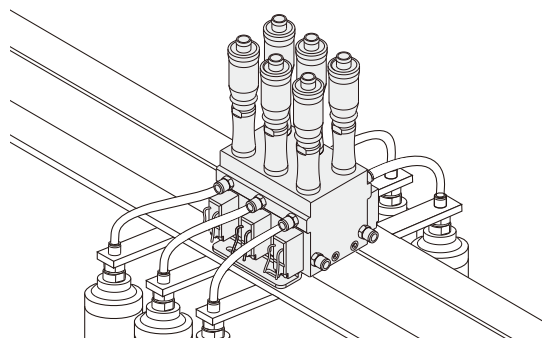
Advantages

- ◇ Easy installation, easy maintenance, it can be replaced by users themselves
- ◇ Reduce product noise most
- ◇ Customers can open or close according to the actual application conditions to save air source
- ◇ High vacuum level, large flow, it can reach high vacuum level in a short time



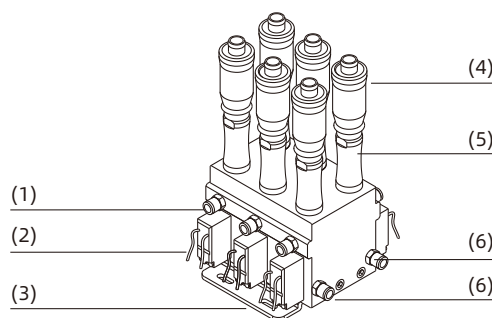
Applications

- ◇ Suitable for multi-station vacuum grasping applications
- ◇ Suitable for the occasions with high demand on the evacuation time
- ◇ Suitable for fast evacuation occasions in medical and food industry



Structure

- ◇ (1) Vacuum port
- ◇ (2) Air supply valve
- ◇ (3) Mounting bracket
- ◇ (4) Silencer
- ◇ (5) Vacuum cartridge
- ◇ (6) Air supply port



AZW Series

Large Flow Integrated Vacuum Generator

AIRBEST

How to order

AZW - 06V

① ②

① Series	② Vacuum stack quantity
AZW	03V - 3 stacks 06V - 6 stacks

Technical parameters

Model	Air supply pressure range bar	Rated air supply pressure bar	Max.vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)
AZW	4.0~7.0	6.0	95	140	135	74

Model	Solenoid valve rated working voltage V	Solenoid valve status	Solenoid valve rated power W	Working temperature °C	Weight kg	Recommended hose dia.mm	Air supply port P	Vacuum port V
AZW	DC24	Normally closed(NC)	5.4	0~60	1.2 2.3		φ10	φ10

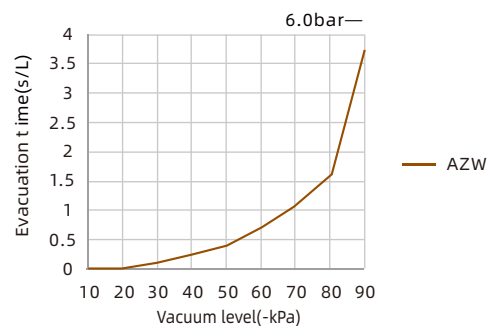
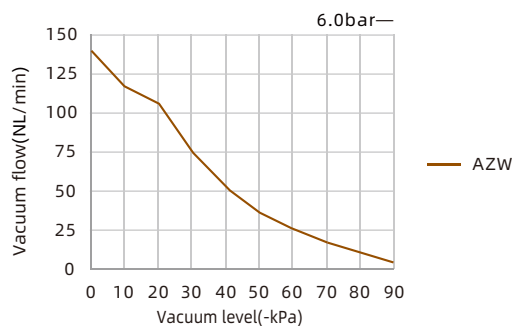
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AZW	6.0	135	140	117	106	76	54	36	26	18	11.5	5.2	95

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

Model	Air supply pressure bar	Air consumption NL/min	1	20	30	40	50	60	70	80	90	Max. vacuum level -kPa
AZW	6.0	135	0.01	0.02	0.08	0.23	0.43	0.71	1.04	1.61	3.72	95

◇ Note: The above data is the data of one stack, the actual air consumption and max. vacuum flow need to be multiplied by the number of stack of the vacuum generator



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

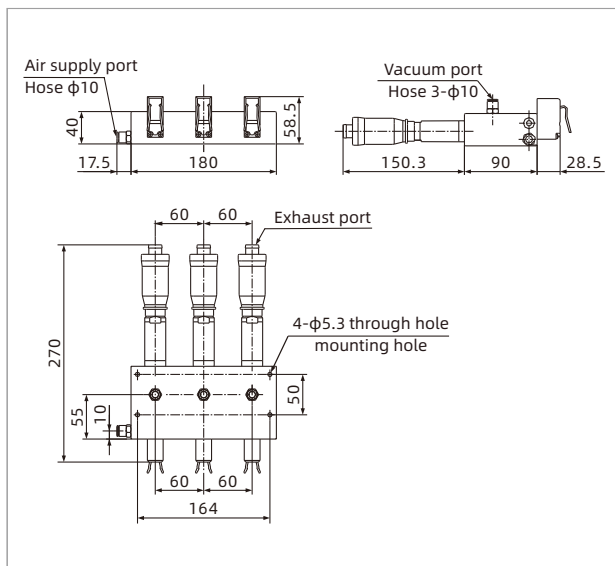
APB

AZW Series

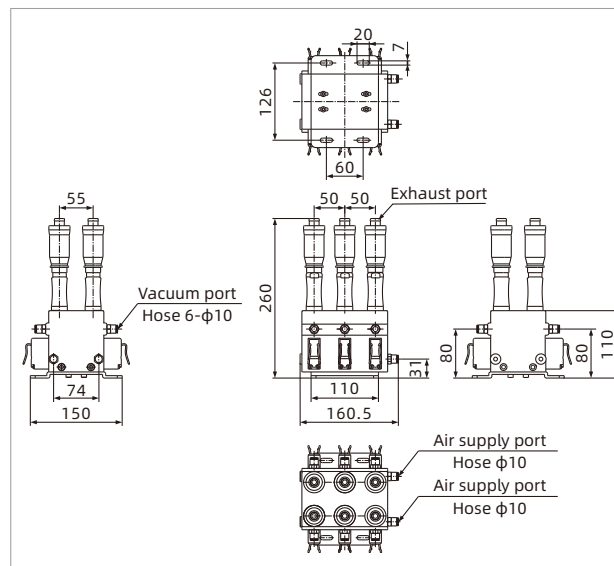
Large Flow Integrated Vacuum Generator



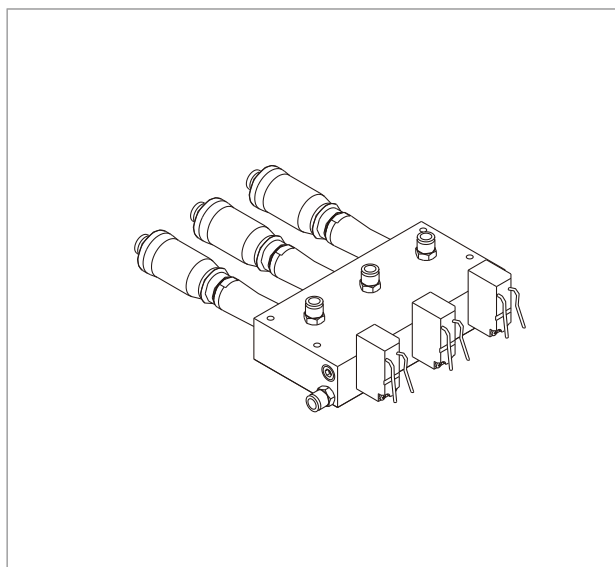
Dimensions(mm)



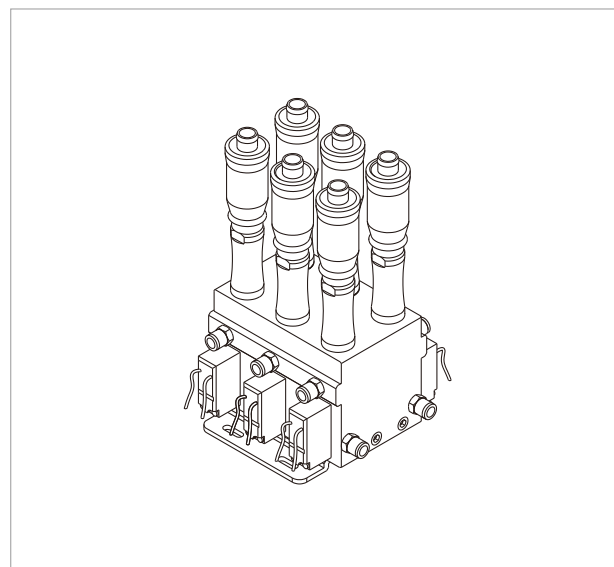
AZW-03V



AZW-06V



AZW-03V Schematic diagram



AZW-06V Schematic diagram

AZR Series

Mini Vacuum Generator

AIRBEST



ELECTRONICS



PLASTIC

RoHS

Features

- ◇ Small size, light weight
- ◇ High vacuum level type and large vacuum flow type are optional
- ◇ The generator has vacuum breaking function itself
- ◇ Separate vacuum filter and mounting bracket are optional

Advantages

- ◇ For the occasions with limited installation space and weight
- ◇ It can meet different requirements of vacuum flow in different working conditions
- ◇ There is no need for external control device, can quickly release the product
- ◇ Customers can choose freely according to the actual working conditions

Applications

- ◇ Suitable for handling electronic components and other small workpieces
- ◇ Suitable for working occasions where quick picking and quick release are required



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

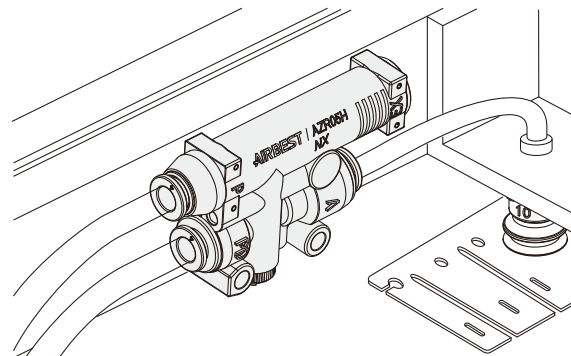
ALS

ACP

ACPF

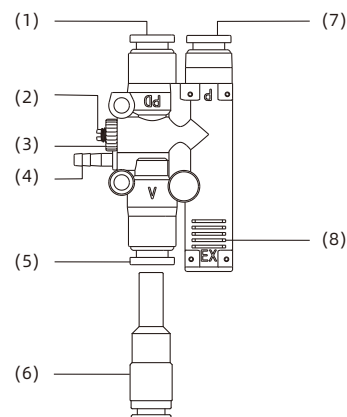
ACPS

APB



Structure

- ◇ (1) Release port
- ◇ (2) Vacuum release regulating valve
- ◇ (3) Lock nut
- ◇ (4) Vacuum detecting port
- ◇ (5) Vacuum port
- ◇ (6) Vacuum filter
- ◇ (7) Air supply port
- ◇ (8) Exhaust port



AZR Series

Mini Vacuum Generator



How to order

AZR 07 H - J - V - F
 ① ② ③ ④ ⑤ ⑥

① Series	② Nozzle Diameter	③ Specification	④ Exhaust way	⑤ Special specification	⑥ Vacuum filter
AZR	05 - ϕ 0.5mm	H - High vacuum level type	Nil - Direct exhaust	Nil - Standard type	Nil - Standard type
	07 - ϕ 0.7mm	L - Large vacuum flow type	J - Centralized exhaust	V - Vacuum detecting port	F - With vacuum filter

Selection

Model/ Nozzle Diameter	05		07	
AZR□□	AZR05H	AZR05L	AZR07H	AZR07L
AZR□□-J	AZR05H-J	AZR05L-J	AZR07H-J	AZR07L-J
AZR□□-J-F	AZR05H-J-F	AZR05L-J-F	AZR07H-J-F	AZR07L-J-F
AZR□□-J-V	AZR05H-J-V	AZR05L-J-V	AZR07H-J-V	AZR07L-J-V
AZR□□-J-V-F	AZR05H-J-V-F	AZR05L-J-V-F	AZR07H-J-V-F	AZR07L-J-V-F
AZR□□-V	AZR05H-V	AZR05L-V	AZR07H-V	AZR07L-V
AZR□□-V-F	AZR05H-V-F	AZR05L-V-F	AZR07H-V-F	AZR07L-V-F
AZR□□-F	AZR05H-F	AZR05L-F	AZR07H-F	AZR07L-F

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Max. break flow rate NL/min	Air consumption NL/min	Noise level dB(A)	Weight g	Air supply port P	Recommended hose dia. mm Vacuum port V
AZR05H	5.0	88	7.0	40	11	80	19	ϕ 4	ϕ 4
AZR07H	5.0	88	12.5	40	22	80	20	ϕ 6	ϕ 6
AZR05L	5.0	58	12.0	40	11	70	19	ϕ 4	ϕ 4
AZR07L	5.0	58	20.0	40	22	70	20	ϕ 6	ϕ 6

◇ Note: Max. air supply pressure is 6.0 bar.

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

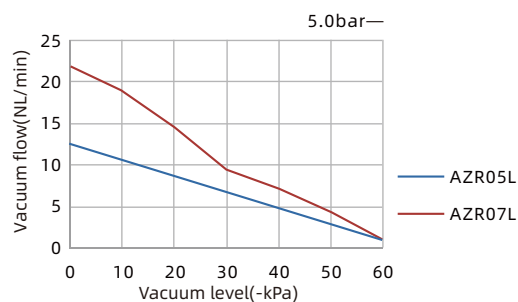
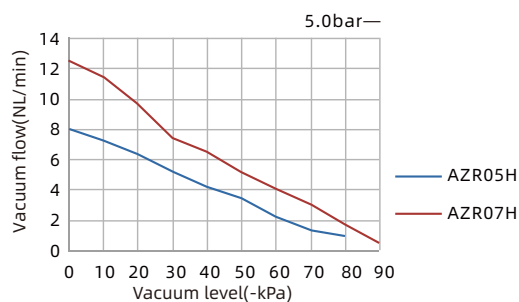
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AZR05H	5.0	11	8.0	7.3	6.3	5.2	4.2	3.4	2.2	1.4	1.0	88
AZR07H	5.0	22	12.5	11.5	9.7	7.4	6.5	5.2	4.1	3.0	1.7	88
AZR05L	5.0	11	12.5	10.5	8.7	6.9	5.0	2.9	1.0	-	-	58
AZR07L	5.0	22	22.0	19.1	14.5	9.4	7.2	4.3	1.0	-	-	58

AZR Series

Mini Vacuum Generator

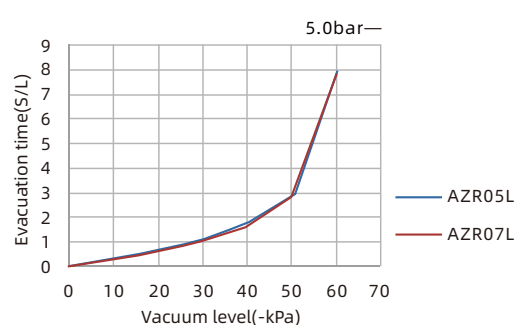
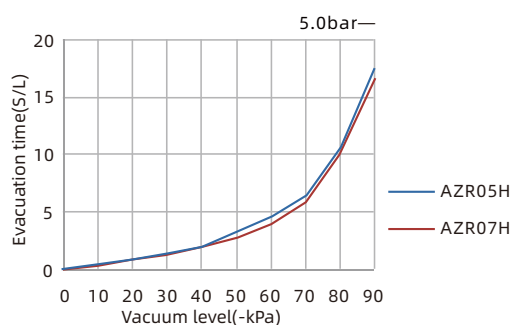
AIRBEST

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

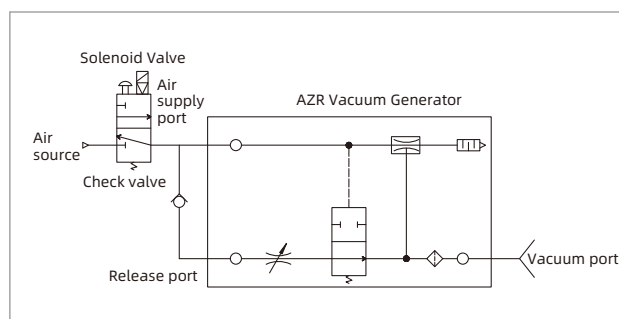


Evacuation time(s/L) to reach different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AZR05H	5.0	11	0.42	0.83	1.30	1.92	3.2	4.5	6.3	10.5	88
AZR07H	5.0	22	0.34	0.75	1.22	1.87	2.7	3.8	5.7	9.9	88
AZR05L	5.0	11	0.32	0.64	1.06	1.73	2.9	8.2	-	-	58
AZR07L	5.0	22	0.23	0.53	0.93	1.53	2.8	7.8	-	-	58



Air circuit schematic diagram



Vacuum release principle and attentions:

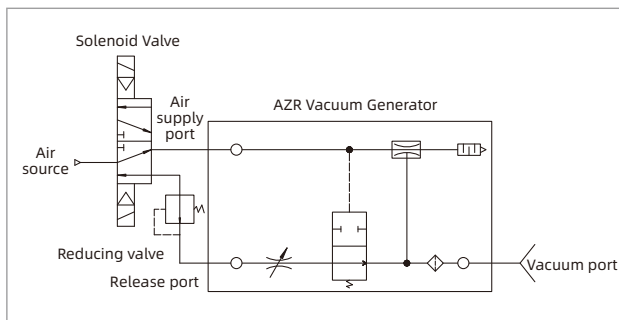
1. Close solenoid valve and stop air supply, open the release valve. The residual positive pressure air in the air circuit between check valve and release port flows into the vacuum circuit to release vacuum
2. Change the tube length between the check valve and release port to adjust the residual positive pressure air volume. In this way, the vacuum releasing time can be adjusted
3. The vacuum releasing flow of this way is small

