



**Features**

**AM Series**

- ◇ Low air supply pressure, reach max. vacuum level at 3.4 bar.
- ◇ Optional energy-saving system(ES) or other control device.
- ◇ Suitable for occasions requiring large vacuum flow.

**AL Series**

- ◇ High vacuum flow
- ◇ Optional energy-saving system(ES) or other control device.
- ◇ Short evacuation time.

**AH Series**

- ◇ Especially for non-leakage and non-porous applications.



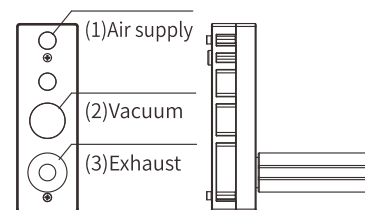
**How to order**

**AM 25L – D – N – A – ES**

①      ②      ③      ④      ⑤      ⑥

① Series	② Specification	③ Connection plate	④ Sealing
<b>AM</b> - Universal type (-92kPa)	25L   50L   75L 100L   125L   150L	D B	<b>N</b> - NBR <b>E</b> - EPDM <b>F</b> - Fluorine rubber
<b>AL</b> - Flow type (-81kPa)	25   50   75 100   125   150	AD E	
<b>AH</b> - High vacuum level type (-100.8kPa)	40   120	(Refer to table 1)	

⑤ Non-return valve	⑥ Control device
<b>Nil</b> - Default , without non-return valve	<b>Nil</b> - Default , without control device
<b>A</b> - With non-return valve	<b>PD</b> - Electric control air supply
	<b>PQ</b> - Pneumatic control air supply
	<b>VD</b> - Electric control vacuum breaking
	<b>VQ</b> - Pneumatic control vacuum breaking
	<b>PVD</b> - Electric control(air supply+vacuum breaking) Combination
	<b>PVQ</b> - Pneumatic control(air supply+vacuum breaking) Combination
	<b>ES</b> - Energy-saving system



**Connection plate table 1**

Model	Specification	Connection plate	Air supply(1)	Vacuum(2)	Exhaust(3)	Connection plate material
<b>AM</b> <b>AL</b>	25- 100	D	NPSF1/8	G3/4	G3/4	PPS
		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
<b>AM</b> <b>AL</b>	125-150	D	G1/4	G1"	G1"	PPS
		B	NPT1/4	NPT1"	NPT1"	PPS
		AD	G1/4	G1"	G1"	Aluminum alloy
		E	NPT1/4	NPT1"	NPT1"	Aluminum alloy
<b>AH</b>	40-120	D	NPSF1/8	G3/4	G3/4	PPS
		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

**Technical parameters**

Model	Air supply pressure (bar)	Max. vacuum level (-kPa)	Max. vacuum flow (NL/min)	Max. air consumption (NL/min)	Weight (g)	Noise level (dB(A))	Recommended hose dia. (mm)	
							(Hose outer dia.) Air supply	(Wired hose inner dia.) Vacuum
<b>AM25L</b>	3.4	92	360	116	675	80	8	19
<b>AM50L</b>	3.4	92	600	230	675	81	10	19
<b>AM75L</b>	3.4	92	760	365	837	81	10	25
<b>AM100L</b>	3.4	92	850	445	837	81	10	25
<b>AM125L</b>	3.4	92	1,150	545	1,075	82	12	32
<b>AM150L</b>	3.4	92	1,200	655	1,075	82	12	32
<b>AM25L</b>	6.0	89	420	185	675	80	8	19
<b>AM50L</b>	6.0	89	700	370	675	81	10	19
<b>AM75L</b>	6.0	89	950	610	837	81	10	25
<b>AM100L</b>	6.0	89	1,010	720	837	81	10	25
<b>AM125L</b>	6.0	89	1,400	780	1,075	82	12	32
<b>AM150L</b>	6.0	89	1,500	810	1,075	82	12	32
<b>AL25</b>	6.0	81	360	105	675	81	8	19
<b>AL50</b>	6.0	81	640	215	675	81	10	19
<b>AL75</b>	6.0	81	850	320	837	81	10	25
<b>AL100</b>	6.0	81	990	390	837	82	10	25
<b>AL125</b>	6.0	81	1,170	480	1,075	82	12	32
<b>AL150</b>	6.0	81	1,230	620	1,075	81	12	32
<b>AH40</b>	6.0	99.8	150	155	675	81	10	19
<b>AH120</b>	6.0	100.8	530	440	837	81	12	19

