

Features

The AM combined type high flow vacuum pump can produce very high vacuum flow. This type of pump can be used in many applications especially in high leakage systems, porous materials vacuum system and large vacuum circuits. The vacuum gauge, air pressure gauge, 1" silencer and mounting bracket are also supplied together with the pump.

Specifications

Max.vacuum level	-kPa	92
Max.vacuum flow	l/min	4570
Air supply pressure	bar	3.4~6 Max.7
Temperature range	°C	-20~80
Weight	g	3724~7929
Noise level	dBA	55~68

Technical Parameters

Model	Max.vacuum level	Max.vacuum flow	Air consumption	Weight	Min tube inner Φ (within 2m)		
	-kPa	l/min	l/min	g	Air supply	Vacuum	Exhaust
AM150M	92	1880	720~1120	3724	> 10	> 32	> 40
AM200M		2200	930~1460	3892	> 10	> 32	> 40
AM300M		3150	1420~2290	5525	> 12	> 40	> 60
AM400M		3710	1680~2790	6447	> 12	> 40	> 60
AM500M		4570	2440~3520	7929	> 14	> 45	> 70

How to Order

AM150M P-N-A

① ② ③ ④

① Model

AM150M	AM400M
AM200M	AM500M
AM300M	

② Exhaust specification

Nil	Standard
P	Side exhaust

③ Sealing

N	NBR
E	EPDM
V	VITON

④ Non-Return valve

A	Yes
-	No

• AM150M

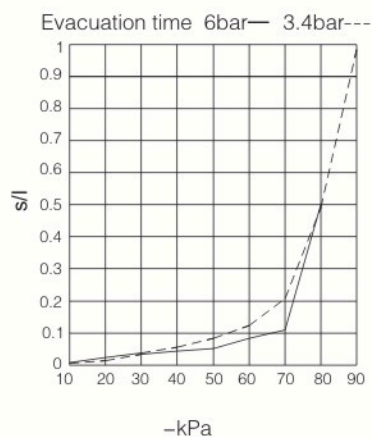
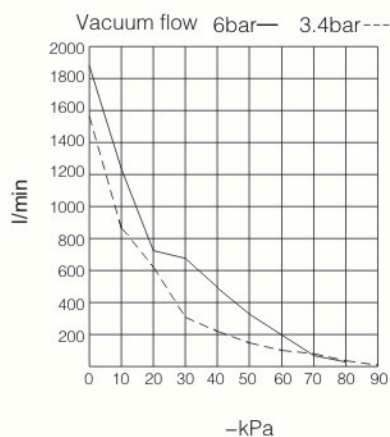
Vacuum flow (l/min) at different vacuum levels(-kPa)

Air supply pressure	Air consumption	Vacuum flow (l/min) at different vacuum levels(-kPa)										Max.vacuum level
bar	l/min	0	10	20	30	40	50	60	70	80	90	-kPa
3.4	720	1550	840	610	315	205	150	95	80	36	2.5	92
6	1120	1880	1210	730	640	490	340	200	75	25		89

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

Air supply pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels(-kPa)									Max.vacuum level
bar	l/min	10	20	30	40	50	60	70	80	90	-kPa
3.4	720	0.009	0.02	0.03	0.06	0.09	0.14	0.21	0.47	0.93	92
6	1120	0.007	0.017	0.026	0.04	0.06	0.08	0.12	0.5		89





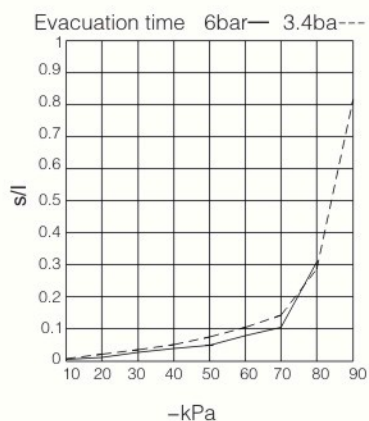
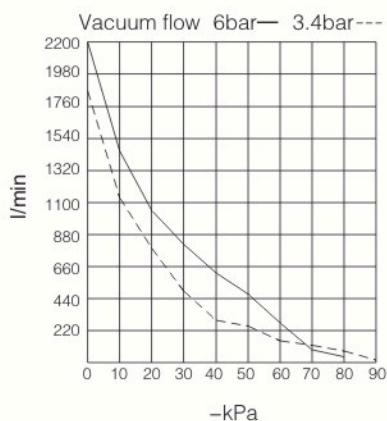
• **AM200M**

