



Features

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

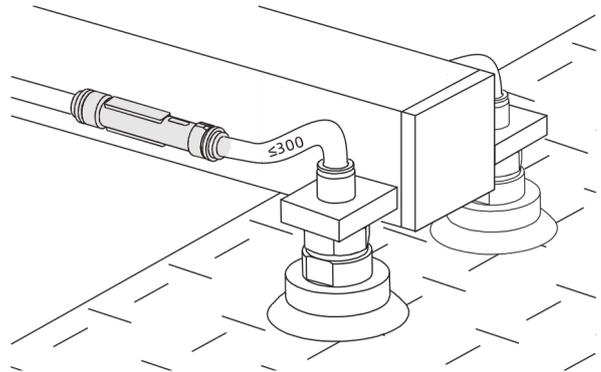
Advantages

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



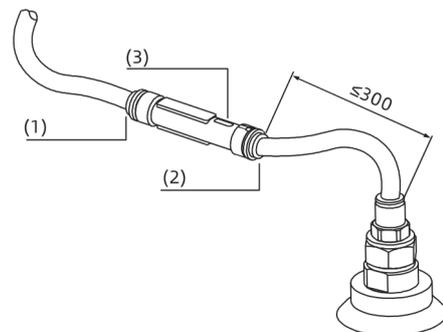
Applications

- ◇ 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



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	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
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

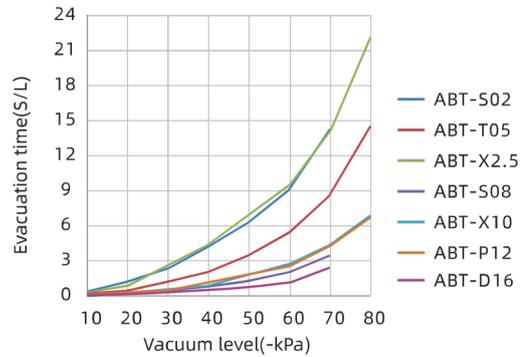
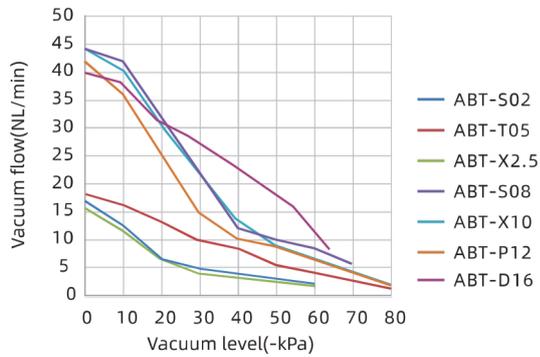
Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure bar	Air consumption NL/min	Vacuum level (-kPa)									Max. vacuum level -kPa
			0	10	20	30	40	50	60	70	80	
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	19	90
ABT-D16	6.0	46	40	38	30.5	26.7	22	17	12	3.5	-	72

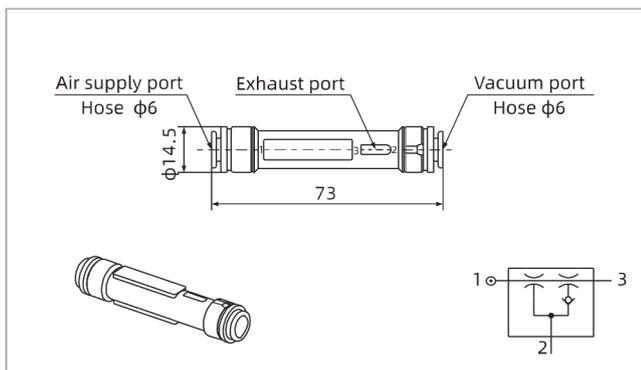
Evacuation time(s/L) to reach different vacuum levels(-kPa)