AZR Series

Mini Vacuum Generator



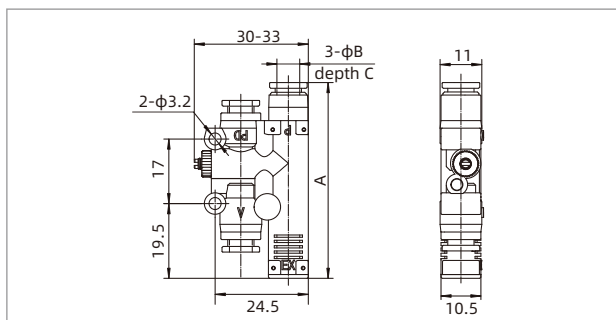
Air circuit schematic diagram



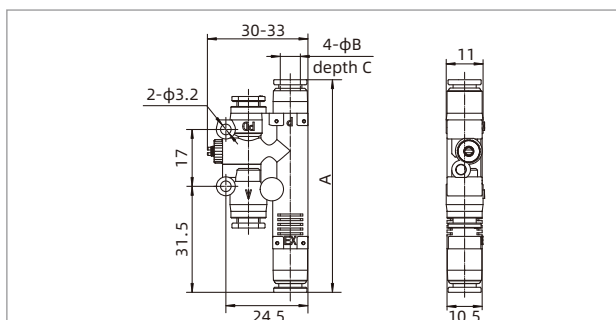
Vacuum release principle and attentions:

- ◇ 1. Close solenoid valve and stop air supply, open the release valve, and the positive pressure air flows directly into the vacuum circuit to release the vacuum
- ◇ 2. Can adjust the vacuum releasing time through controlling the air supply time of solenoid valve
- ◇ 3. Adjust the air releasing pressure through the reducing valve to avoid excessive pressure blowing away the workpiece
- ◇ 4. The air releasing pressure must be lower than air supply pressure of vacuum generator
- ◇ 5. The releasing flow and pressure can be adjusted freely as required

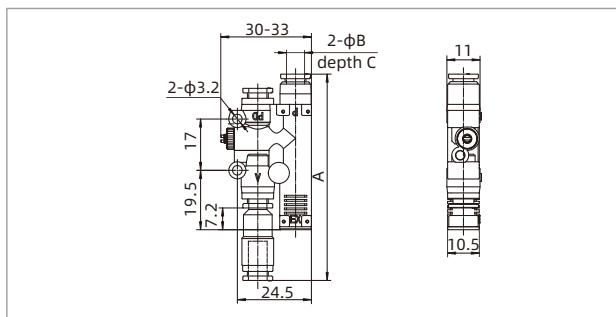
Dimensions(mm)



AZR□□



AZR□□-J



AZR□□-F

Model/Size	A	B	C
AZR05H	49.5	4	10
AZR05L	49.5	4	10
AZR07H	51.5	6	12.5
AZR07L	51.5	6	12.5

◇ Note: "C" is insert depth

Model/Size	A	B	C
AZR05H-J	61.5	4	10
AZR05L-J	61.5	4	10
AZR07H-J	63.5	6	12.5
AZR07L-J	63.5	6	12.5

◇ Note: "C" is insert depth

Model/Size	A	B	C
AZR05H-F	65.5	4	10
AZR05L-F	65.5	4	10
AZR07H-F	68.8	6	12.5
AZR07L-F	68.8	6	12.5

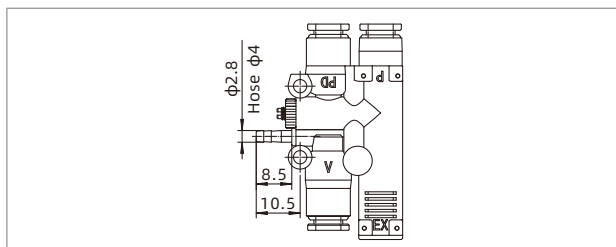
◇ Note: "C" is insert depth

AZR Series

Mini Vacuum Generator

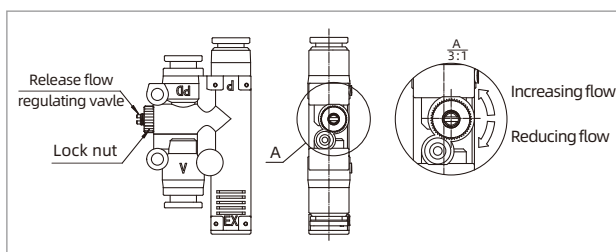


Dimensions(mm)



AZR□□-V

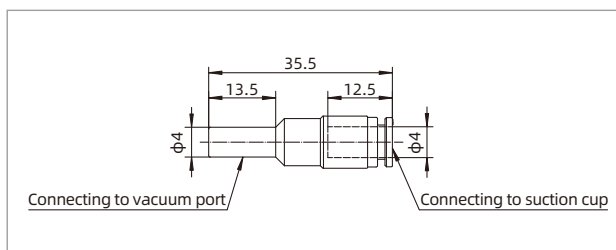
Vacuum release function



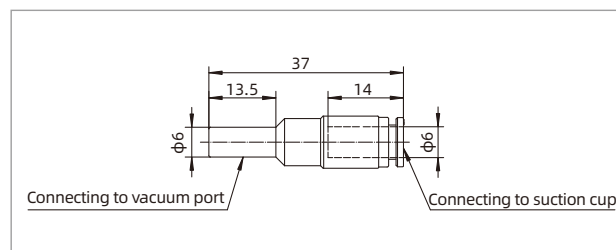
Vacuum releasing flow regulation:

- ◇1. Rotating clockwise the releasing flow regulating valve to reduce the releasing flow. Rotating counterclockwise the releasing flow regulating valve to increase the releasing flow
- ◇2. When regulation is finished, tighten the lock nut clockwise to fix the position of the regulating valve
- ◇3. The regulating valve has limited positions. When it can not be turned clockwise or counterclockwise, it means that the limit position has been reached

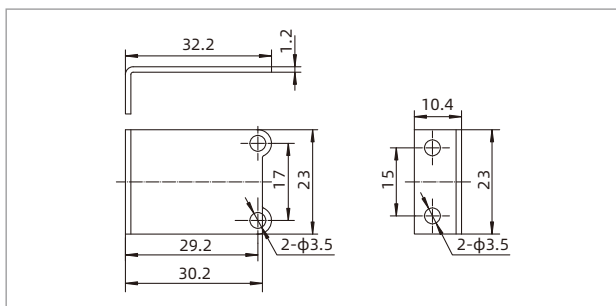
Repair kits dimensions(mm)



ZFD04 Vacuum filter



ZFD06 Vacuum filter



AZR-B Mounting bracket

Item	Model	Applicable vacuum generator
Vacuum filter	ZFD04	AZR05H、AZR05L
Vacuum filter	ZFD06	AZR07H、AZR07L
Mounting bracket	AZR-B	AZR05H、AZR05L、AZR07H、AZR07L

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ABT Series

Mini Vacuum Generator

AIRBEST



UNIVERSAL

Features

- ◇ Linear installation
- ◇ Long and thin plastic housing, compact size
- ◇ Quick plug connector for direct connection
- ◇ Optimal lateral direct exhaust design

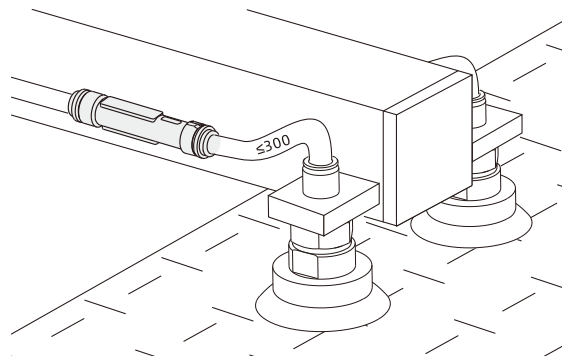
Advantages

- ◇ Can be connected to the hose directly
- ◇ Suitable for installation in narrow spaces
- ◇ Convenient connection, no additional installation accessories are required
- ◇ Minimize product noise



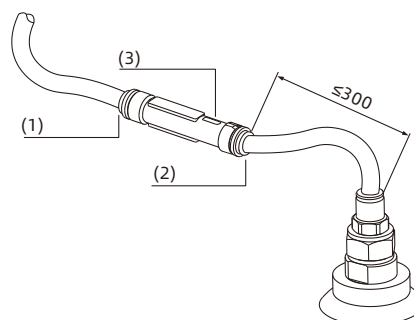
Applications

- ◇ The linear vacuum generator can be connected to the PU hose directly
- ◇ Suitable for the handling systems with limited space



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Exhaust port



ABT Series

Mini Vacuum Generator

AIRBEST

How to order

ABT - T05

① ②

① Series	② Specification
ABT	S02 X10 T05 P12 X2.5 D16 S08

Technical parameters

Model	Air supply pressure range bar	Rated air supply pressure bar	vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)	
									Air supply port	Vacuum port
ABT-S02	4.0~7.0	6.0	75	16.8	8	70	0~60	15	φ6	φ6
ABT-T05	4.0~7.0	5.0	81	18	18.5	70	0~60	15	φ6	φ6
ABT-X2.5	4.0~7.0	5.0	90	15.6	9.5	70	0~60	15	φ6	φ6
ABT-S08	4.0~7.0	6.0	75	46	27	73	0~60	29	φ8	φ8
ABT-X10	4.0~7.0	5.0	92	42	30	73	0~60	29	φ8	φ8
ABT-P12	2.0~7.0	3.14	90	42	29	73	0~60	29	φ8	φ8
ABT-D16	4.0~7.0	6.0	72	40	46	77	0~60	29	φ8	φ8

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
ABT-S02	6.0	8	16.8	12.2	6.3	4.6	3.9	3.0	2.0	-	-	75
ABT-T05	5.0	18.5	18	16.2	13.3	9.9	8.2	5.6	4.2	3.1	1.3	81
ABT-X2.5	5.0	9.5	15.6	11.6	6.6	4	3.3	2.6	1.7	-	-	90
ABT-S08	6.0	27	46	42	32.6	22.6	12	9.8	8.3	5.9	-	75
ABT-X10	5.0	30	42	40	30.6	22.2	13.5	8.9	6.6	4.5	2	92
ABT-P12	3.14	29	42	36	25.6	14.9	10.4	8.9	6.6	4.2	1.9	90
ABT-D16	6.0	46	40	38	30.5	26.7	22	17	12	3.5	-	72

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
ABT-S02	6.0	8	0.3	1.1	2.4	4.1	6.2	9	14.3	-	75
ABT-T05	5.0	18.5	0.18	0.52	1.11	1.98	3.35	5.45	8.5	14.6	81
ABT-X2.5	5.0	9.5	0.3	0.9	2.4	4.3	6.7	9.5	14.1	22.03	90
ABT-S08	6.0	27	0.07	0.2	0.39	0.74	1.35	2.14	3.35	-	75
ABT-X10	5.0	30	0.05	0.23	0.48	0.95	1.68	2.71	4.18	6.86	92
ABT-P12	3.14	29	0.12	0.29	0.59	1.07	1.86	2.66	4.33	6.72	90
ABT-D16	6.0	46	0.04	0.18	0.39	0.63	0.95	1.47	3.1	-	72

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

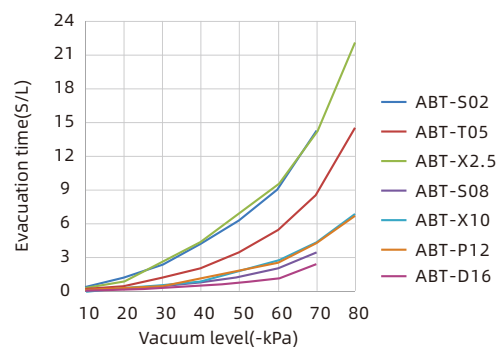
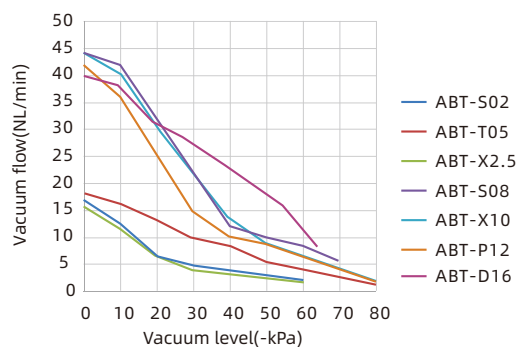
APB

ABT Series

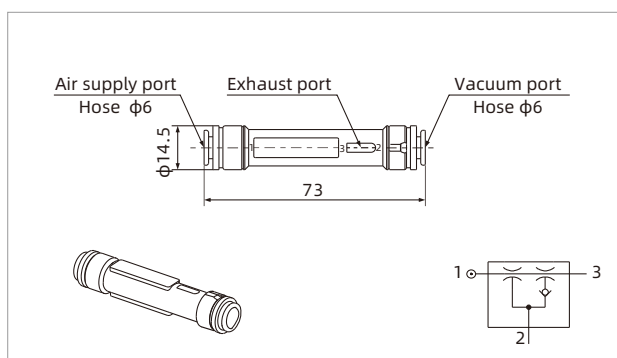
Mini Vacuum Generator



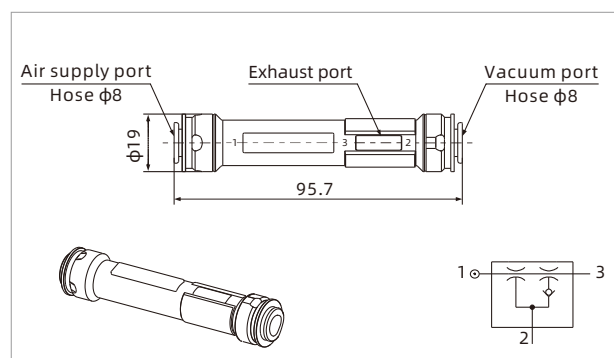
Technical parameters



Dimensions(mm)



ABT-S02/T05/X2.5



ABT-S08/X10/P12/D16

ABP Series

Vacuum Generator with Fast Blow-off

AIRBEST



UNIVERSAL

Features

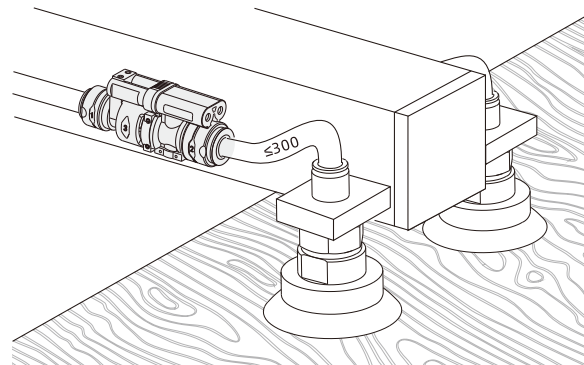
- ◇ Axial connection
- ◇ Plastic housing, compact size, light weight
- ◇ Connect plug-in fitting directly
- ◇ Optimal direct lateral exhaust design
- ◇ Built-in fast breaking device, no need of external drive

Advantages

- ◇ Connect hose directly
- ◇ Suitable for installing in narrow space
- ◇ Easy to mount, there is no need to add extra mounting accessories
- ◇ Reduce product noise most
- ◇ Release product fast

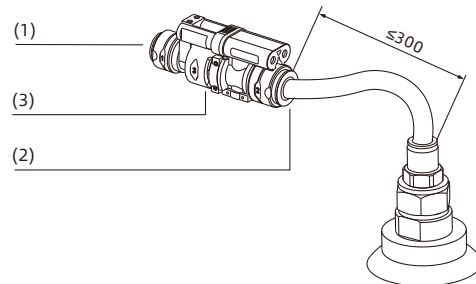
Applications

- ◇ The linear vacuum generator can be connected with the PU hose directly
- ◇ Suitable for the handling systems with limited space
- ◇ Suitable for occasions where there is no need of external drive and can automatically release workpiece fast
- ◇ Suitable for occasions where need to grip and release workpieces fastly, and there is requirement for light weight of whole equipment, etc.