AZK

AGS

AGL

AGB

AGP

AGX

AMC

AEVC

ALS

AZR

ABM/ABX

ABM/ABX  
Combined type

ASM/ASX

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**AM/AL/AH**

AM/AL/AH  
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AZL

ACP

ACPF

ACPS

ACV

AQV

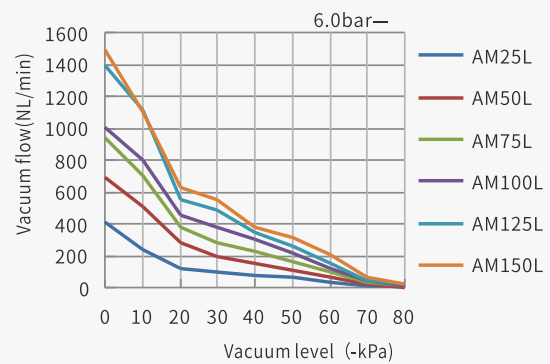
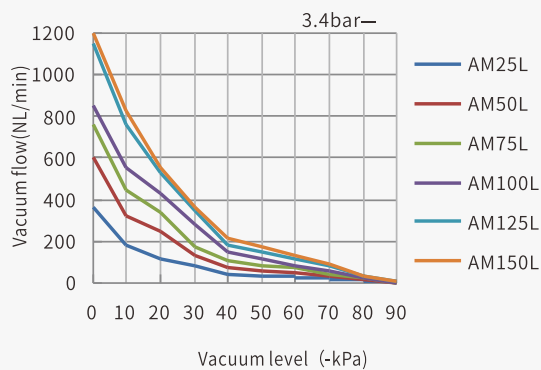
AZH

AZU

ASBP

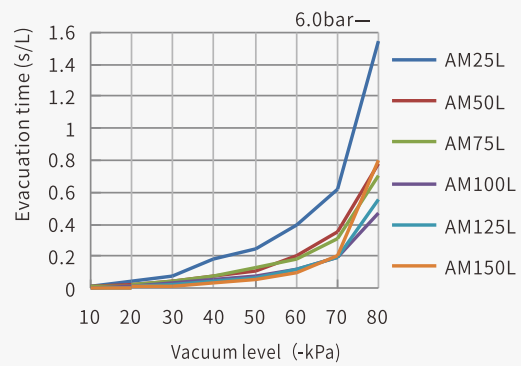
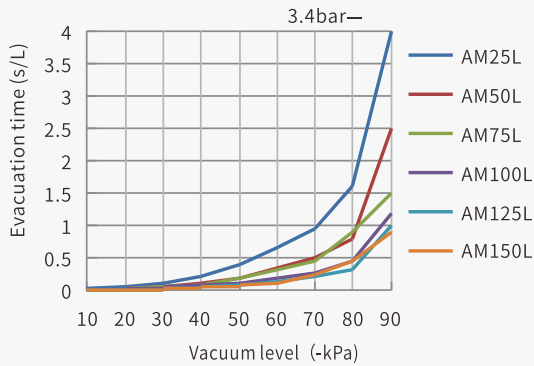
### Vacuum flow(NL/min) at different vacuum levels(-kPa)

Model	Air supply pressure (bar)	Air consumption 0 (NL/min)	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



**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	0.06	0.11	0.21	0.4	0.65	0.95	1.6	4	92
AM50L	3.4	230	0.014	0.031	0.06	0.1	0.2	0.34	0.5	0.8	2.5	92
AM75L	3.4	365	0.012	0.029	0.058	0.095	0.18	0.31	0.46	0.89	1.5	92
AM100L	3.4	445	0.01	0.025	0.043	0.075	0.11	0.19	0.27	0.45	1.2	92
AM125L	3.4	545	0.006	0.015	0.029	0.052	0.085	0.145	0.202	0.33	1	92
AM150L	3.4	655	0.005	0.013	0.027	0.045	0.07	0.105	0.23	0.46	0.9	92
AM25L	6.0	185	0.018	0.05	0.08	0.18	0.25	0.4	0.62	1.55	—	89
AM50L	6.0	370	0.01	0.022	0.048	0.08	0.11	0.2	0.35	0.78	—	89
AM75L	6.0	610	0.009	0.019	0.045	0.075	0.13	0.18	0.31	0.7	—	89
AM100L	6.0	720	0.007	0.018	0.038	0.055	0.08	0.12	0.19	0.47	—	89
AM125L	6.0	780	0.005	0.013	0.026	0.045	0.062	0.115	0.194	0.56	—	89
AM150L	6.0	810	0.003	0.009	0.014	0.03	0.06	0.095	0.2	0.8	—	89