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

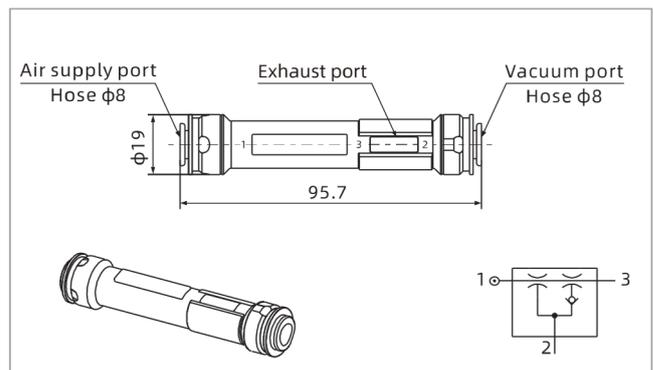
Technical parameters



Dimensions(mm)



ABT-S02/T05/X2.5



ABT-S08/X10/P12/D16

AZH Series

Basic Vacuum Generator



UNIVERSAL



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



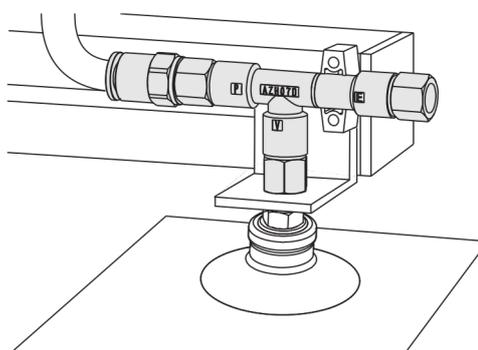
Advantages

- ◇ 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

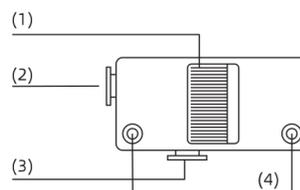
- ◇ Widely used in all kinds of vacuum systems
- ◇ Suitable for various handling operations such as automotive, metal sheet, wood, food and packaging, etc.
- ◇ High vacuum type and large flow type for different occasions



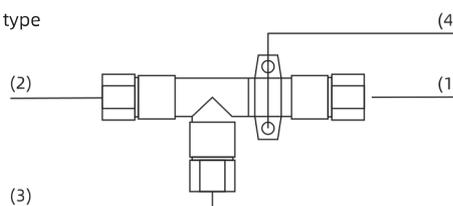
Structure

- ◇ (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 07 - ϕ 0.7mm 10 - ϕ 1.0mm 13 - ϕ 1.3mm 15 - ϕ 1.5mm 18 - ϕ 1.8mm 20 - ϕ 2.0mm	B - Box type D - Body ported type L - Large vacuum flow type	S - High vacuum level type (-88kPa) L - Large vacuum flow type (-48kPa)	06 - ϕ 6 One-touch fitting 08 - ϕ 8 One-touch fitting 10 - ϕ 10 One-touch fitting 12 - ϕ 12 One-touch fitting 01 - Rc1/8 Female thread 02 - Rc1/4 Female thread 03 - Rc3/8 Female thread	06 - ϕ 6 One-touch fitting 10 - ϕ 10 One-touch fitting 12 - ϕ 12 One-touch fitting 16 - ϕ 16 One-touch fitting 01 - Rc1/8 Female thread 02 - Rc1/4 Female thread 03 - Rc3/8 Female thread 04 - Rc1/2 Female thread	06 - ϕ 6 One-touch fitting 08 - ϕ 8 One-touch fitting 10 - ϕ 10 One-touch fitting 12 - ϕ 12 One-touch fitting 16 - ϕ 16 One-touch fitting 01 - Rc1/8 Female thread 02 - Rc1/4 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