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Exhaust port



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ABP Series

Vacuum Generator with Fast Blow-off

AIRBEST

How to order

ABP - 10

①

②

Series	Specification
ABP	10

Technical parameters

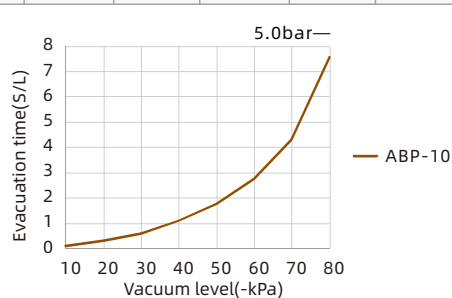
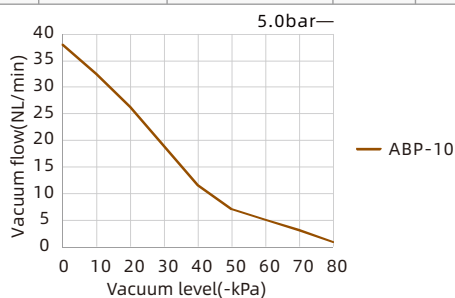
Model	Air supply pressure range bar	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)	
									Air supply port P	Vacuum port V
ABP-10	4.0~7.0	5.0	81	38	38	70	0~60	34	φ8	φ10

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

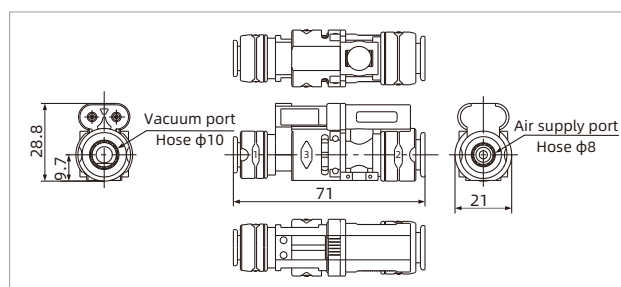
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ABP-10	5.0	38	38.0	32.4	26.3	18.9	11.5	7.1	5.0	3.2	0.8	81

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
ABP-10	5.0	38	0.12	0.32	0.61	1.08	1.76	2.73	4.29	7.58	81

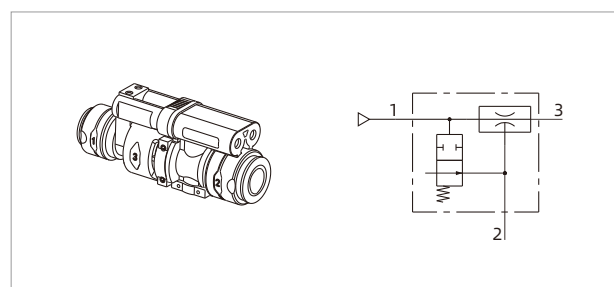


Dimensions(mm)



ABP-10

ABP-10 Air circuit schematic diagram



ABP-10

Note: 1. Air supply port, 2. Vacuum port, 3. Exhaust port

ABQ Series

Vacuum Generator with Fast Blow-off

AIRBEST



UNIVERSAL

Features

- ◇ Plastic housing, compact size and light weight
- ◇ Connect plug-in fitting directly
- ◇ Optimal direct lateral exhaust design
- ◇ Built-in fast blow-off device

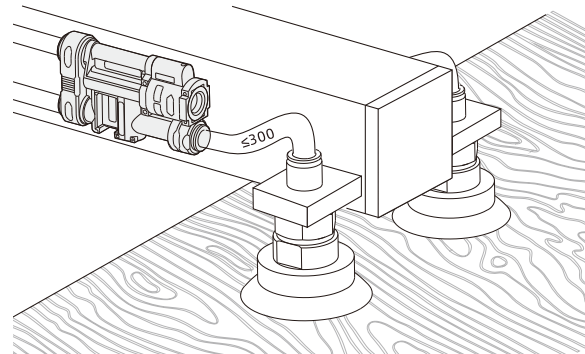
Advantages

- ◇ Suitable for installing in narrow space
- ◇ Easy installation, no need extra mounting accessory
- ◇ Minimize product noise
- ◇ Safe and reliable with fast blow-off system



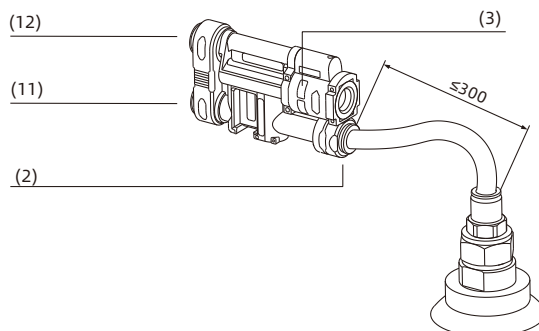
Applications

- ◇ Suitable for handling system with limited space
- ◇ Suitable for occasions where require safe and quick release of the workpieces
- ◇ Suitable for occasions where need to grip and release workpieces fastly, and there is requirement for light weight of whole equipment, etc.



Structure

- ◇ (11) Air supply port
- ◇ (12) Vacuum release port
- ◇ (2) Vacuum port
- ◇ (3) Exhaust port



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ABQ Series

AIRBEST

Vacuum Generator with Fast Blow-off

How to order

ABQ - 08

① ②

Series	Specification
ABQ	08

Technical parameters

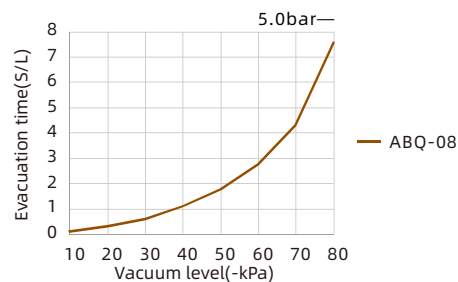
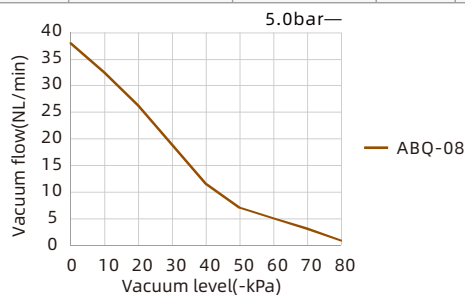
Model	Air supply pressure range bar	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)	
									Air supply port	Vacuum port
ABQ-08	4.0~7.0	5.0	81	38	38	70	0~60	55	φ8	φ8

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

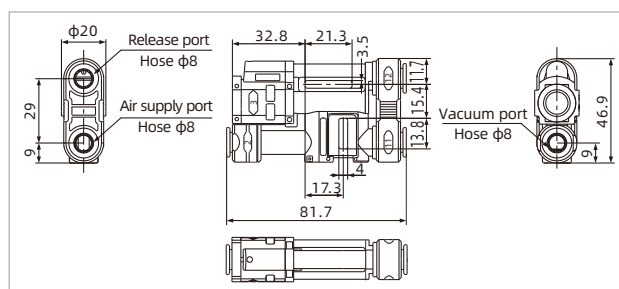
Model	Air supply pressure range bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ABQ-08	5.0	38	38.0	32.4	26.3	18.9	11.5	7.1	5.0	3.2	0.8	81

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

Model	Air supply pressure range bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ABQ-08	5.0	38	0.12	0.32	0.61	1.08	1.76	2.73	4.29	7.58	81

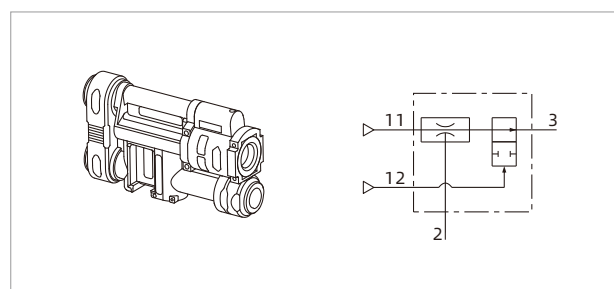


Dimensions(mm)



ABQ-08

ABQ-08 Air circuit schematic diagram



ABQ-08 Note: 11. Air supply port, 12. Release port, 3. Exhaust port, 2: Vacuum port

AEVC Series

Vacuum Generator with Fast Blow-off



METAL SHEET



PACKAGING



AUTOMOTIVE

Features

- ◇ Fast suction and blow-off
- ◇ Main body is made of plastic
- ◇ Suitable mounting bracket
- ◇ With built-in silencer

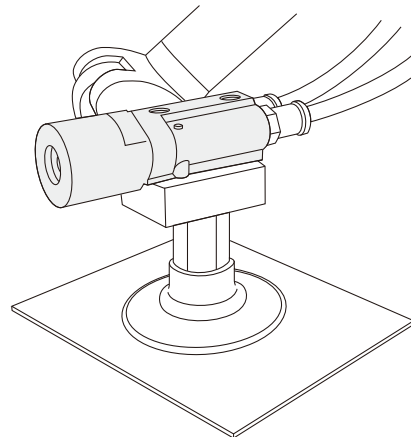
Advantages

- ◇ Short action cycle
- ◇ Small size, light weight, especially suitable for high speed working
- ◇ Could be fixed with suction cup and connector directly
- ◇ Reduce noise greatly



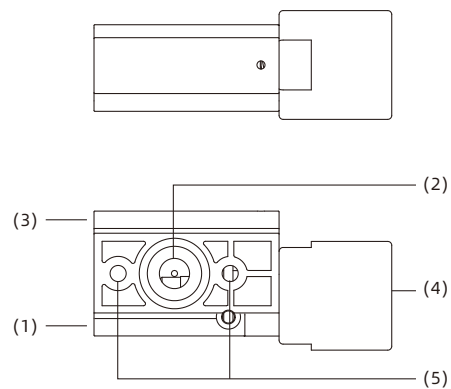
Applications

- ◇ Suitable for occasions where need blow-off function and short working cycle, such as metal sheet processing, automotive industry, packaging machine and industrial robot



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Release port
- ◇ (4) Silencer
- ◇ (5) Mounting hole



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AEVC Series



Vacuum Generator with Fast Blow-off

How to order

AEVC 10 - S - G2F

① ② ③ ④

Series	Nozzle diameter	Mounting type	Mounting thread
AEVC	10 - ϕ 1.0mm	Nil - Without mounting block S - Vertical mounting block L - Lateral mounting block B - Oval vertical mounting block	Nil - Without thread G1F - G1/8 female thread G2F - G1/4 female thread

Selection

Model/Mounting type	Nil - Without mounting block	S - Vertical mounting block	L - Lateral mounting block	B - Oval vertical mounting block
AEVC10		AEVC10-S-G2F	AEVC10-L-G2F	AEVC10-B-G1F AEVC10-B-G2F

Technical parameters

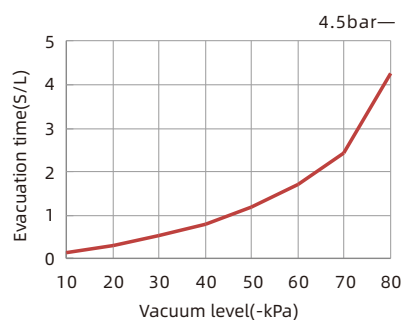
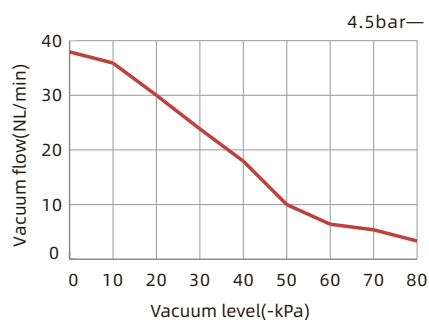
Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max.vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g
AEVC10	4.5	85	35	48.5	73.5	64

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
AEVC10	4.5	48.5	35.0	32.0	30.0	24.0	18.0	10.0	6.5	5.5	3.3	85

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
AEVC10	4.5	48.5	0.14	0.30	0.54	0.81	1.19	1.70	2.42	4.27	85

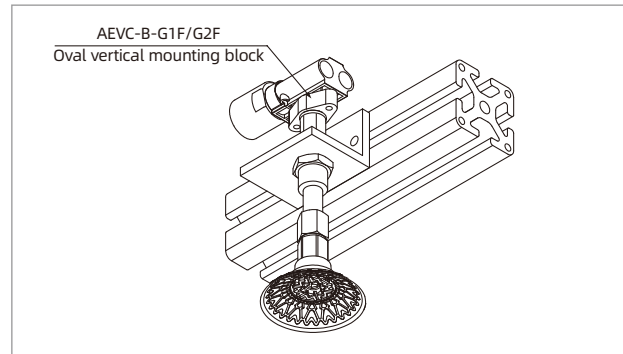
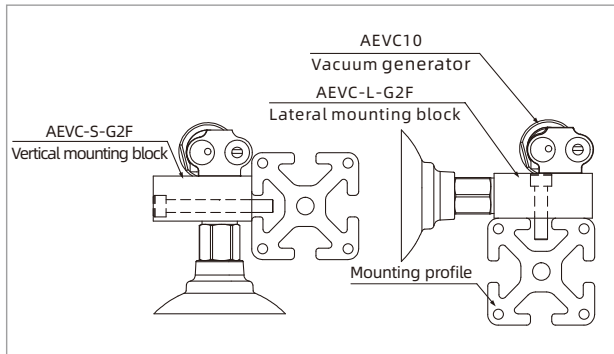


AEVC Series

Vacuum Generator with Fast Blow-off

AIRBEST

Installation instruction



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

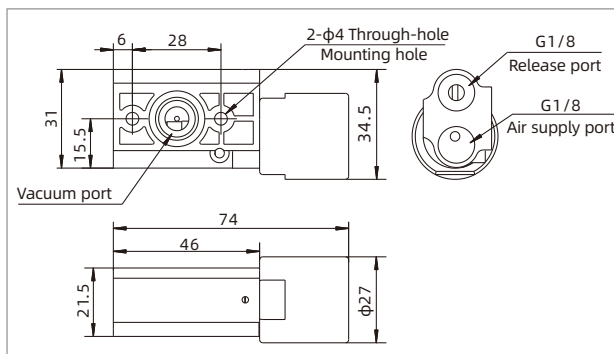
ACP

ACPF

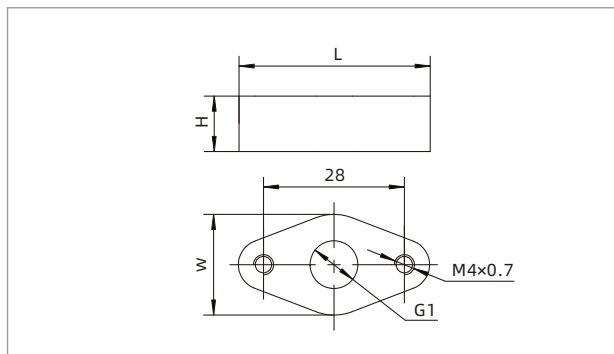
ACPS

APB

Dimensions(mm)

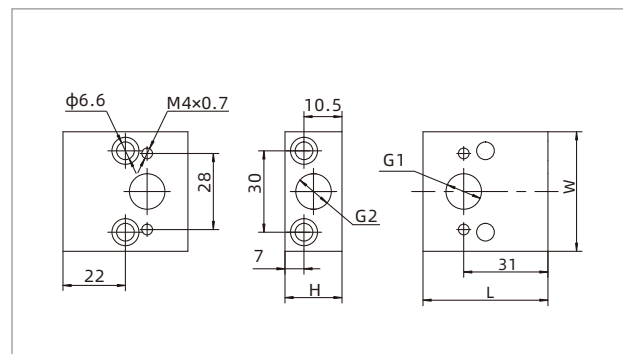


AEVC10



AEVC-B-G1F

AEVC-B-G2F



AEVC-S-G2F

AEVC-L-G2F

Model/Size	L	W	H	G1	G2
AEVC-L-G2F	46	44	21	G1/4	-
AEVC-S-G2F	46	44	21	-	G1/4
AEVC-B-G1F	38	20	11	G1/8	-
AEVC-B-G2F	38	20	11	G1/4	-

Accessory Selection

Item	Model
S type Vertical mounting block-G1/4	AEVC-S-G2F
L type Vertical mounting block-G1/4	AEVC-L-G2F

Item	Model
B type Oval vertical mounting block-G1/8	AEVC-B-G1F
B type Oval vertical mounting block-G1/4	AEVC-B-G2F

AZL Series

Multistage Vacuum Generator

AIRBEST



METAL SHEET



PACKAGING



PLASTIC

RoHS

Features

- ◇ Multi-level and energy-efficient design
- ◇ Optional solenoid valve and pressure switch
- ◇ Built-in vacuum filter and silencer
- ◇ Vertical and lateral mounting holes for option

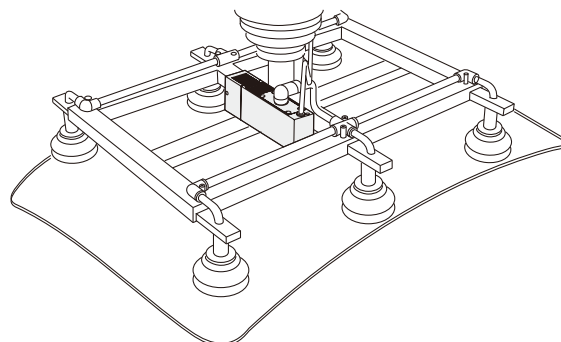
Advantages

- ◇ Vacuum flow can be increased, save air consumption and shorten working cycle
- ◇ Control function is optional, no need of separate external connection to save space and reduce cost
- ◇ Minimize noise, the filter element is replaceable
- ◇ A variety of installation ways are available



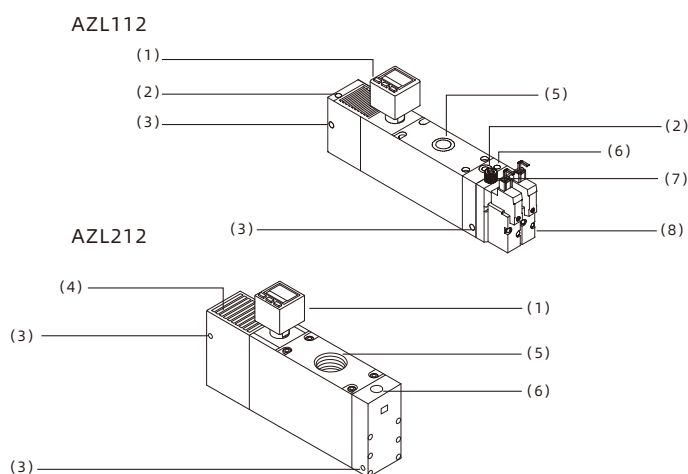
Applications

- ◇ Suitable for handling of cartons, metal sheet and plastics
- ◇ Suitable for occasions which require large vacuum flow, fast evacuation and low air consumption



Structure

- ◇ (1) Pressure switch
- ◇ (2) Vertical mounting hole
- ◇ (3) Lateral mounting hole
- ◇ (4) Exhaust port
- ◇ (5) Vacuum port
- ◇ (6) Air supply port
- ◇ (7) Vacuum release valve
- ◇ (8) Vacuum supply valve



AZL Series

Multistage Vacuum Generator

AIRBEST

How to order

AZL 112 - A - DCN

① ② ③ ④

① Series	② Nozzle diameter	③ Control valve	④ Digital vacuum pressure switch
AZL	112 - 1×φ1.2mm 212 - 2×φ1.2mm	Nil - Without vacuum supply valve and vacuum release valve A - With vacuum supply valve and vacuum release valve	Nil - Default, without external vacuum port NP - With vacuum port Rc1/8, without pressure switch DCN - Compound pressure switch (-100.0~100.0kPa), 2NPN+V(1-5V) DCP - Compound pressure switch (-100.0~100.0kPa), 2PNP+V(1-5V)

Selection-AZL112 Series

Model/Control valve Nil- Without control valve	A - With vacuum supply valve +vacuum release valve
AZL112	AZL112-A
AZL112-NP	AZL112-A-NP
AZL112-DCN	AZL112-A-DCN
AZL112-DCP	AZL112-A-DCP

Selection-AZL212 Series

Model/Control valve Nil- Without control valve	A - With vacuum supply valve +vacuum release valve
AZL212	-
AZL212-NP	-
AZL212-DCN	-
AZL212-DCP	-

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Recommended hose dia.(mm) Air supply port (P)	Vacuum port (V)
AZL112	4.0	84	100	63	70	5~50	φ6	φ12
AZL212	4.0	84	200	126	77	5~50	φ8	φ12

◇ Note: Max.operating pressure 7bar, recommended air supply pressure range 2-5bar. Noise level is measured by the vacuum generator with built-in silencer.