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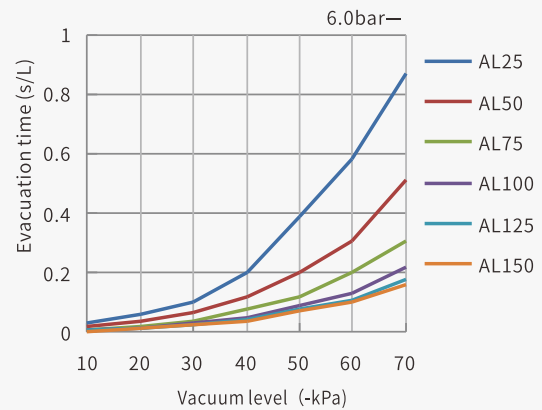
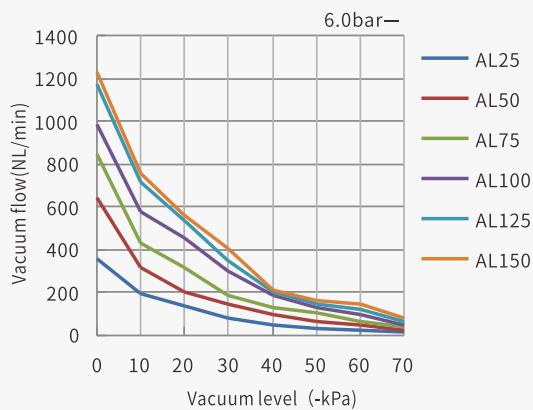
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**Vacuum flow(NL/min) at different vacuum levels(-kPa)**

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

**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	0.03	0.06	0.1	0.2	0.39	0.58	0.87	81
AL50	6.0	215	0.018	0.039	0.066	0.12	0.2	0.31	0.51	81
AL75	6.0	320	0.01	0.02	0.04	0.08	0.12	0.2	0.31	81
AL100	6.0	390	0.008	0.017	0.032	0.05	0.09	0.13	0.22	81
AL125	6.0	480	0.006	0.016	0.026	0.045	0.078	0.11	0.18	81
AL150	6.0	620	0.005	0.014	0.024	0.04	0.071	0.1	0.16	81

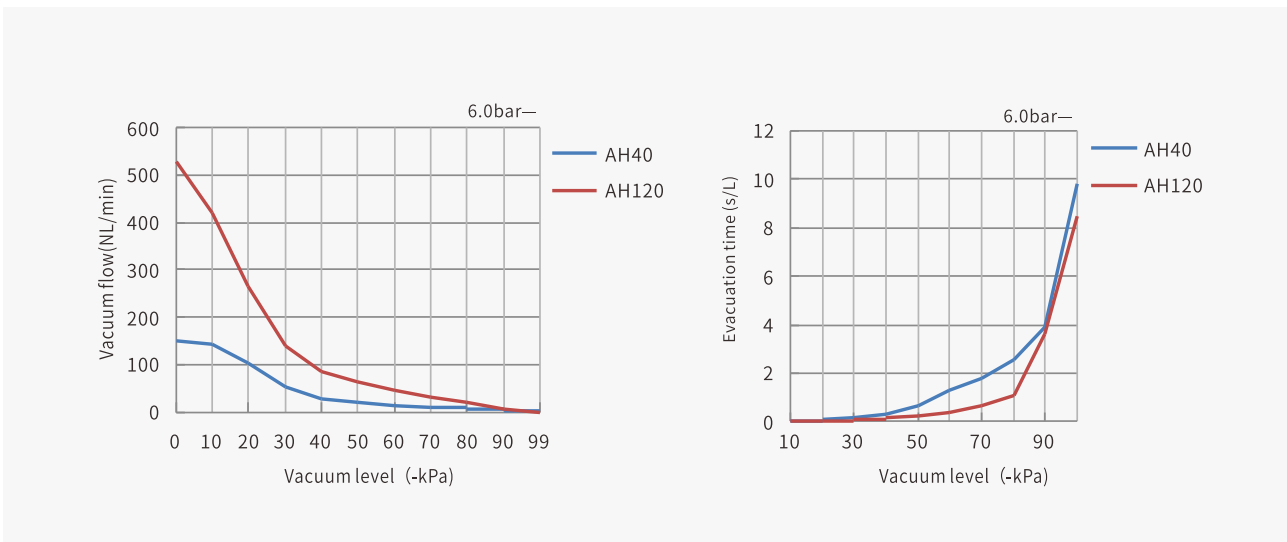


**Vacuum flow(NL/min) at different vacuum levels(-kPa)**

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	8.5	5.5	3	0.2	99.8
AH120	6.0	440	530	420	265	141	85	65	45	33	21.5	6	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	0.035	0.08	0.18	0.32	0.64	1.3	1.8	2.6	3.9	9.8	99.8
AH120	6.0	440	0.02	0.04	0.08	0.14	0.25	0.38	0.66	1.08	3.6	8.5	100.8