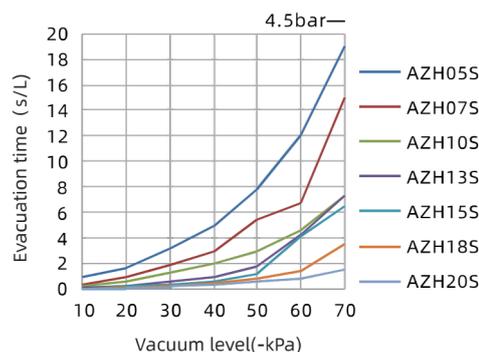
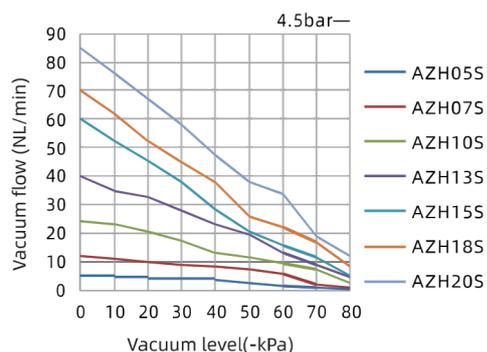
Model	Rated air supply pressure bar	Max. vacuum level -kPa		Max. vacuum flow NL/min		Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia.(mm)		
		S	L	S	L					Air supply port S	Vacuum port V	Exhaust port E
AZH05D	4.5	88	48	7.5	9	13.5	75	5~50	11	φ6	φ6	φ6
AZH07D	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	Vacuum level (-kPa)										Max. vacuum level -kPa
			0	10	20	30	40	50	60	70	80		
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	Vacuum level (-kPa)							Max. vacuum level -kPa
			10	20	30	40	50	60	70	
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

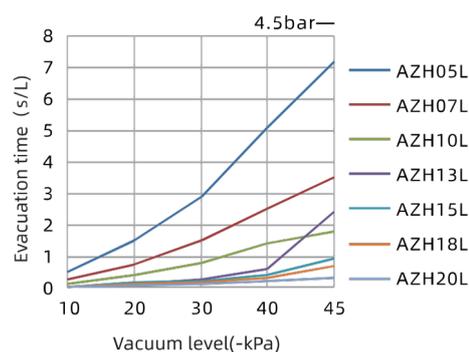
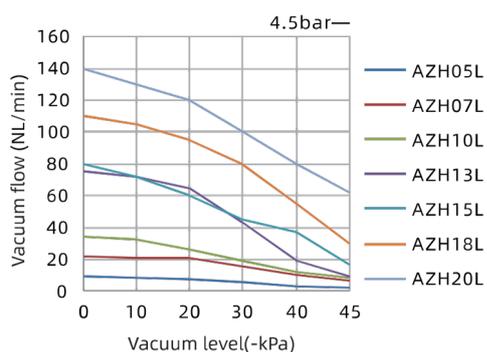
Vacuum flow(NL/min) at different vacuum levels(-kPa)

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

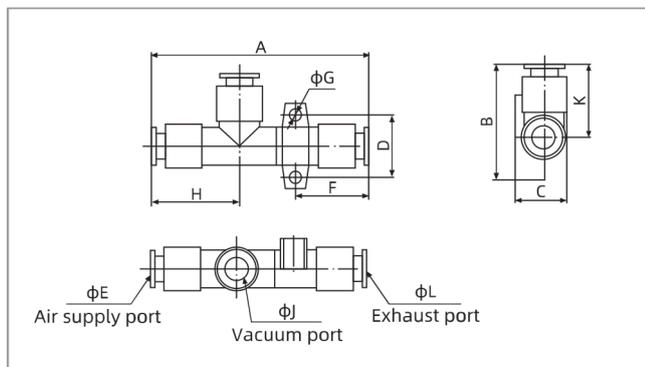
Technical parameters



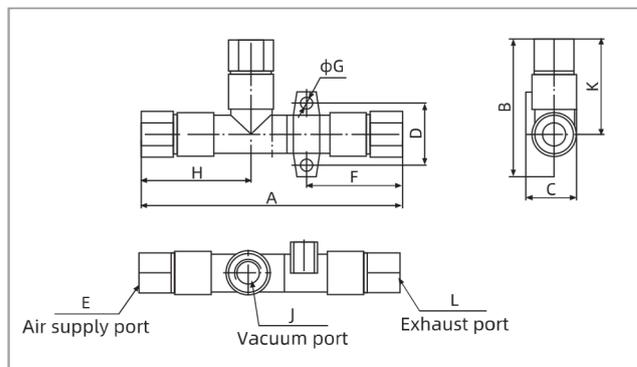
AZH Series

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)