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
AZL112	4.0	63	100.0	65.0	26.0	20.0	18.5	13.0	8.0	5.0	2.8	84
AZL212	4.0	126	200.0	150.0	52.0	40.0	30.0	25.0	15.0	8.0	3.0	84

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
AZL112	4.0	63	0.05	0.17	0.40	0.67	1.07	1.63	2.46	3.9	84
AZL212	4.0	126	0.02	0.08	0.25	0.42	0.65	0.98	1.52	2.46	84

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

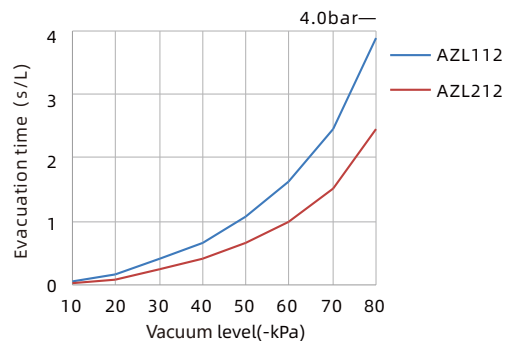
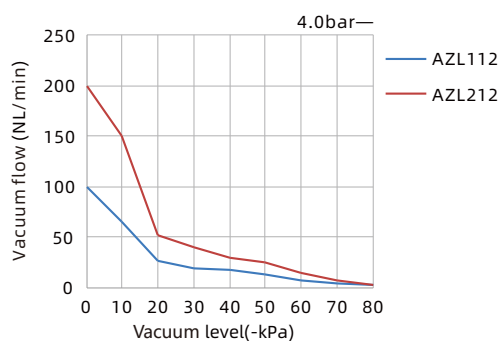
ACPS

APB

AZL Series

Multistage Vacuum Generator

AIRBEST

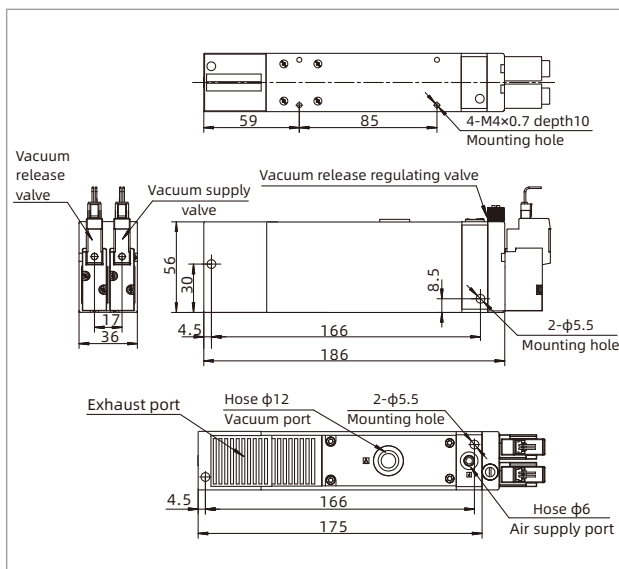


Technical parameters- Control valve

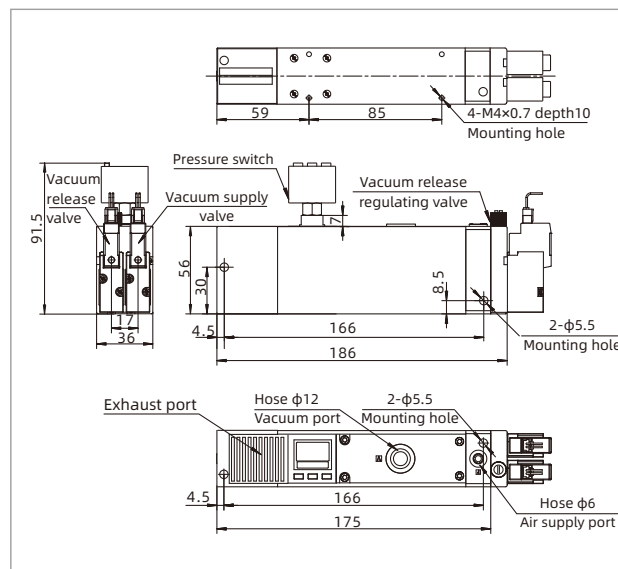
Type of valve actuation	Internal pilot type NC (normally closed)
Operating pressure range	2.0~5.0bar
Rated voltage	24V
Ambient and fluid temperature	5~50°C
Response time(at 0.5Mpa)	25ms below
Max. operating frequency	5Hz
Manual operation	Slotted locking type

Pilot exhaust type	Individual exhaust,concentrated exhaust
Lubrication	Not required
Mounting position	Unrestricted
Impact/Vibration resistance	150/30m/s ²
Enclosure	Dust-proof
Lead wire type	Direct lead out type, lead wire length 0.3m

Dimensions(mm)



AZL112-A



AZL112-A-DCN

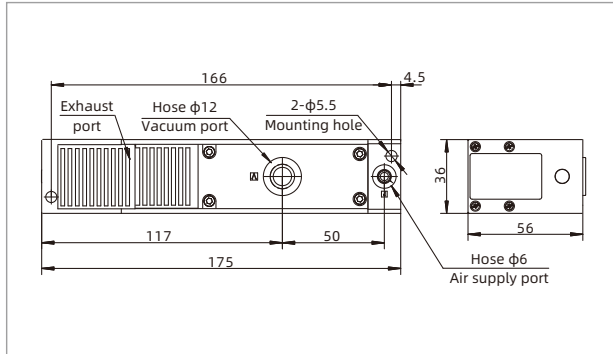
AZL112-A-DCP

AZL Series

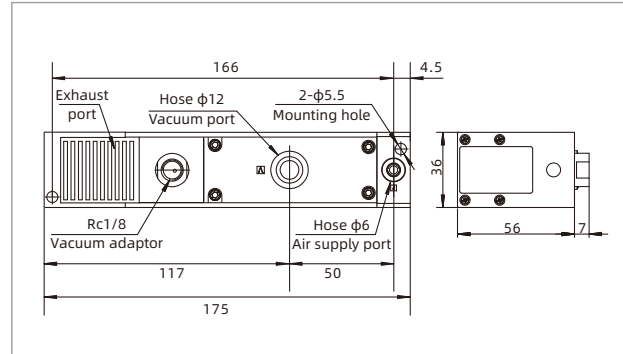
Multistage Vacuum Generator

AIRBEST

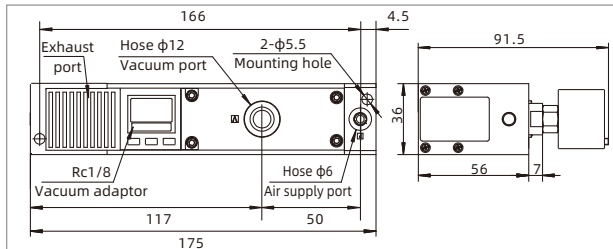
Dimensions(mm)



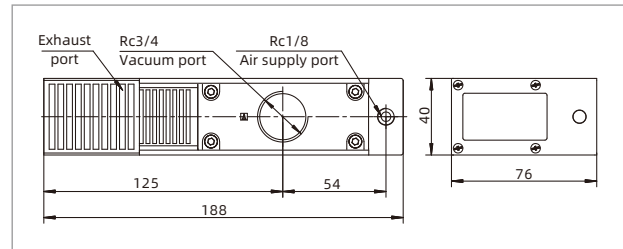
AZL112



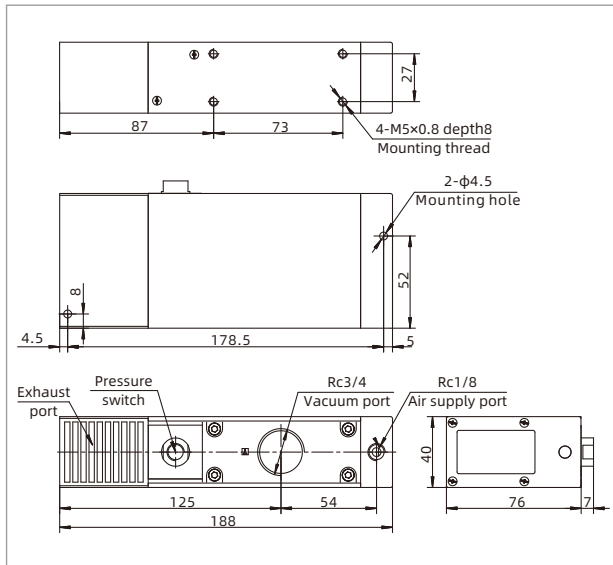
AZL112-NP



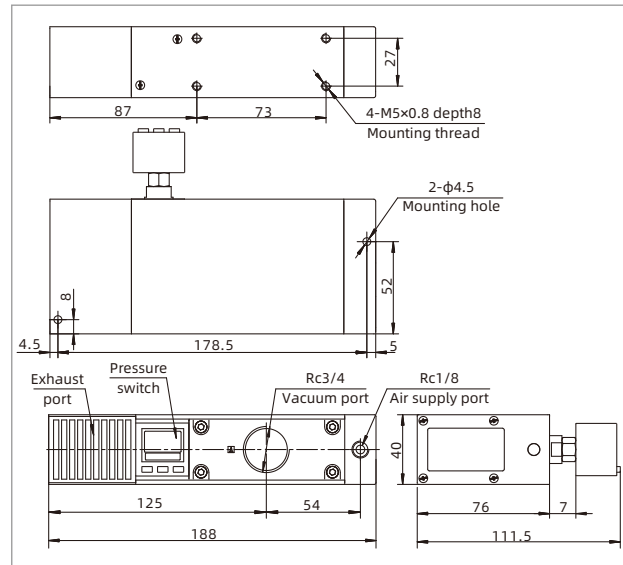
AZL112-DCN AZL112-DCP



AZL212



AZL212-NP



AZL212-DCN AZL212-DCP

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ALH Series

Mini Vacuum Generator

AIRBEST



UNIVERSAL

Features

- ◇ Small size, light weight.
- ◇ Standard quick connector, connection, fast and convenient

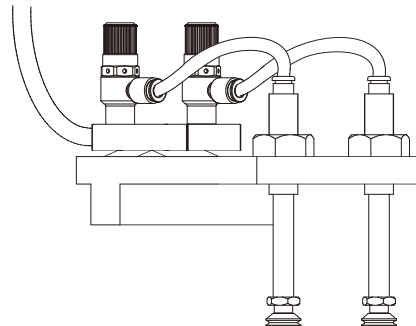
Advantage

- ◇ Standard quick connector, connection, fast and convenient
- ◇ Centralized exhaust option available
- ◇ Low noise level



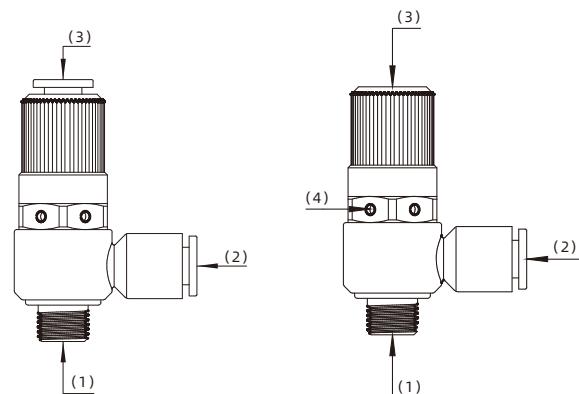
Application

- ◇ Suitable for handling electronic components and other small workpieces



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Exhaust port
- ◇ (4) Exhaust port



ALH Series

Mini Vacuum Generator

AIRBEST

How to order

ALH 07 E - A6 - J

① Series	Nozzle diameter	③ Specification	④ Vacuum port specifications	⑤ Exhaust
ALH	07 - Nozzle diameter 0.7mm	E - Low air supply pressure type	A6 - $\phi 6$ quick connector	Nil - Default direct exhaust J - Centralized exhaust

Technical parameters

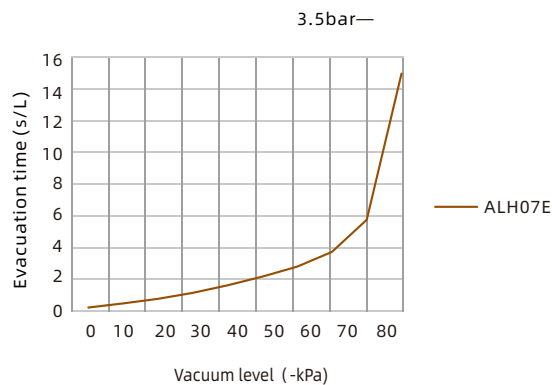
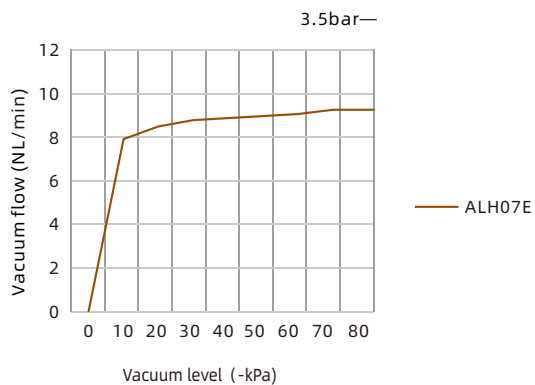
Model	Rated air supply pressure bar	Air supply pressure range bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g
ALH07E-A6	3.5	3.0~6.0	90	9.5	20	70	37
ALH07E-A6-J	3.5	3.0~6.0	90	9.5	20	-	40

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

Model	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ALH07E	0	8.3	8.9	9.2	9.3	9.4	9.5	9.7	9.7	90

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

Model	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ALH07E	0	0.7	1.5	2.5	3.8	5.3	7	9.5	15	90



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

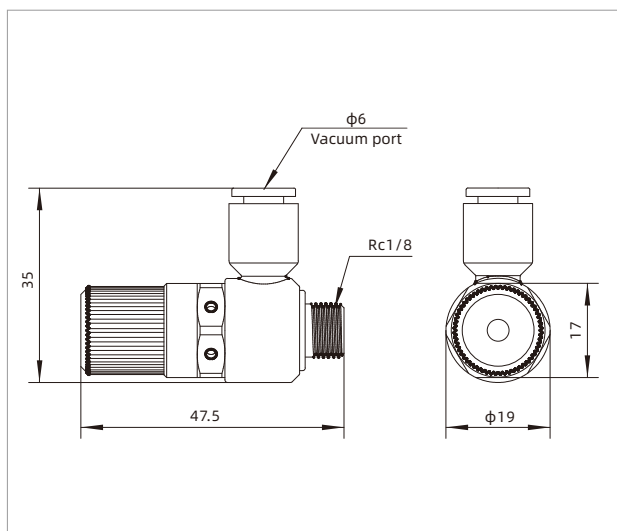
APB

ALH Series

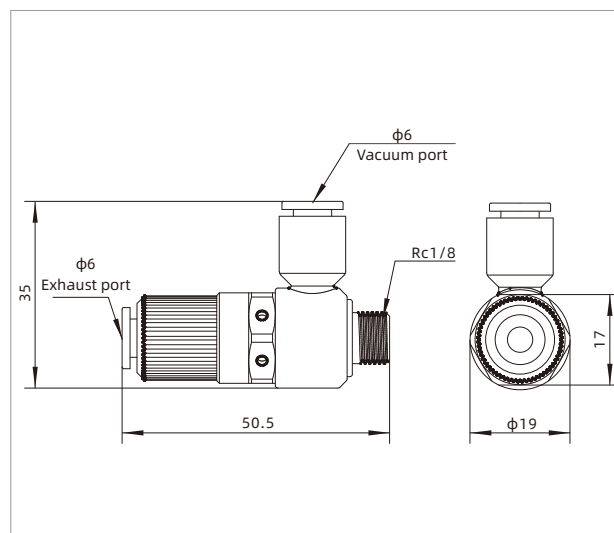
Mini Vacuum Generator



Dimensions (mm)