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

Air supply pressure	Air consumption	Vacuum flow (l/min) at different vacuum levels(-kPa)											Max.vacuum level
		0	10	20	30	40	50	60	70	80	90	-kPa	
3.4	930	1840	1090	770	470	280	210	155	95	50	4	92	
6	1460	2200	1490	930	800	650	490	245	85	11		89	

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

Air supply pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels(-kPa)											Max.vacuum level
		10	20	30	40	50	60	70	80	90	-kPa		
3.4	930	0.006	0.016	0.028	0.04	0.06	0.11	0.16	0.27	0.82	92		
6	1460	0.005	0.012	0.022	0.03	0.04	0.06	0.11	0.33		89		

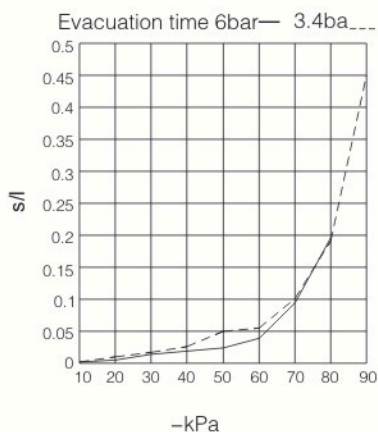
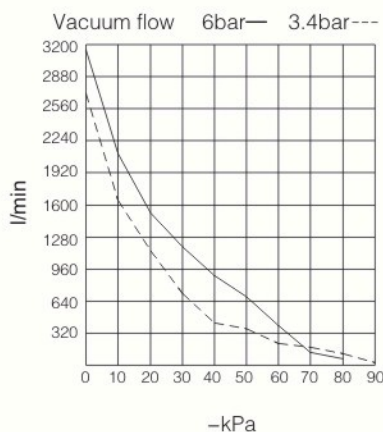


• AM300M
Vacuum flow (l/min) at different vacuum levels(-kPa)

Air supply pressure	Air consumption	Vacuum flow (l/min) at different vacuum levels(-kPa)										Max.vacuum level
bar	l/min	0	10	20	30	40	50	60	70	80	90	-kPa
3.4	1420	2750	1610	1160	760	470	325	270	185	80	7.5	92
6	2290	3150	2100	1410	1180	930	660	365	105	75		89

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

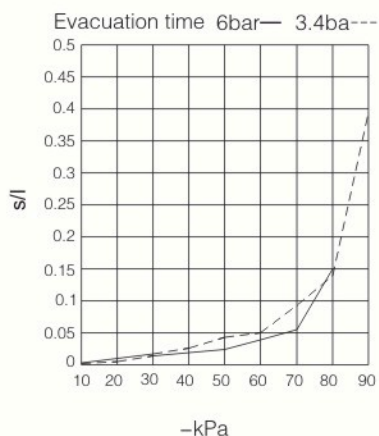
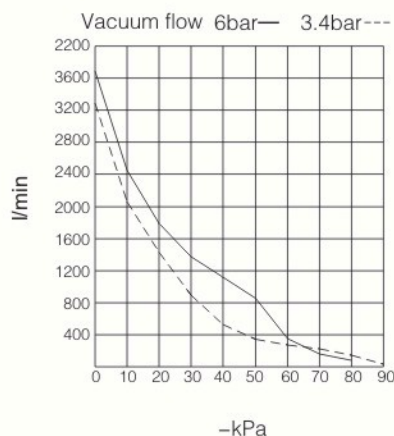
Air supply pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels(–kPa)									Max.vacuum level
bar	l/min	10	20	30	40	50	60	70	80	90	–kPa
3.4	1420	0.004	0.014	0.02	0.03	0.05	0.07	0.11	0.17	0.45	92
6	2290	0.004	0.01	0.013	0.023	0.03	0.04	0.08	0.19		89


• AM400M
Vacuum flow (l/min) at different vacuum levels(-kPa)

Air supply pressure	Air consumption	Vacuum flow (l/min) at different vacuum levels(-kPa)										Max.vacuum level
bar	l/min	0	10	20	30	40	50	60	70	80	90	-kPa
3.4	1680	3290	2080	1420	870	620	372	335	215	100	11.5	92
6	2790	3710	2480	1800	1450	1100	870	370	195	80		89