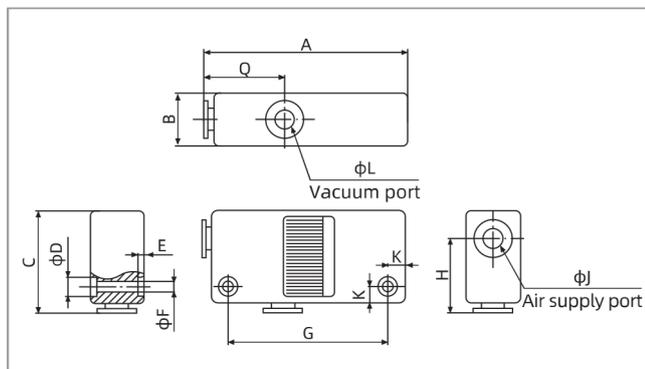
Model/Size	A	B	C	D	E	F	G	H	L	K	J
AZH05DS-01-01-01	73.5	41.5	14.2	17.0	Rc1/8	28.5	3.2	31.5	Rc1/8	29.5	Rc1/8
AZH07DS-01-01-01	76.0	41.5	14.2	17.0	Rc1/8	29.5	3.2	31.5	Rc1/8	29.5	Rc1/8
AZH10DS-01-01-01	82.0	44.5	17.2	20.0	Rc1/8	33.0	4.2	33.5	Rc1/8	30.5	Rc1/8
AZH10DL-01-01-01	86.0	44.5	17.2	20.0	Rc1/8	33.0	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)

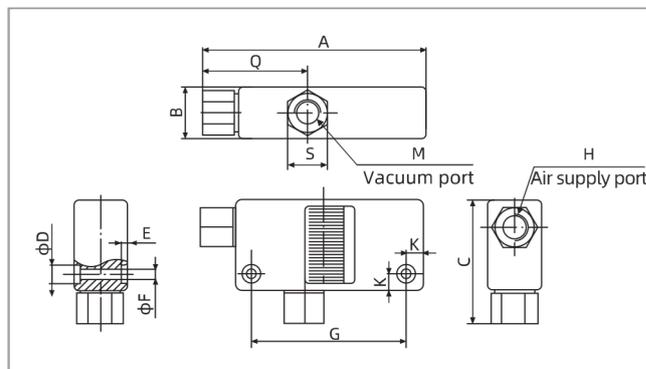
AZH Series

Basic Vacuum Generator

Dimensions(mm)



AZH - B Box type(One-touch fitting)



AZH - B Box type(Female thread connection)

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(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)

Vacuum Generator

AZK

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

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB



ABM/ABX Series

Mini Vacuum Generator



METAL SHEET



PACKAGING



PLASTIC

Features

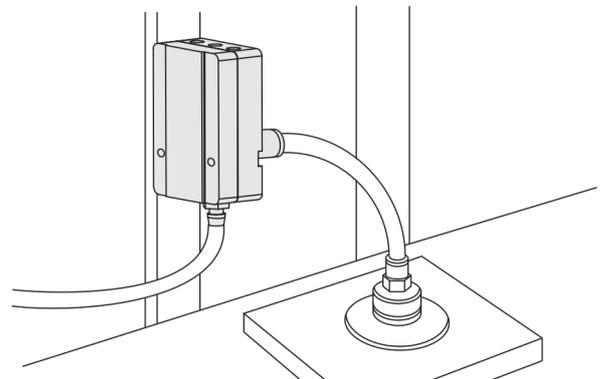
- ◇ Energy-efficient nozzle design
- ◇ Small size, light weight, can be connected with suction cup directly
- ◇ There are a variety of air port specifications (A,NA ,B,NB,C,NC)
- ◇ Built-in silencer and external silencer are optional