ALH07E-A6



ALH07E-A6-J

AZH Series

Basic Vacuum Generator

AIRBEST



UNIVERSAL

RoHS

Features

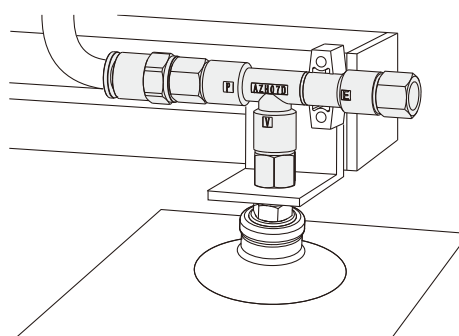
- ◇ Single stage vacuum generator with plastic housing
- ◇ High vacuum level type and large vacuum flow type for option
- ◇ Body ported type and box type for option
- ◇ Thread connection or one-touch fitting for port connection

Advantages

- ◇ Small size, light weight and cost-effective
- ◇ Suitable for various occasions
- ◇ Box type with built-in silencer to reduce noise
- ◇ Thread connection and one-touch fitting for option

Applications

- ◇ Widely used in all kinds of vacuum systems
- ◇ Suitable for various handling operations such as automotive, metal sheet, wood, food and packaging, etc.
- ◇ High vacuum type and large flow type for different occasions



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

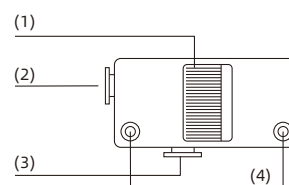
ACPS

APB

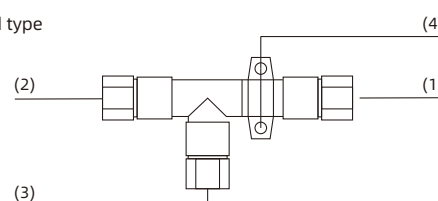
Structure

- ◇ (1) Exhaust port
- ◇ (2) Air supply port
- ◇ (3) Vacuum port
- ◇ (4) Mounting hole

B - Box type



D - Body ported type



AZH Series

Basic Vacuum Generator



How to order

AZH 07 B S - 06 - 06
 AZH 07 D S - 01 - 01 - 01

① ② ③ ④ ⑤ ⑥ ⑦

① Series	② Nozzle diameter	③ Shape	④ Specification	⑤ Air supply port	⑥ Vacuum port	⑦ Exhaust port
AZH	05 - ϕ 0.5mm	B - Box type	S - High vacuum level type (-88kPa)	06 - ϕ 6 One-touch fitting	06 - ϕ 6 One-touch fitting	06 - ϕ 6 One-touch fitting
	07 - ϕ 0.7mm	D - Body ported type		08 - ϕ 8 One-touch fitting	10 - ϕ 10 One-touch fitting	08 - ϕ 8 One-touch fitting
	10 - ϕ 1.0mm			10 - ϕ 10 One-touch fitting	12 - ϕ 12 One-touch fitting	10 - ϕ 10 One-touch fitting
	13 - ϕ 1.3mm		L - Large vacuum flow type (-48kPa)	12 - ϕ 12 One-touch fitting	16 - ϕ 16 One-touch fitting	12 - ϕ 12 One-touch fitting
	15 - ϕ 1.5mm			01 - Rc1/8 Female thread	01 - Rc1/8 Female thread	16 - ϕ 16 One-touch fitting
	18 - ϕ 1.8mm			02 - Rc1/4 Female thread	02 - Rc1/4 Female thread	01 - Rc1/8 Female thread
	20 - ϕ 2.0mm			03 - Rc3/8 Female thread	03 - Rc3/8 Female thread	02 - Rc1/4 Female thread
					04 - Rc1/2 Female thread	03 - Rc3/8 Female thread
						04 - Rc1/2 Female thread

Selection-Box type

Model/Shape BS		BL	
AZH05BS-06-06	AZH05BS-01-01	AZH05BL-06-06	AZH05BL-01-01
AZH07BS-06-06	AZH07BS-01-01	AZH07BL-06-06	AZH07BL-01-01
AZH10BS-06-06	AZH10BS-01-01	AZH10BL-06-06	AZH10BL-01-01
AZH13BS-08-10	AZH13BS-01-02	AZH13BL-08-10	AZH13BL-01-02

Selection-Body ported type

Model/Shape DS		DL	
AZH05DS-06-06-06	AZH05DS-01-01-01	AZH05DL-06-06-06	AZH05DL-01-01-01
AZH07DS-06-06-06	AZH07DS-01-01-01	AZH07DL-06-06-06	AZH07DL-01-01-01
AZH10DS-06-06-08	AZH10DS-01-01-01	AZH10DL-06-06-08	AZH10DL-01-01-01
AZH13DS-08-10-10	AZH13DS-01-02-02	AZH13DL-08-10-10	AZH13DL-01-02-02
AZH15DS-10-12-12	AZH15DS-02-03-03	AZH15DL-10-12-12	AZH15DL-02-03-03
AZH18DS-12-12-12	AZH18DS-03-03-03	AZH18DL-12-12-12	AZH18DL-03-03-03
AZH20DS-12-16-16	AZH20DS-03-04-04	AZH20DL-12-16-16	AZH20DL-03-04-04

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa		Max. vacuum flow NL/min		Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)		
		S	L	S	L					Air supply port S	Vacuum port V	Exhaust port E
AZH05B	4.5	88	48	5	9	13.5	68	5~50	28	ϕ 6	ϕ 6	-
AZH07B	4.5	88	48	12	22	23.5	68	5~50	28	ϕ 6	ϕ 6	-
AZH10B	4.5	88	48	24	34	46.0	72	5~50	33	ϕ 6	ϕ 6	-
AZH13B	4.5	88	48	40	75	78.0	72	5~50	66	ϕ 8	ϕ 10	-

AZH Series

Basic Vacuum Generator



Technical parameters

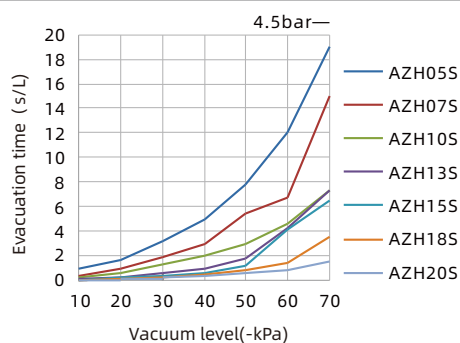
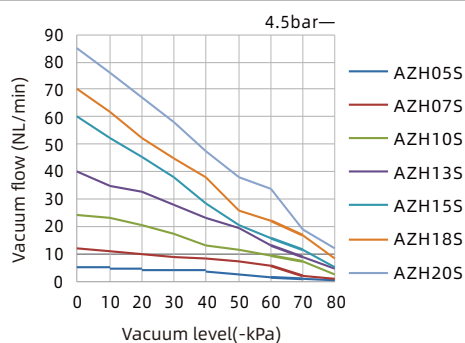
Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)
		S	L	S	L			Air supply port S Vacuum port V Exhaust port E
AZH05D	4.5	88	48	7.5	9	13.5	75	5~50 11 φ6 φ6 φ6
AZH07D	4.5	88	48	12	22	23.5	75	5~50 12 φ6 φ6 φ6
AZH10D	4.5	88	48	24	34	46.0	68	5~50 16 φ6 φ6 φ8
AZH13D	4.5	88	48	40	75	78.0	68	5~50 27 φ8 φ10 φ10
AZH15D	4.5	88	53	60	80	97.0	72	5~50 43 φ10 φ12 φ12
AZH18D	4.5	88	53	70	110	150.0	72	5~50 55 φ12 φ12 φ12
AZH20D	4.5	88	53	85	140	185.0	75	5~50 95 φ12 φ16 φ16

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
AZH05S	4.5	13.5	5.0	4.5	4.1	3.8	3.3	2.3	1.6	0.9	0.3	88
AZH07S	4.5	23.5	12.0	11.0	10.0	9.0	8.0	7.0	5.5	2.1	0.8	88
AZH10S	4.5	46.0	24.0	23.0	20.5	17.5	13.0	11.5	9.5	7.0	2.5	88
AZH13S	4.5	78.0	40.0	35.0	32.5	28.0	23.0	19.5	13.0	9.0	4.5	88
AZH15S	4.5	97.0	60.0	52.5	45.5	38.0	28.5	20.5	15.5	11.5	5.0	88
AZH18S	4.5	150.0	70.0	62.0	52.0	45.0	38.0	26.0	22.0	16.5	8.5	88
AZH20S	4.5	185.0	85.0	76.0	67.0	58.0	47.5	38.0	33.5	19.0	12.0	88

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	Max. vacuum level -kPa
AZH05S	4.5	13.5	0.89	1.70	3.20	5.00	7.80	12.00	19.00	88
AZH07S	4.5	23.5	0.37	1.00	1.90	3.00	5.40	6.70	15.00	88
AZH10S	4.5	46.0	0.25	0.60	1.25	2.00	2.90	4.60	7.30	88
AZH13S	4.5	78.0	0.10	0.27	0.53	1.00	1.75	4.20	7.30	88
AZH15S	4.5	97.0	0.04	0.21	0.35	0.63	1.23	4.10	6.50	88
AZH18S	4.5	150.0	0.02	0.15	0.29	0.46	0.78	1.38	3.51	88
AZH20S	4.5	185.0	0.02	0.12	0.21	0.34	0.55	0.85	1.58	88



AZH Series

Basic Vacuum Generator



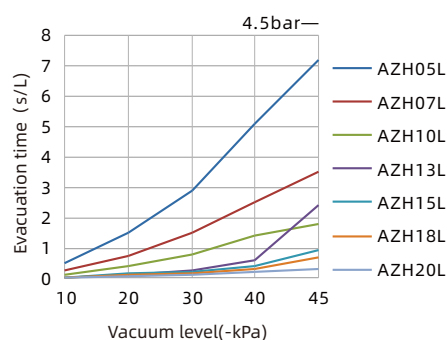
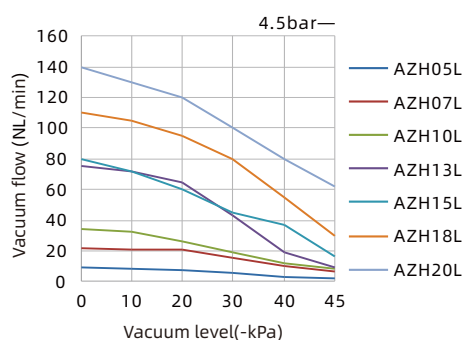
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	45	Max. vacuum level -kPa
AZH05L	4.5	13.5	9.0	8.0	7.0	6.0	3.0	1.9	48
AZH07L	4.5	23.5	22.0	21.0	20.5	15.5	10.5	6.8	48
AZH10L	4.5	46.0	34.0	32.0	26.0	19.0	12.0	8.0	48
AZH13L	4.5	78.0	75.0	72.0	65.0	43.0	19.0	9.0	48
AZH15L	4.5	97.0	80.0	72.0	60.0	45.0	36.5	16.0	53
AZH18L	4.5	150.0	110.0	105.0	95.0	80.0	55.0	30.0	53
AZH20L	4.5	185.0	140.0	130.0	120.0	100.0	80.0	62.0	53

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

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	45	Max. vacuum level -kPa
AZH05L	4.5	13.5	0.49	1.50	2.90	5.10	7.20	48
AZH07L	4.5	23.5	0.28	0.75	1.50	2.50	3.50	48
AZH10L	4.5	46.0	0.14	0.40	0.81	1.40	1.80	48
AZH13L	4.5	78.0	0.04	0.12	0.24	0.62	2.40	48
AZH15L	4.5	97.0	0.03	0.15	0.23	0.40	0.92	53
AZH18L	4.5	150.0	0.02	0.10	0.18	0.32	0.67	53
AZH20L	4.5	185.0	0.01	0.08	0.14	0.20	0.30	53

Technical parameters

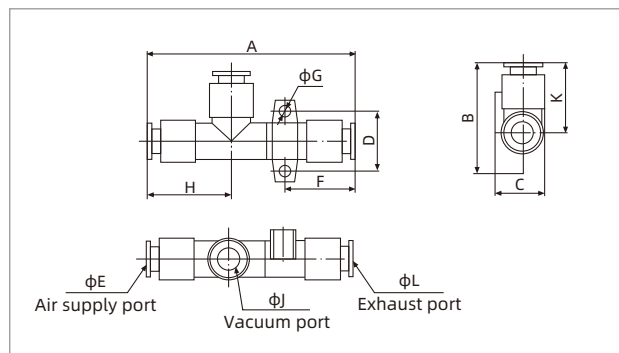


AZH Series

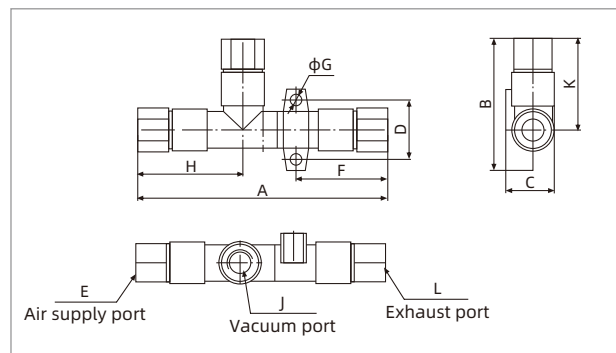
Basic Vacuum Generator



Dimensions(mm)



AZH - D Body ported type(One-touch fitting)



AZH - D Body ported type(Female thread connection)

Model/Size	A	B	C	D	E	F	G	H	L	K	J
AZH05DS-06-06-06	58.5	34.0	14.2	17.0	6	21.0	3.2	24.0	6	22.0	6
AZH07DS-06-06-06	61.0	34.0	14.2	17.0	6	22.0	3.2	24.0	6	22.0	6
AZH10DS-06-06-08	66.0	37.0	17.2	20.0	6	24.5	4.2	26.0	8	23.0	6
AZH10DL-06-06-08	70.0	37.0	17.2	20.0	6	24.5	4.2	26.0	8	23.0	6
AZH13DS-08-10-10	74.0	42.5	20.0	22.0	8	27.0	4.2	28.0	10	27.5	10
AZH13DL-08-10-10	79.5	42.5	20.0	22.0	8	27.0	4.2	28.0	10	27.5	10
AZH15DS-10-12-12	93.3	47.0	22.5	27.0	10	32.8	4.2	31.5	12	29.5	12
AZH18DS-12-12-12	114.0	41.0	21.0	10.0	12	50.0	3.5	35.5	12	30.5	12
AZH20DS-12-16-16	124.6	46.0	27.0	12.0	12	54.3	3.5	38.5	16	32.7	16

AZH - D Body ported type(One-touch fitting)

Model/Size	A	B	C	D	E	F	G	H	L	K	J
AZH05DS-01-01-01	73.5	41.5	14.2	17.0	Rc1/8	28.5	3.2	31.5	Rc1/8	29.5	Rc1/8
AZH07DS-01-01-01	76.0	41.5	14.2	17.0	Rc1/8	29.5	3.2	31.5	Rc1/8	29.5	Rc1/8
AZH10DS-01-01-01	82.0	44.5	17.2	20.0	Rc1/8	33.0	4.2	33.5	Rc1/8	30.5	Rc1/8
AZH10DL-01-01-01	86.0	44.5	17.2	20.0	Rc1/8	33.0	4.2	33.5	Rc1/8	30.5	Rc1/8
AZH13DS-01-02-02	94.5	54.0	20.0	22.0	Rc1/8	38.5	4.2	36.5	Rc1/4	39.0	Rc1/4
AZH13DL-01-02-02	99.5	54.0	20.0	22.0	Rc1/8	38.5	4.2	36.5	Rc1/4	39.0	Rc1/4
AZH15DS-02-03-03	116.5	58.5	22.5	27.0	Rc1/4	44.5	4.2	43.0	Rc3/8	41.0	Rc3/8
AZH18DS-03-03-03	133.0	52.5	21.0	10.0	Rc3/8	57.5	3.5	47.0	Rc3/8	42.0	Rc3/8
AZH20DS-03-04-04	151.0	61.0	27.0	12.0	Rc3/8	69.3	3.5	50.0	Rc1/2	47.7	Rc1/2

AZH - D Body ported type(Female thread connection)

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

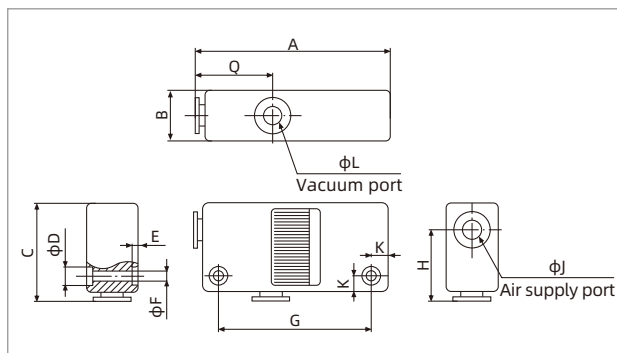
APB

AZH Series

Basic Vacuum Generator

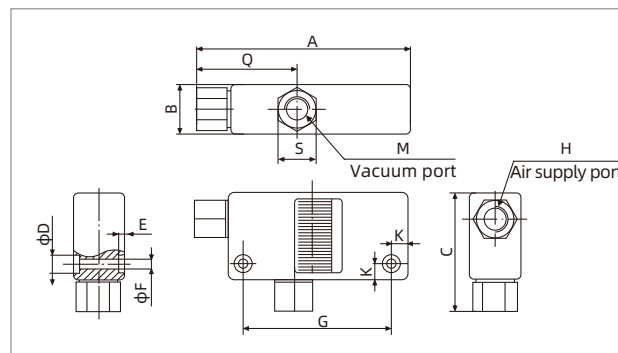


Dimensions(mm)