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

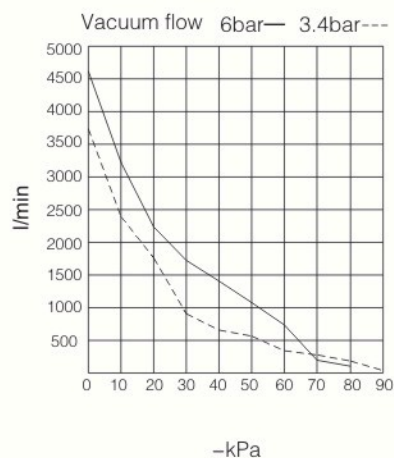
Air supply pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels(–kPa)									Max.vacuum level
bar	l/min	10	20	30	40	50	60	70	80	90	–kPa
3.4	1680	0.004	0.01	0.015	0.023	0.03	0.05	0.08	0.13	0.37	92
6	2790	0.003	0.008	0.012	0.02	0.025	0.03	0.06	0.15		89



• **AM500M**

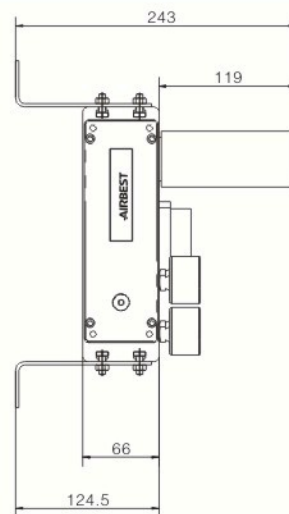
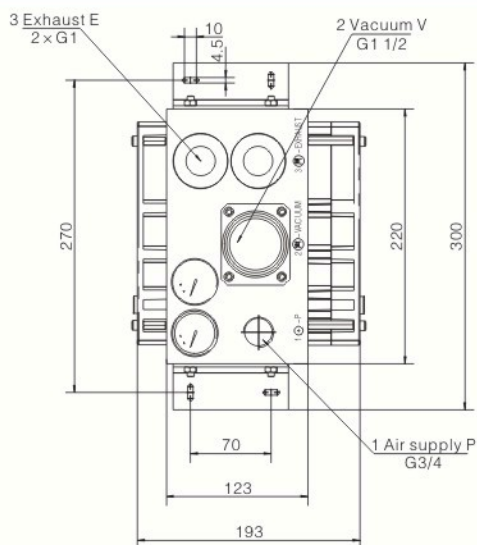
Vacuum flow (l/min) at different vacuum levels(-kPa)

Air supply pressure bar	Air consumption l/min	Vacuum flow (l/min) at different vacuum levels(-kPa)										Max.vacuum level
		0	10	20	30	40	50	60	70	80	90	-kPa
3.4	2440	3740	2420	1800	970	710	590	360	270	130	15.5	92
6	3520	4570	3240	2330	1800	1470	1140	700	205	115		89

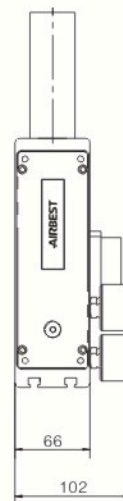
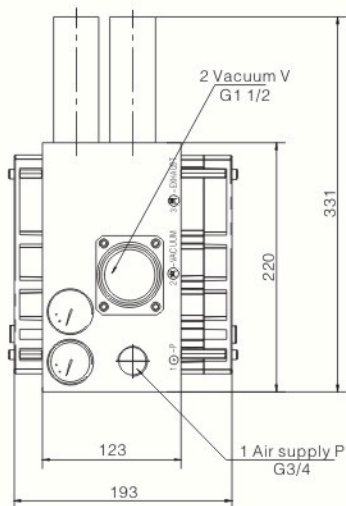


Dimensions (mm)

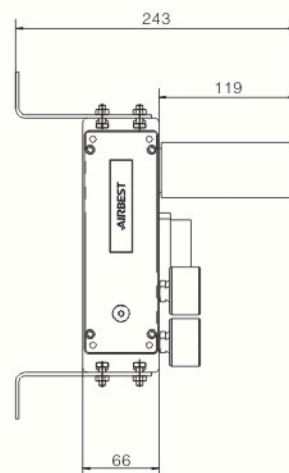
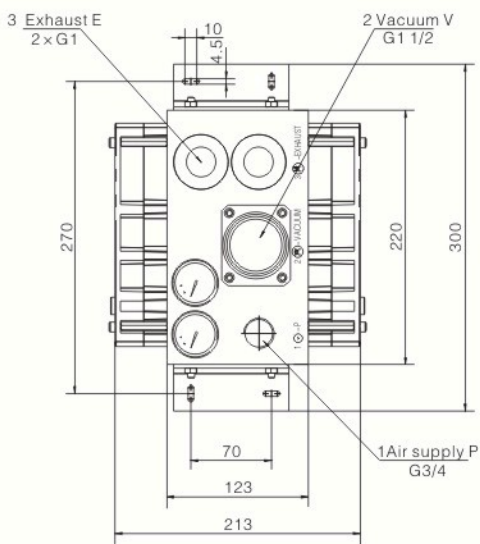
• AM150M