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

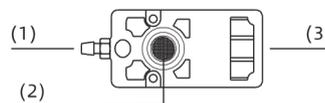
- ◇ Universal vacuum generator, widely used in all kinds of vacuum systems
- ◇ Suitable for metal plate handling, packaging machinery, injection molding and industrial robot technology field



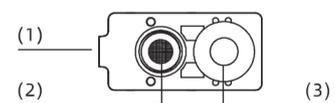
Structure

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

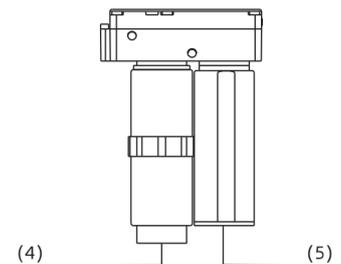
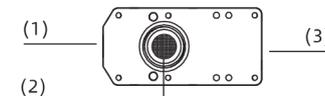
A NA type



C NC type



B NB type



AZK

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

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

ACPS

APB



ABM/ABX Series

Mini Vacuum Generator

How to order

ABM 10 - B - F
 ① ② ③ ④

① Series	② Specification	③ 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

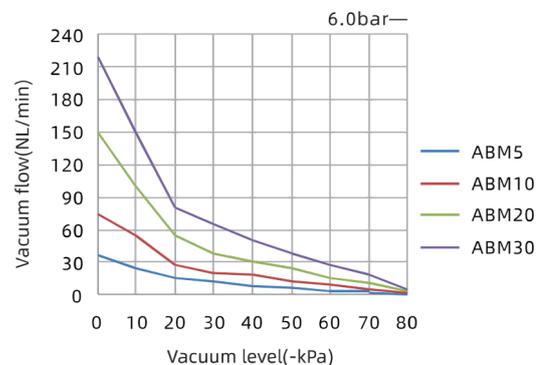
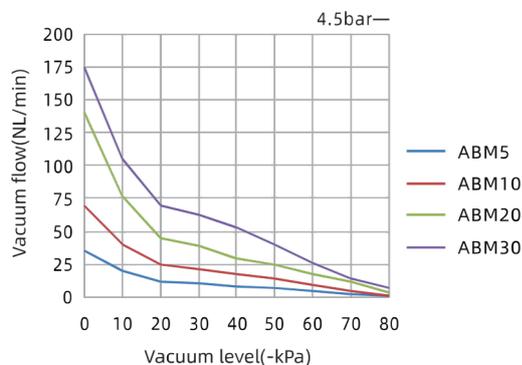
Technical parameters - ABX

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	Vacuum level (-kPa)										Max. vacuum level -kPa
			0	10	20	30	40	50	60	70	80		
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	

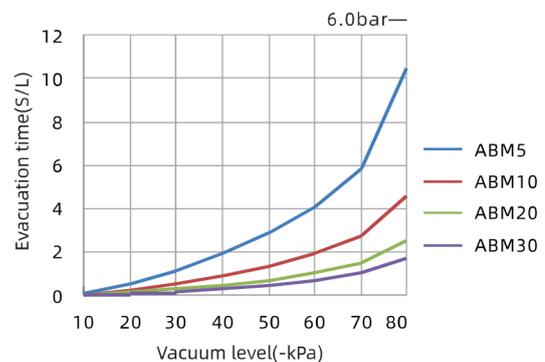
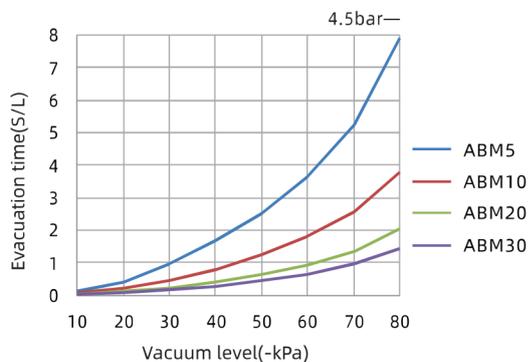