AZH - B Box type(One-touch fitting)

Model/Size	A	B	C	D	E	F	G	H	Q	L	K	J
AZH05B-06-06	60	16	31	5.8	2	3.2	47	22	24	6	5	6
AZH07B-06-06	60	16	31	5.8	2	3.2	47	22	24	6	5	6
AZH10B-06-06	63	18	32	5.8	2	3.2	50	23	26	6	5	6
AZH13B-08-10	78	23	38.5	7.5	3	4.2	61	27.5	28	10	7	8



AZH - B Box type(Female thread connection)

AZH - B Box type(One-touch fitting)

Model/Size	A	B	C	D	E	F	G	H	Q	M	K	S
AZH05B-01-01	68	16	39	5.8	2	3.2	47	Rc1/8	31.5	Rc1/8	5	12
AZH07B-01-01	68	16	39	5.8	2	3.2	47	Rc1/8	31.5	Rc1/8	5	12
AZH10B-01-01	71	18	40	5.8	2	3.2	50	Rc1/8	33.5	Rc1/8	5	12
AZH13B-01-02	86.5	23	50	7.5	3	4.2	61	Rc1/8	36.5	Rc1/4	7	14

AZH - B Box type(Female thread connection)

AZU Series

Basic Vacuum Generator

AIRBEST



ELECTRONICS

RoHS

Features

- ◇ Axial connection
- ◇ Plastic housing
- ◇ High vacuum type and large flow type for option

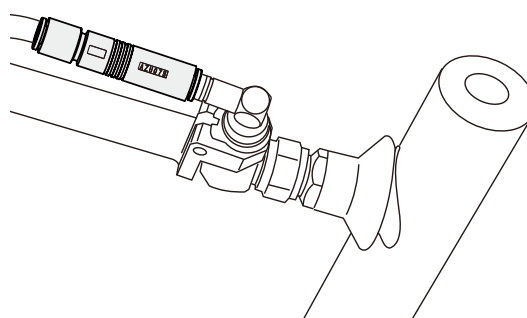
Advantages

- ◇ Installing directly to hose
- ◇ Suitable for small space
- ◇ Easy installation, no additional installation accessories are required



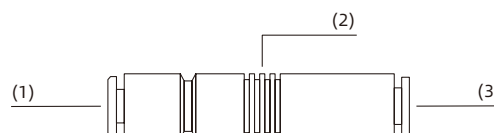
Applications

- ◇ Linear type to install to PU hose directly
- ◇ Suitable for handling system of limited space
- ◇ Handling of electronic components



Structure

- ◇ (1) Air supply port
- ◇ (2) Exhaust port
- ◇ (3) Vacuum port



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

AZU Series

Basic Vacuum Generator



How to order

AZU 05 S

① ② ③

① Series	② Nozzle diameter	③ Specification
AZU	05 - ϕ 0.5mm 07 - ϕ 0.7mm	S - High vacuum level type (-85kPa) L - Large vacuum flow type (-48kPa)

Selection

Model/Nozzle diameter	05	07
AZU□S	AZU05S	AZU07S
AZU□L	AZU05L	AZU07L

Technical parameters

Model	Nozzle diameter mm	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm) Air supply port P	Vacuum port V
AZU05S	0.5	4.5	85	7	9	68	5~60	6.5	ϕ 6	ϕ 6
AZU07S	0.7	4.5	85	12	19	68	5~60	7.0	ϕ 6	ϕ 6
AZU05L	0.5	4.5	48	12	9	70	5~60	6.5	ϕ 6	ϕ 6
AZU07L	0.7	4.5	48	21	19	70	5~60	7.0	ϕ 6	ϕ 6

◇ Note: Max. operating pressure 7bar, standard operating pressure 4.5bar

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

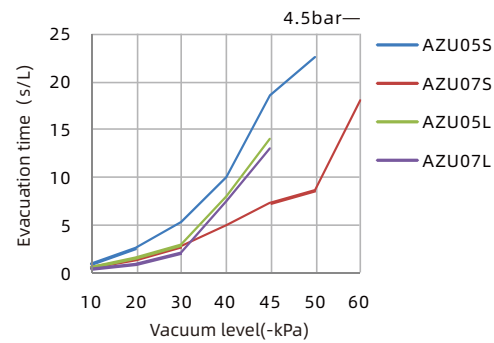
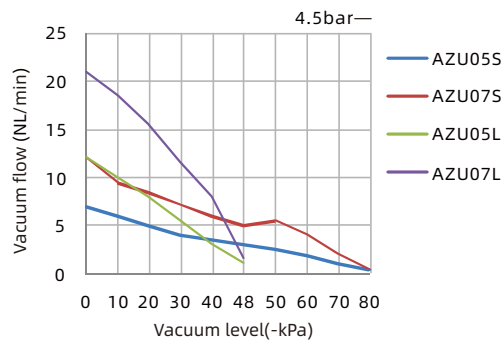
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	48	50	60	70	80	Max. vacuum level -kPa
AZU05S	4.5	9	7.0	6.0	5.0	4.0	3.5	-	2.5	1.8	1.0	0.4	85
AZU07S	4.5	19	12.0	9.5	8.5	7.2	6.0	-	5.5	4.0	2.0	0.4	85
AZU05L	4.5	9	12.0	10.0	8.0	5.5	3.0	1.0	-	-	-	-	48
AZU07L	4.5	19	21.0	18.5	15.5	11.5	8.0	1.5	-	-	-	-	48

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

Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	45	50	60	Max. vacuum level -kPa
AZU05S	4.5	9	0.90	2.6	5.2	10.0	-	22.5	-	85
AZU07S	4.5	19	0.53	1.4	2.7	5.0	-	8.7	18	85
AZU05L	4.5	9	0.60	1.5	2.9	8.0	14.0	-	-	48
AZU07L	4.5	19	0.34	0.9	2.0	7.5	13.0	-	-	48

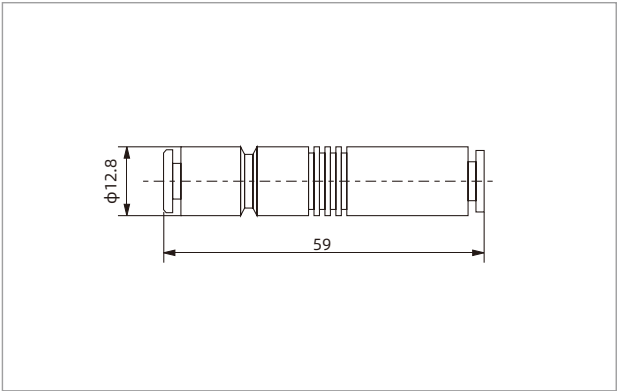
AZU Series

Basic Vacuum Generator

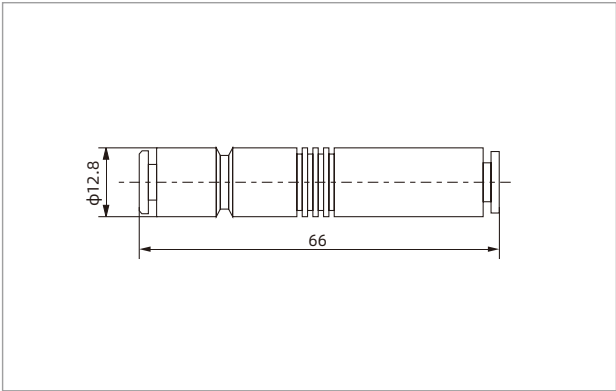


Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

Dimensions(mm)



AZU05



AZU07

ACV Series

Basic Vacuum Generator

AIRBEST



UNIVERSAL

RoHS

Features

- ◇ Single stage and compact structure
- ◇ High vacuum level type and large flow type for option
- ◇ Optional pressure switch

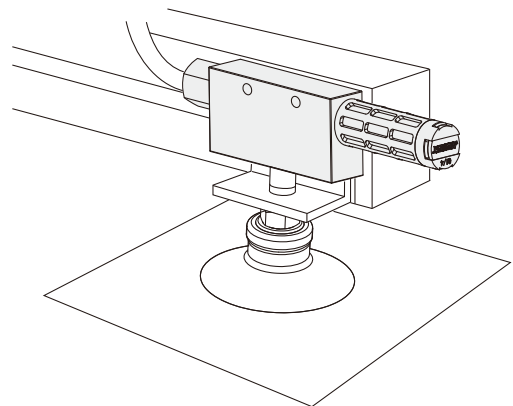


Advantages

- ◇ Long lifetime and easy maintenance
- ◇ Meeting all kinds of working conditions
- ◇ Cost-effective and simple pressure switch for detecting directly

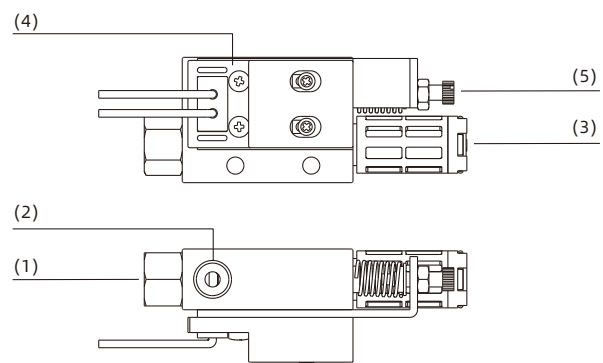
Applications

- ◇ Widely used in all kinds of vacuum systems
- ◇ Suitable for various handling operations such as automotive, metal sheet, wood, food and packaging, etc.
- ◇ High vacuum type and large flow type for different occasions
- ◇ Simple structure, the metal nozzle and body can be used in occasions of complicated environment, it is easy to maintain and clean



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Silencer
- ◇ (4) Pressure switch
- ◇ (5) Adjusting nut



ACV Series

Basic Vacuum Generator



How to order

ACV - 10 HS CK

① ② ③ ④

① Series	② Nozzle diameter	③ Specification	④ Pressure switch
ACV	05 - ϕ 0.5mm	HS - High vacuum level type (-87kPa)	Nil - Without pressure switch
	10 - ϕ 1.0mm	LS - Large vacuum flow type (-57kPa)	CK - With adjustable pressure switch
	15 - ϕ 1.5mm		
	20 - ϕ 2.0mm		
	25 - ϕ 2.5mm		
	30 - ϕ 3.0mm		

Selection

Model/Pressure switch Nil-Without pressure switch	CK-With adjustable pressure switch	Model/Pressure switch Nil-Without pressure switch	CK-With adjustable pressure switch
ACV-05HS	ACV-05HSCK	ACV-05LS	ACV-05LSCK
ACV-10HS	ACV-10HSCK	ACV-10LS	ACV-10LSCK
ACV-15HS	ACV-15HSCK	ACV-15LS	ACV-15LSCK
ACV-20HS	ACV-20HSCK	ACV-20LS	ACV-20LSCK
ACV-25HS	-	ACV-25LS	-
ACV-30HS	-	ACV-30LS	-

Technical parameters

Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight(g)		Recommended hose dia.(mm)	
							Without switch	CK	Air supply port (P)	Vacuum port (V)
ACV-05HS	5.0	87	7	13	68	0~60	80	120	ϕ 8	ϕ 8
ACV-10HS	5.0	90	27	44	68	0~60	80	120	ϕ 8	ϕ 8
ACV-15HS	5.0	90	63	100	72	0~60	140	190	ϕ 8	ϕ 8
ACV-20HS	5.0	90	110	180	72	0~60	350	460	ϕ 8	ϕ 10
ACV-25HS	5.0	90	160	265	75	0~60	730	700	ϕ 10	ϕ 12
ACV-30HS	5.0	90	225	385	75	0~60	870	846	ϕ 10	ϕ 12
ACV-05LS	5.0	57	10	13	68	0~60	75	115	ϕ 8	ϕ 8
ACV-10LS	5.0	57	36	44	68	0~60	75	115	ϕ 8	ϕ 8
ACV-15LS	5.0	57	95	100	72	0~60	135	180	ϕ 8	ϕ 8
ACV-20LS	5.0	57	170	180	72	0~60	330	440	ϕ 8	ϕ 10
ACV-25LS	5.0	57	250	265	75	0~60	710	680	ϕ 10	ϕ 12
ACV-30LS	5.0	57	350	385	75	0~60	840	816	ϕ 10	ϕ 12

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ACV Series

Basic Vacuum Generator

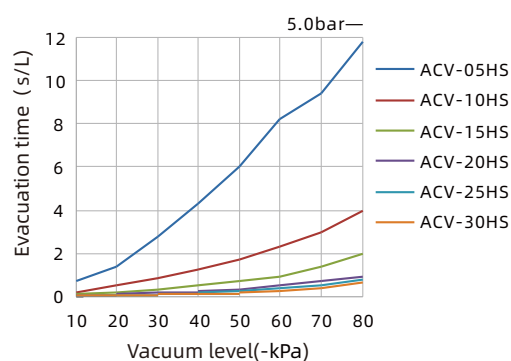
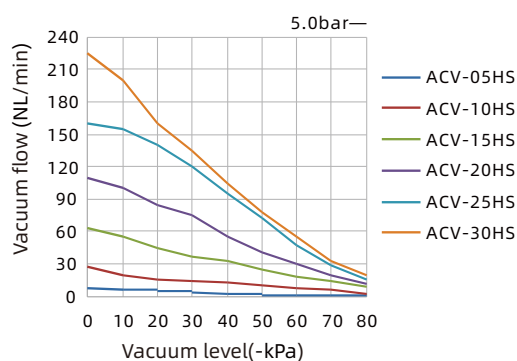


Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ACV-05HS	5.0	13	7.0	5.5	4.2	3.0	1.5	0.8	0.5	0.2	0.05	87
ACV-10HS	5.0	44	27.0	19.0	16.0	14.5	13.0	10.5	8.0	6.5	2.50	90
ACV-15HS	5.0	100	63.0	55.0	44.0	37.0	32.5	25.0	18.0	14.0	9.00	90
ACV-20HS	5.0	180	110.0	100.0	85.0	75.0	55.0	40.5	30.0	20.0	12.00	90
ACV-25HS	5.0	265	160.0	155.0	140.0	120.0	95.0	72.0	47.0	28.0	15.00	90
ACV-30HS	5.0	385	225.0	200.0	160.0	135.0	105.0	78.0	55.0	33.0	19.00	90

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
ACV-05HS	5.0	13	0.68	1.38	2.77	4.32	6.02	8.25	9.44	11.82	87
ACV-10HS	5.0	44	0.20	0.49	0.82	1.25	1.74	2.32	2.95	4.00	90
ACV-15HS	5.0	100	0.08	0.19	0.32	0.48	0.69	0.92	1.38	1.95	90
ACV-20HS	5.0	180	0.04	0.10	0.17	0.23	0.34	0.49	0.71	0.92	90
ACV-25HS	5.0	265	0.03	0.07	0.11	0.17	0.24	0.35	0.49	0.75	90
ACV-30HS	5.0	385	0.03	0.06	0.09	0.14	0.20	0.27	0.41	0.63	90



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

Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	55	Max. vacuum level -kPa
ACV-05LS	5.0	13	10.0	9.0	8.0	6.5	2.5	1.8	0.7	57
ACV-10LS	5.0	44	36.0	31.5	23.5	16.5	10.0	6.5	2.5	57
ACV-15LS	5.0	100	95.0	85.0	70.0	47.5	30.5	15.5	5.5	57
ACV-20LS	5.0	180	170.0	125.0	115.0	95.0	70.0	35.5	7.5	57
ACV-25LS	5.0	265	250.0	215.0	200.0	150.0	105.0	60.0	36.0	57
ACV-30LS	5.0	385	350.0	295.0	267.0	215.0	150.0	85.0	41.0	57

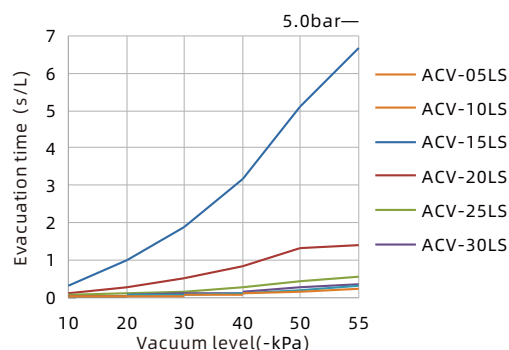
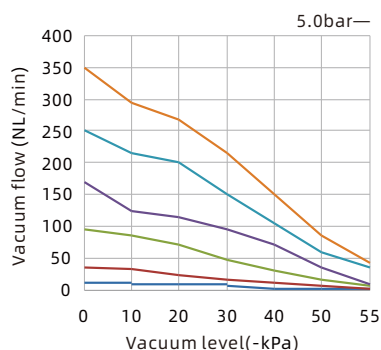
ACV Series