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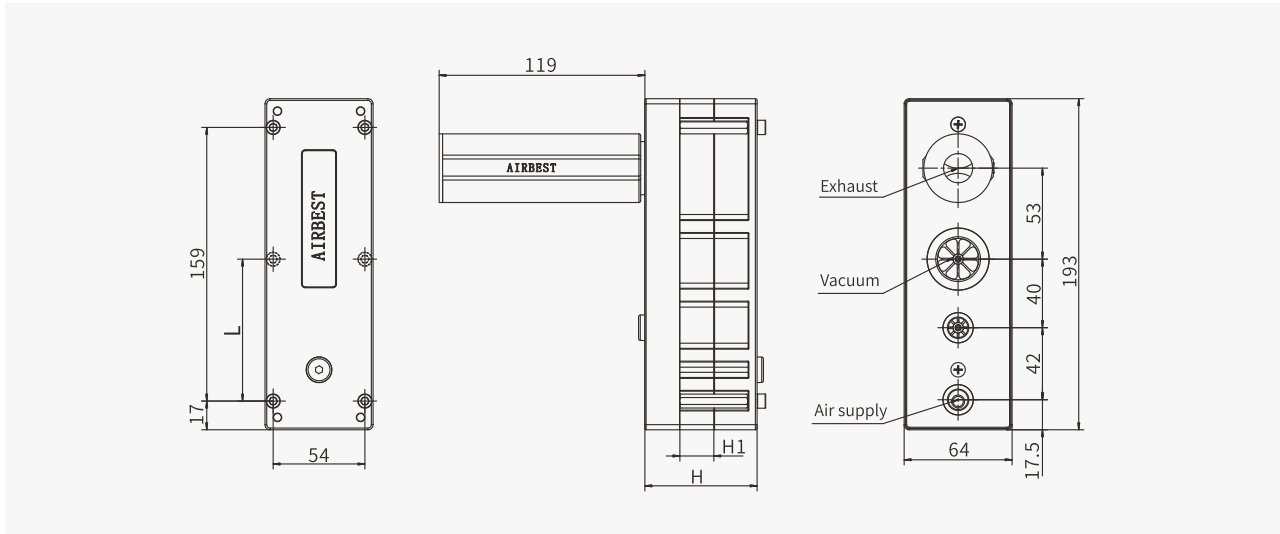
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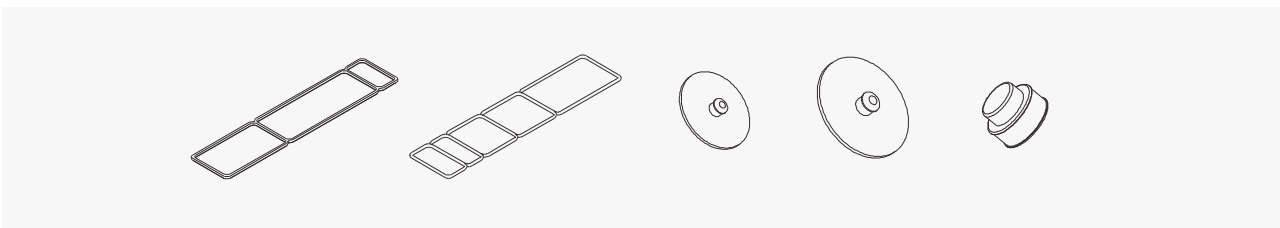
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**Dimensions (mm)**



Model/Size	H	H1	L
AM25-50L	45	—	—
AL25-50	45	—	—
AH40	45	—	—
AM75-100L	65	20	—
AL75-100	65	20	—
AH120	65	20	—
AM125-150L	85	40	82.7
AL125-150	85	40	82.7

**Repair kits**



Model	Specification	Sealing			Repair kits code	Applicable vacuum pump
		Nil	F	E		
AM	50L	●	○	○	PK	AM25L, 50L; AL25, 50; AH40
	100L	●	○	○		AM75L, 100L; AL75, 100; AH120
	125L	●	○	○		AM125L, AL125
	150L	●	○	○		AM150L, AL150

Example: AM100L-E-PK

◇ Note: "●"-default, in stock. "○"-selective, no stock.