ABM/ABX Series

Mini Vacuum Generator

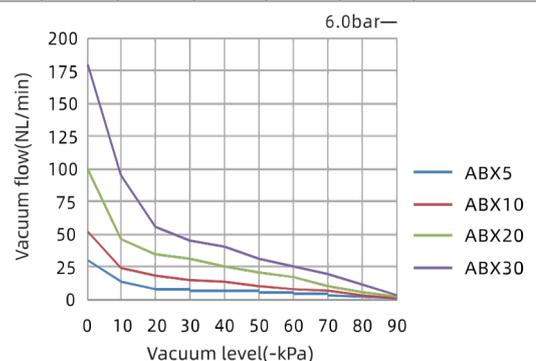
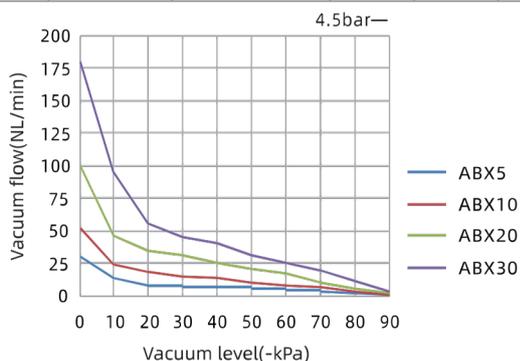
Evacuation time(s/L) to reach different vacuum levels(-kPa)

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

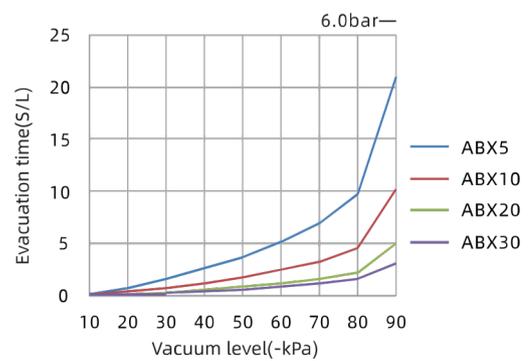
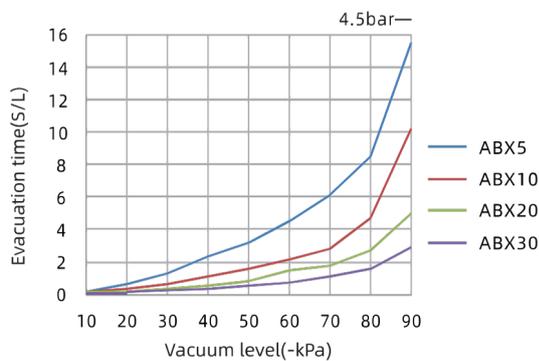