Basic Vacuum Generator

AIRBEST

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

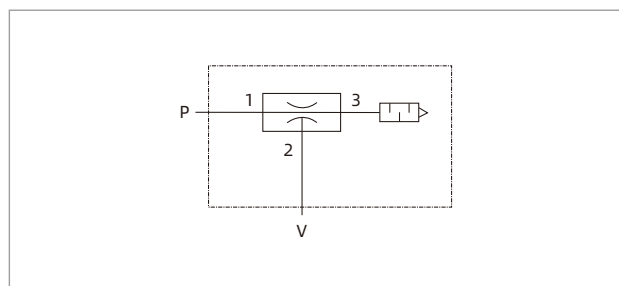
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	55	Max. vacuum level -kPa
ACV-05LS	5.0	13	0.31	0.98	1.89	3.17	5.12	6.70	57
ACV-10LS	5.0	44	0.12	0.28	0.51	0.83	1.32	1.40	57
ACV-15LS	5.0	100	0.45	0.10	0.15	0.26	0.42	0.56	57
ACV-20LS	5.0	180	0.03	0.06	0.11	0.14	0.25	0.34	57
ACV-25LS	5.0	265	0.02	0.05	0.08	0.12	0.18	0.30	57
ACV-30LS	5.0	385	0.02	0.04	0.06	0.09	0.13	0.22	57



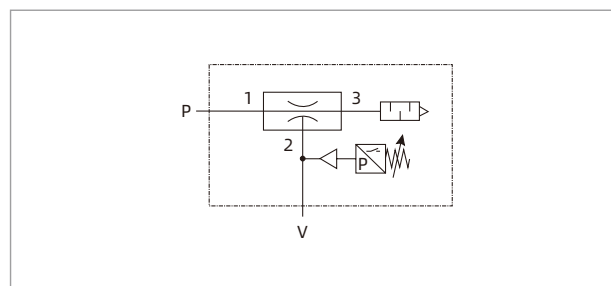
Technical parameters-Pressure switch

Model	ACV-CK (Adjustable pressure switch)
Fluid	Air
Set pressure range(-kPa)	20~53
Ambient temperature	0~60°C (Non-freezing)
Operating accuracy(-kPa)	±5.3
Hysteresis(-kPa)	4.0~13.3
Operating voltage(V)	DC24V below
Load current(A)	0.2
Effective length of lead wire(m)	0.7

Air circuit schematic diagram



ACV Standard



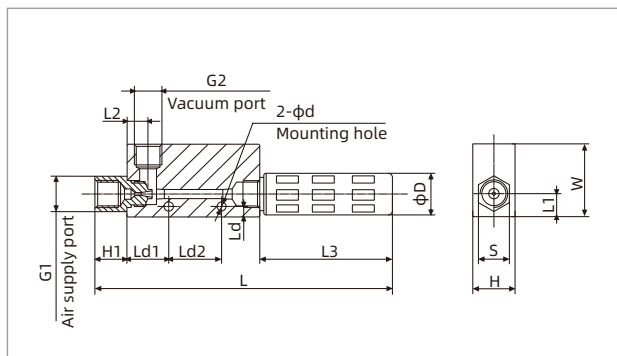
ACV - CK With pressure switch

ACV Series

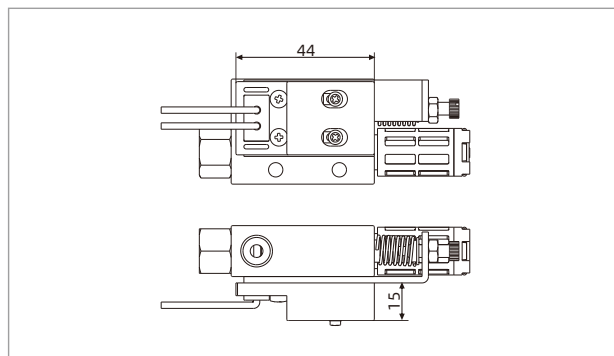
Basic Vacuum Generator



Dimensions(mm)



ACV Standard



ACV - CK With pressure switch

Model/Size	L	H	W	G1	H1	L1	S	G2	L2	φd	Ld	Ld1	Ld2	φD	L3
ACV-05	85	16	33	Rp1/8	10	10	14	Rp1/8	8	4.5	4.5	14	20	15	30
ACV-10	85	16	33	Rp1/8	10	10	14	Rp1/8	8	4.5	4.5	14	20	15	30
ACV-15	129	20	35	Rp1/4	15	11	17	Rp1/4	10	4.5	5.0	20	25	19	51
ACV-20	161	30	40	Rp1/4	20	15	24	Rp3/8	13	6.0	7.0	28	32	28	56
ACV-20CK	161	30	50	Rp1/4	20	15	24	Rp3/8	13	6.0	7.0	28	32	28	56
ACV-25	236	40	60	Rp3/8	17	20	27	Rp1/2	16	6.0	5.5	20	50	40	119
ACV-30	257	40	60	Rp1/2	20	20	30	Rp3/4	20	6.0	5.5	33	50	40	119

Repair kits

Model of silencer	Connection thread	Color	Applicable vacuum generator
ZSB-X-G1M	G1/8Male thread		ACV-05HS、10HS
ZSB-F-G1M	G1/8Male thread		ACV-05LS、10LS
ZSB-X-G2M	G1/4Male thread		ACV-15HS
ZSB-F-G2M	G1/4Male thread		ACV-15LS
ZSB-X-G4M	G1/2Male thread		ACV-20HS
ZSB-F-G4M	G1/2Male thread		ACV-20LS
ZSA-G6M	G3/4Male thread		ACV-25HS /LS、30HS / LS

ASBP Series

Basic Vacuum Generator

AIRBEST



UNIVERSAL

RoHS

Features

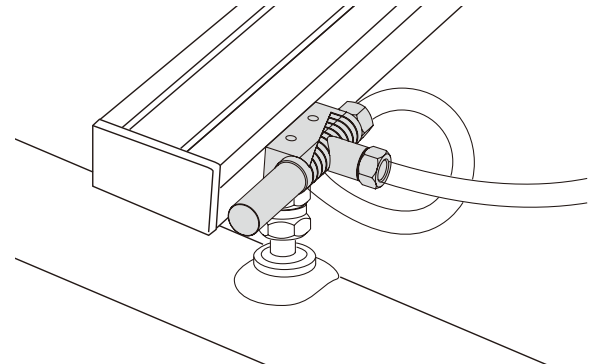
- ◇ Plastic housing, small size and light weight
- ◇ Nozzle diameter 1.0mm and 1.5mm
- ◇ Threaded connection

Advantages

- ◇ Suitable for fast handling
- ◇ Low air consumption
- ◇ Easy installation and space saving
- ◇ Low noise and easy maintenance

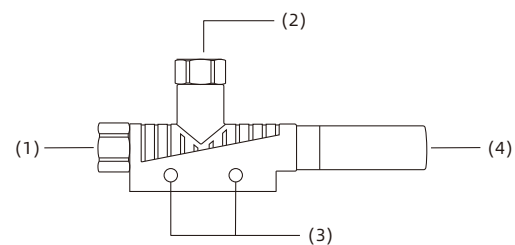
Applications

- ◇ Basic vacuum generator with plastic housing
- ◇ Compact structure, can be installed in row
- ◇ Handling of electronic components



Structure

- ◇ (1) Air supply port
- ◇ (2) Vacuum port
- ◇ (3) Mounting hole
- ◇ (4) Exhaust port



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ASBP Series

Basic Vacuum Generator



How to order

ASBP 10

① ②

① Series	② Nozzle diameter
ASBP	10 - ϕ 1.0mm 15 - ϕ 1.5mm

Selection

Model/Nozzle diameter	10	15
ASBP□	ASBP10	ASBP15

Technical parameters

Model	Nozzle diameter mm	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)	
									Air supply port P	Vacuum port V
ASBP10	1.0	4.5	85	38	50	59	0~60	22	ϕ 6	ϕ 8
ASBP15	1.5	4.5	85	72	110	65	0~60	22	ϕ 6	ϕ 8

◇ Note: Max.operating pressure 7bar, standard operating pressure 4.5bar

ASBP Series

Basic Vacuum Generator

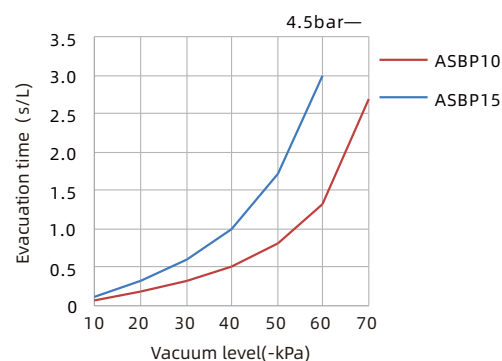
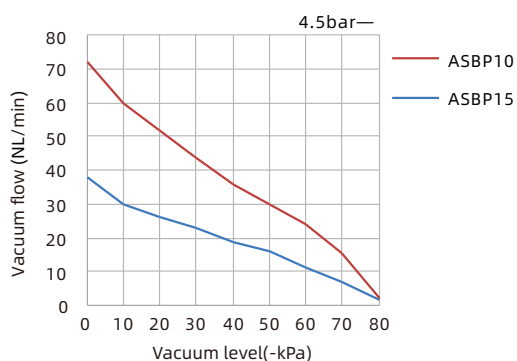
AIRBEST

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

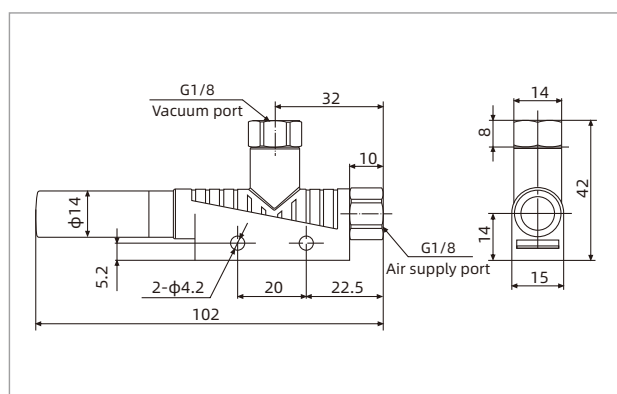
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ASBP10	4.5	50	38	30	26	23	18.6	16	11	7.0	1.8	85
ASBP15	4.5	110	72	60	52	44	36.0	30	24	15.5	2.2	85

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	Max. vacuum level -kPa
ASBP10	4.5	50	0.13	0.33	0.60	1.00	1.72	3.00	-	85
ASBP15	4.5	110	0.06	0.18	0.32	0.52	0.81	1.32	2.7	85



Dimensions(mm)



ASBP

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX Combined Type

AMC

AM/AL/AH

AM/AL Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ALS Series

Linear Single Stage Vacuum Generator

AIRBEST



UNIVERSAL

Features

- ◇ It is installed directly between suction cup and compressed air source
- ◇ Aluminum alloy body, small size, light weight

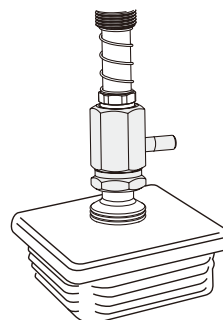
Advantages

- ◇ No need to connect PU hose, it can directly produce vacuum at the working site
- ◇ Saving space, suitable for installation occasions with small space and fast movement



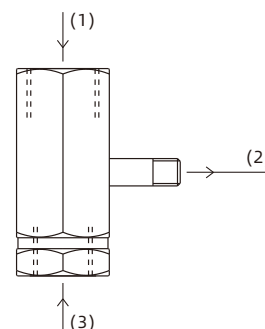
Applications

- ◇ The linear vacuum generator is connected with the suction cup and the compressed air source directly, which can reduce the evacuation time
- ◇ Suitable for a variety of handling process, such as industrial robots and feeding systems



Structure

- ◇ (1) Air supply port
- ◇ (2) Exhaust port
- ◇ (3) Vacuum port



ALS Series

Linear Single Stage Vacuum Generator



How to order

ALS - M5F

①

②

Series	Vacuum port connection thread
ALS	M5F - M5×0.8 female thread G1F - G1/8 female thread G2F - G1/4 female thread

Selection

Model/ Vacuum port connection thread M5F	G1F	G2F
ALS-M5F	ALS-G1F	ALS-G2F

Technical parameters

Model	Rated air supply pressure bar	Max.vacuum level -kPa	Max.vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Weight g
ALS-M5F	5.0	85	14.4	42	80	18
ALS-G1F	5.0	85	14.4	42	80	22
ALS-G2F	5.0	85	14.4	42	80	21

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ALS Series

Linear Single Stage Vacuum Generator

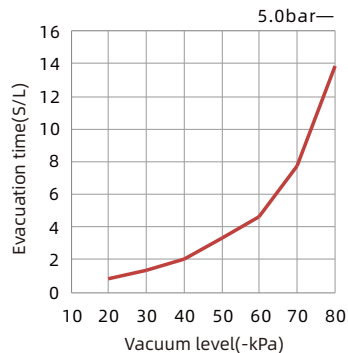
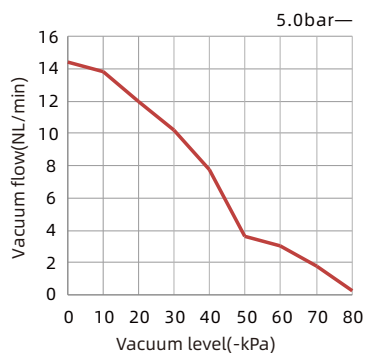


Vacuum flow(NL/min) at different vacuum levels(-kPa)

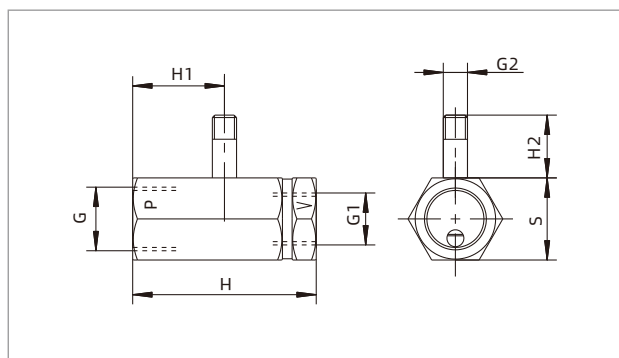
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
ALS	5.0	42	14.40	13.80	12.00	10.20	7.80	3.60	3.00	1.80	0.24	85

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
ALS	5.0	42	0.39	0.79	1.34	2.06	3.32	4.62	7.71	13.97	85



Dimensions(mm)



ALS

Model/size	H	H1	H2	G	G1	G2	S
ALS-M5F	30	15	13	G1/4	M5×0.8	M5×0.8	17
ALS-G1F	35	17.5	13	G1/4	G1/8	M5×0.8	17
ALS-G2F	38	19	13	G1/4	G1/4	M5×0.8	17

ACP Series

Conveying Vacuum Generator

AIRBEST



BIOPHARMING



FOOD



PACKAGING

Features

- ◇ Straight-through design, extremel large vacuum flow
- ◇ Vacuum flow is adjustable according to the working condition
- ◇ Different diameters are available

Advantages

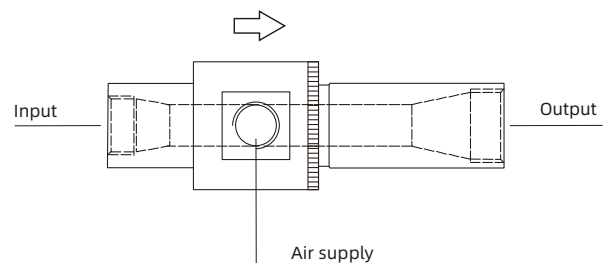
- ◇ Handling of workpieces with high permeability, particle, powder, gas and fluid
- ◇ Vacuum flow can be manually adjusted according to the different working conditions

Applications

- ◇ Handling of loose materials such as textile and paper
- ◇ Conveying of grains such as wheat and corn
- ◇ Conveying of powder particles such as laundry detergent and plastic particles
- ◇ Removal of cutter chips during machining
- ◇ Suction of non-corrosive waste water and waste gas during industrial processing

Structure

- ◇ Straight-through design, can adsorb and transport different materials continuously
- ◇ All ports are connected with female thread



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

ACP Series

Conveying Vacuum Generator



How to order

ACP 250 S

① ② ③

① Series	② Specification	③ Material
ACP	250	Nil - Aluminum alloy 
	375	S - Stainless steel 
	500	
	750	

Selection

Model/Material Nil-Aluminum alloy	S - Stainless steel
ACP250	ACP250S
ACP375	ACP375S
ACP500	ACP500S
ACP750	ACP750S

Technical parameters

Air consumption(NL/min) at different vacuum levels(-kPa)

Model	Nozzle diameter mm	Air supply pressure bar	17	34	50	68	84	Working temperature °C	Aluminum alloy	Weight (g) Stainless steel
ACP250	6.5	5.5	112	169	233	276	342	-20~80	100	296
ACP375	9.5	5.5	176	327	485	595	825	-20~80	286	846
ACP500	13.0	5.5	340	625	795	940	1,280	-20~80	401	1,189
ACP750	19.0	5.5	650	875	1,250	1,790	2,550	-20~80	540	1,599

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

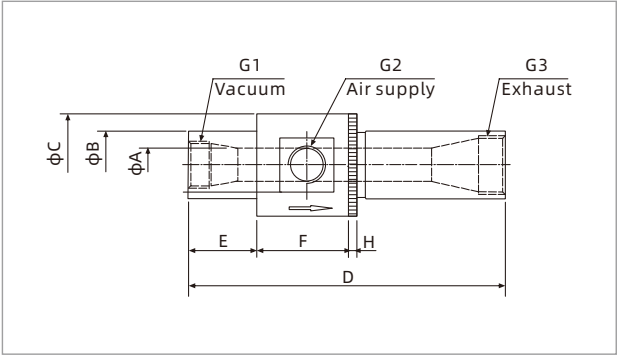
Model	Air supply pressure bar	17	34	50	68	84
ACP250	5.5	280	240	200	162	125
ACP375	5.5	846	735	620	520	395
ACP500	5.5	1,695	1,325	1,130	990	650
ACP750	5.5	3,390	2,460	1,970	1,440	1,130