ABM/ABX Series

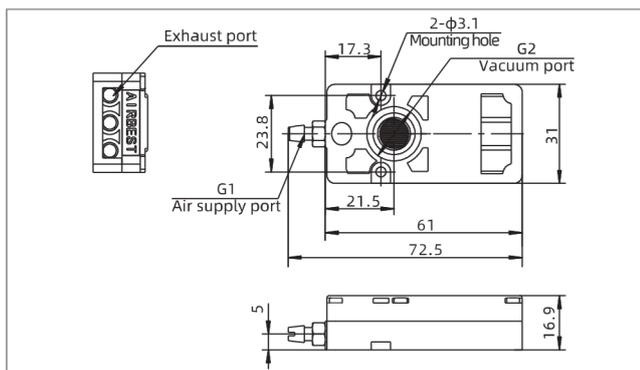
Mini Vacuum Generator

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

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

AZH

AZU

ACV

ASBP

ALS

ACP

ACPF

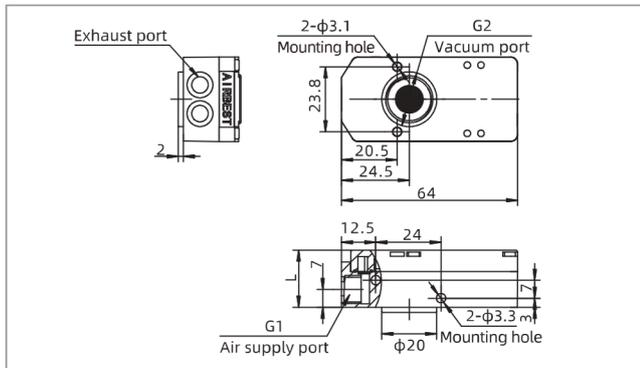
ACPS

APB

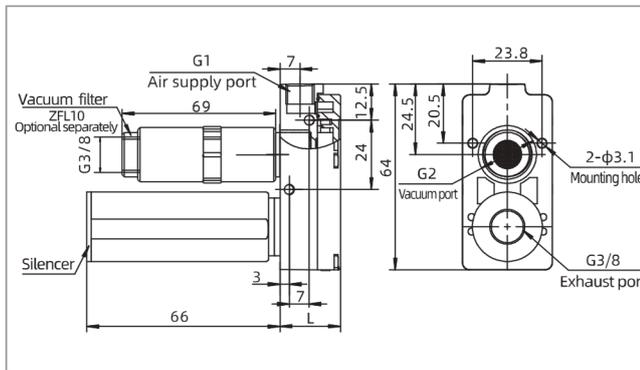
ABM/ABX Series

Mini Vacuum Generator

Dimensions(mm)



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

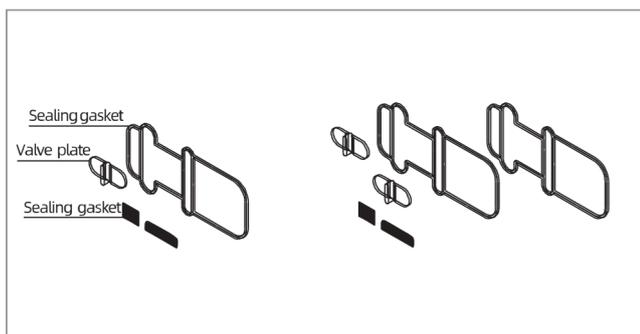


ABM(5-30)-C/NC ABX(5-30)-C/NC

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

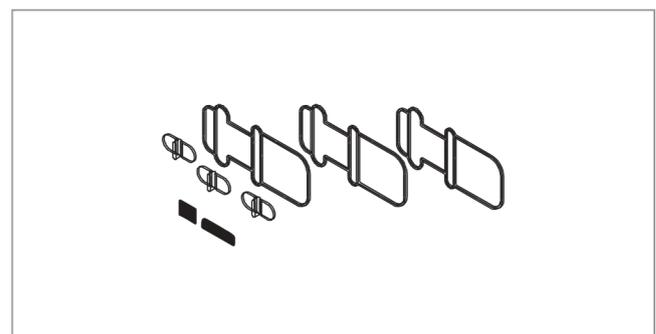
Model/size	G1	G2	L	Weight g
ABM/ABX5-C	G1/8	G3/8	20.7	84
ABM/ABX5-NC	NPSF1/8	NPSF3/8	20.7	84
ABM/ABX10-C	G1/8	G3/8	20.7	87
ABM/ABX10-NC	NPSF1/8	NPSF3/8	20.7	87
ABM/ABX20-C	G1/8	G3/8	28	100
ABM/ABX20-NC	NPSF1/8	NPSF3/8	28	100
ABM/ABX30-C	G1/8	G3/8	35	112
ABM/ABX30-NC	NPSF1/8	NPSF3/8	35	112

Repair kits



ABM10-PK

ABM20-PK



ABM30-PK

Item	Sealing kits model			Model	Applicable vacuum generator
	NBR	F	E		
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