ACP Series

Conveying Vacuum Generator



Dimensions(mm)



ACP

Model/Size	A	B	C	D	E	F	H	G1	G2	G3
ACP250	6.5	19	32	94~105	22	32	5	G1/4	G1/8	G1/4
ACP375	9.5	25	45	155~165	38	45	5	G3/8	G3/8	G1/2
ACP500	13.0	32	51	155~160	38	51	5	G1/2	G3/8	G3/4
ACP750	19.0	38	58	175~189	38	51	5	G3/4	G1/2	G1"

Vacuum Generator
AZK
AZQ
AZX
AZD
AGS
AGB
AGP
AGX
AGE
ABM/ABX
ABM/ABX Combined Type
AMC
AM/AL/AH
AM/AL Combined Type
AMD
AZW
AZR
ABT
ABP
ABQ
AEVC
AZL
ALH
AZH
AZU
ACV
ASBP
ALS
ACP
ACPF
ACPS
APB

ACPF Series

Conveying Vacuum Generator

AIRBEST



BIOPHARMING



FOOD



PACKAGING

Features

- ◇ Straight-through design, extremely large vacuum flow
- ◇ Different diameters are available, the largest diameter is 38mm

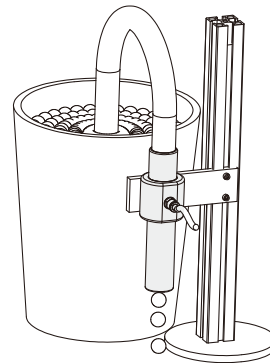
Advantages

- ◇ Handling of workpieces with high permeability, particle, powder, gas and fluid



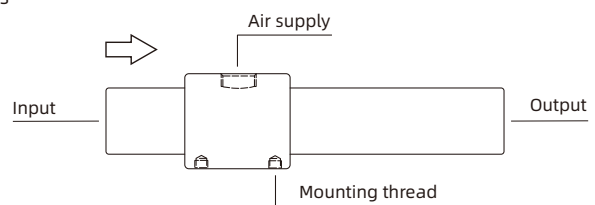
Applications

- ◇ Handling of loose materials such as textile and paper
- ◇ Conveying of grains such as wheat and corn
- ◇ Conveying of powder particles such as laundry detergent and plastic particles
- ◇ Removal of cutter chips during machining
- ◇ Suction of non-corrosive waste water and waste gas during industrial processing



Structure

- ◇ Straight-through design, can adsorb and transport different materials continuously
- ◇ With mounting threaded hole
- ◇ The ports of ACPF3-3 are threaded connection, and the others are connected by external steel wire hoses



ACPF Series

Conveying Vacuum Generator



How to order

ACPF 2-3 S
① ② ③

① Series	Specification	③ Material
ACPF	2-3	Nil- Aluminum alloy 
	3-3	S-Stainless steel 
	5-6	
	7-6	
	15-3	
	15-6	

Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

Selection

Model/Material	
Nil-Aluminum alloy	S - Stainless steel
ACPF2-3	ACPF2-3S
ACPF3-3	ACPF3-3S
ACPF5-6	ACPF5-6S
ACPF7-6	ACPF7-6S
ACPF15-3	ACPF15-3S
ACPF15-6	ACPF15-6S

Technical parameters

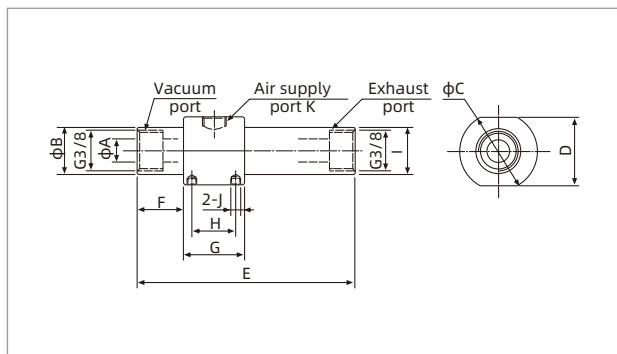
Model	Nozzle diameter mm	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption		Working temperature °C	Aluminum alloy	Weight(g) Stainless steel
					2.8bar	NL/min 5.5bar			
ACPF2-3	6.5	6.0	26.0	295	85	160	-20~80	85	252
ACPF3-3	9.5	6.0	16.0	425	95	170	-20~80	69	205
ACPF5-6	12.5	6.0	35.0	870	395	680	-20~80	170	505
ACPF7-6	19.0	6.0	28.0	1,825	790	1,365	-20~80	388	1,151
ACPF15-3	25.0	6.0	4.4	4,400	405	695	-20~80	519	1,537
ACPF15-6	38.0	6.0	9.0	5,610	790	1,365	-20~80	659	1,953

ACPF Series

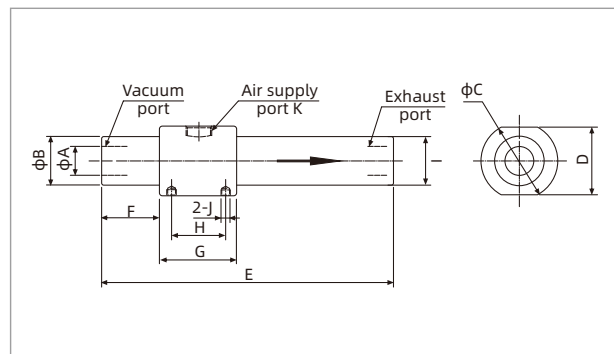
Conveying Vacuum Generator



Dimensions(mm)



ACPF3-3



ACPF(Other sizes)

Model/Size	A	B	C	D	E	F	G	H	I	J	K
ACPF2-3	6.5	18.5	32	28	89	19	25	18	19.5	M4×0.7	G1/8
ACPF3-3	9.5	18.5	32	28	89	19	25	18	19.5	M4×0.7	G1/8
ACPF5-6	12.5	24.0	38	34	140	25	32	23	25.0	M4×0.7	G1/4
ACPF7-6	19.0	31.0	50	45	190	38	50	35	33.0	M4×0.7	G3/8
ACPF15-3	25.0	38.0	59	55	198	40	56	40	38.0	M4×0.7	G3/8
ACPF15-6	38.0	49.6	69	65	205	40	60	42	49.6	M4×0.7	G3/8

ACPS Series

Conveying Vacuum Generator

AIRBEST



BIOPHARMING



FOOD



PACKAGING

Features

- ◇ Straight-through design, extremely large vacuum flow
- ◇ Different diameters are available

Advantages

- ◇ Handling of workpieces with high permeability, particle, powder, gas and fluid



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

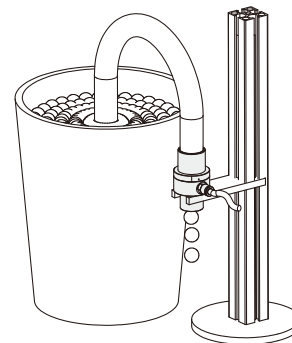
ACPF

ACPS

APB

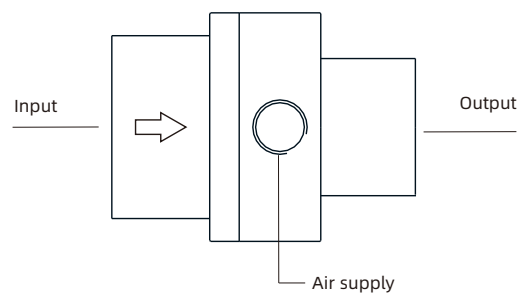
Applications

- ◇ Handling of loose materials such as textile and paper
- ◇ Conveying of grains such as wheat and corn
- ◇ Conveying of powder particles such as laundry detergent and plastic particles
- ◇ Removal of cutter chips during machining
- ◇ Suction of non-corrosive waste water and waste gas during industrial processing



Structure

- ◇ Straight-through design, can adsorb and transport different materials continuously
- ◇ Compressed air goes through the lateral annular gap



ACPS Series

Conveying Vacuum Generator



How to order

ACPS 10

① ②

① Series	② Nozzle diameter
ACPS	10 - ϕ 10mm 20 - ϕ 20mm 40 - ϕ 40mm 75 - ϕ 75mm

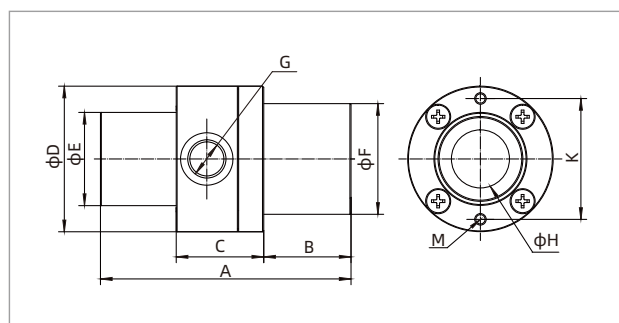
Selection

Model/Nozzle diameter	10	20	40	75
ACPS□	ACPS10	ACPS20	ACPS40	ACPS75

Technical parameters

Model	Nozzle diameter mm	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Working temperature °C	Weight g
ACPS10	10	5.0	12	550	140	-20~80	77
ACPS20	20	5.0	4	1,375	265	-20~80	189
ACPS40	40	5.0	2	2,250	470	-20~80	522
ACPS75	75	5.0	1	8,640	876	-20~80	2,308

Dimensions(mm)



ACPS

Model/Size	A	B	C	D	E	F	G	H	K	M
ACPS10	70	23	21	37	19	19	G1/8	10	29.0	2-M4×0.7
ACPS20	86	30	30	50	32	38	G1/4	20	41.5	2-M4×0.7
ACPS40	94	30	34	84	52	75	G3/8	40	72.0	2-M4×0.7
ACPS75	180	34	65	140	100	125	G1/2	75	126.0	2-M6×1

APB Series

High Pressure Vacuum Blower

AIRBEST



PACKAGING



WOOD



COMPOSITE
MATERIAL

Features

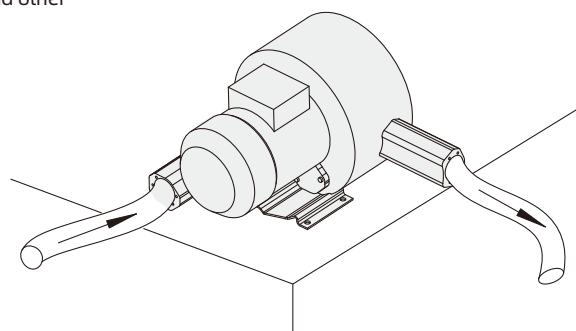
- ◇ Extremely high suction capacity
- ◇ The housing and impeller are made of high strength die-casting aluminum alloy
- ◇ Available in various suction capacity

Advantages

- ◇ Fast and reliable handling of porous materials
- ◇ Low noise and high suction capacity
- ◇ It can be precisely selected according to the actual working conditions

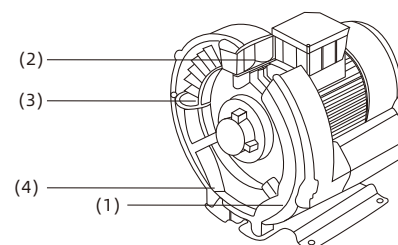
Applications

- ◇ Handling of cartons, wood, foam materials, heat insulating materials and other extremely porous materials
- ◇ Extremely high suction flow to compensate for leakage easily



Structure

- ◇ (1) Air supply port
- ◇ (2) Side channel
- ◇ (3) Impeller
- ◇ (4) Exhaust port



Vacuum Generator

AZK

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

AM/AL
Combined Type

AMD

AZW

AZR

ABT

ABP

ABQ

AEVC

AZL

ALH

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB

APB Series

High Pressure Vacuum Blower

AIRBEST

How to order

APB - 420
① ②

② Series	① Specifications
APB	420
	520
	620
	720
	820
	920

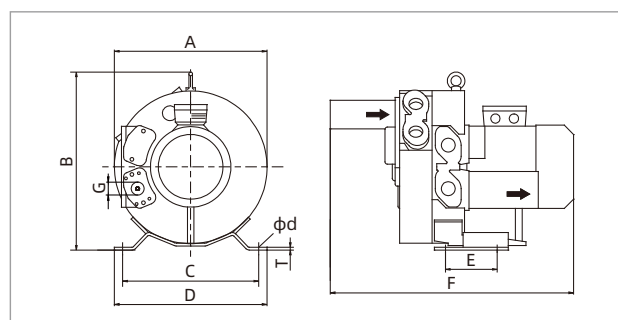
Selection

Model	Model
APB-420	APB-720
APB-520	APB-820
APB-620	APB-920

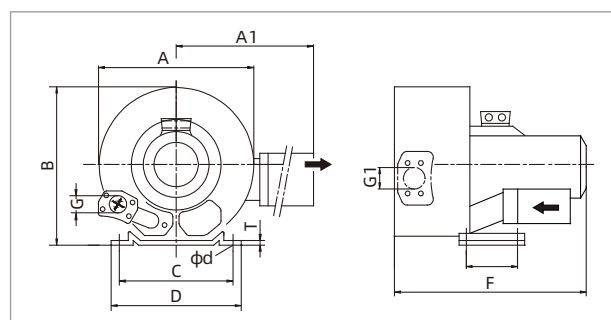
Technical parameters

Model	Motor (50HZ)			Max. flow m ³ /h	Max. vacuum level -kPa	Max. pressure mbar	Noise level dB(A)	Protection grade IP	Weight kg
	Rated power KW	Input voltage V	Rated current A						
APB-420	1.5	220-240△/345-415	7.5△/4.3Y	87	48	450	61	IP55	33
APB-520	2.2	220-240△/345-415	11.4△/6.6Y	120	47	460	64	IP55	40
APB-620	3.2	220-240△/345-415	13.0△/7.5Y	165	46	500	67	IP55	48
APB-720	5.5	345-415△/600-720	13.0△/7.7Y	320	44	500	73	IP55	66
APB-820	7.5	345-415△/600-720	13.3△/7.7Y	520	40	400	74	IP55	86
APB-920	16.5	345-415△/600-720	35.0△/20.0Y	1,110	41	370	74	IP55	197

Dimensions(mm)



APB-420~620



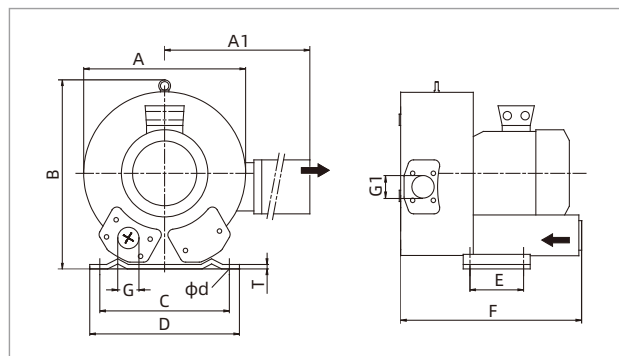
APB-720

APB Series

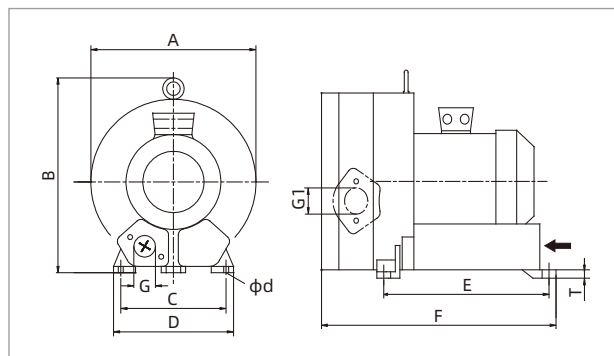
High Pressure Vacuum Blower

AIRBEST

Dimensions(mm)



APB-820



APB-920

Model/Size	A	A1	B	C	D	Φd	E	F	T	G	G1
APB-420	363	-	414	315	350	14	130	529	4	G1"1/4depth18	-
APB-520	387	-	435	328	363	14	130	549	5	G1"1/4depth18	-
APB-620	442	-	495	372	406	14	152	578	5	G1"1/4depth18	-
APB-720	426	426	410	290	325	15	140	571	4.5	Φ55	-
APB-820	500	549	509	356	545	15	170	589	6	G2"1/2	-
APB-920	615	-	623	360	415	15	533	786	21	Φ100	-

Safety Information

- ◇ Remarks: If this product has the following applications: logistics and transportation, consumer goods industry, agriculture, construction industry, comprehensive trade, etc. This type of equipment usually includes exposed parts. They are very dangerous since they are moving parts or rotating parts in many case during working process. Unauthorized removal of protective covers, improper use, improper operation or insufficient maintenance may cause serious personal injury or equipment failure.
- ◇ The staff responsible for safety must ensure: Only qualified personnel can operate such equipment.
Qualified personnel are already fully familiar with the operation manual when operating these equipment and can operate according to the installation manual systematically.
Unqualified personnel are not allowed to operate such equipment.
- ◇ Qualified personnel: the personnel authorized by the person in charge of plant safety.
They complete a certain necessary work based on their own experience and training, knowledge of relevant standards, and ability to prevent accidents, while being aware of potential dangers and take necessary measures.
- ◇ DIN VDE 0105 or IEC 364 stipulates that unqualified personnel shall not be engaged in electrical equipment work.
Product manuals or catalogue cannot contain all the detailed information, especially it is impossible to cover every possible safety, operation and maintenance method. Therefore, these operating manuals only include the necessary information for qualified personnel to operate the equipment correctly. If the detailed parameters of the product are lacking, please contact us for more information.

Vacuum Generator

AZK

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AZX

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AGS

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ABM/ABX

ABM/ABX
Combined Type

AMC

AM/AL/AH

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