• AM150MP



• AM200M



Vacuum Pumps

ABM

ABX

ABM/ABX
Combined type

AM

AL

AH

AM
Combined type

AL
Combined type

AH
Combined type

AZL112

AZL212

ACP

ACPF

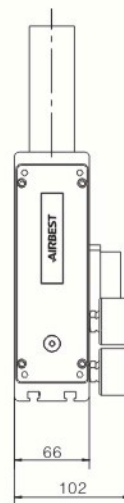
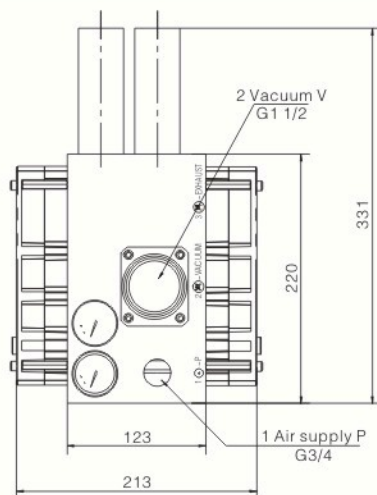
ACV

AZH

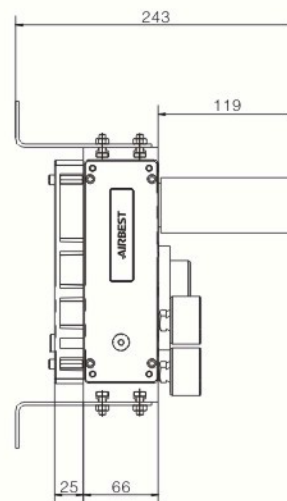
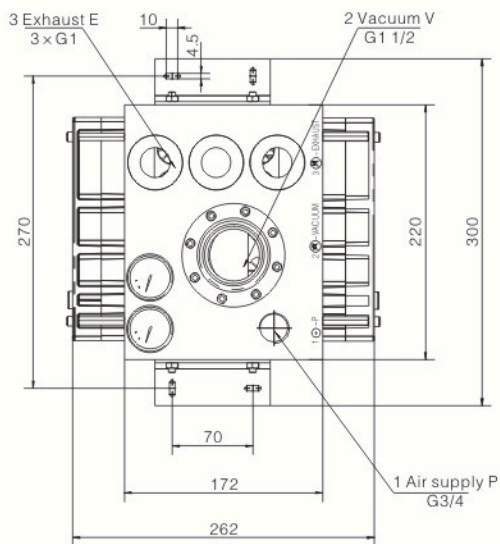
AZU

ASBP

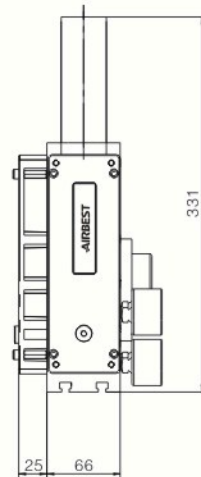
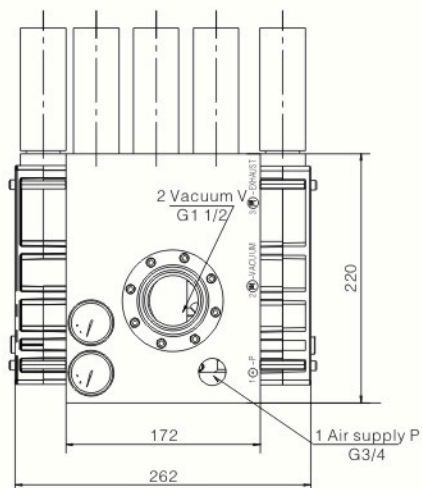
• AM200MP



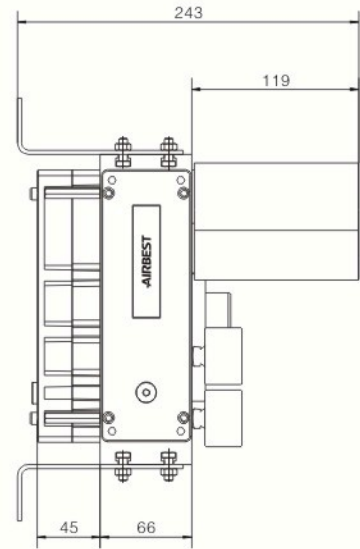
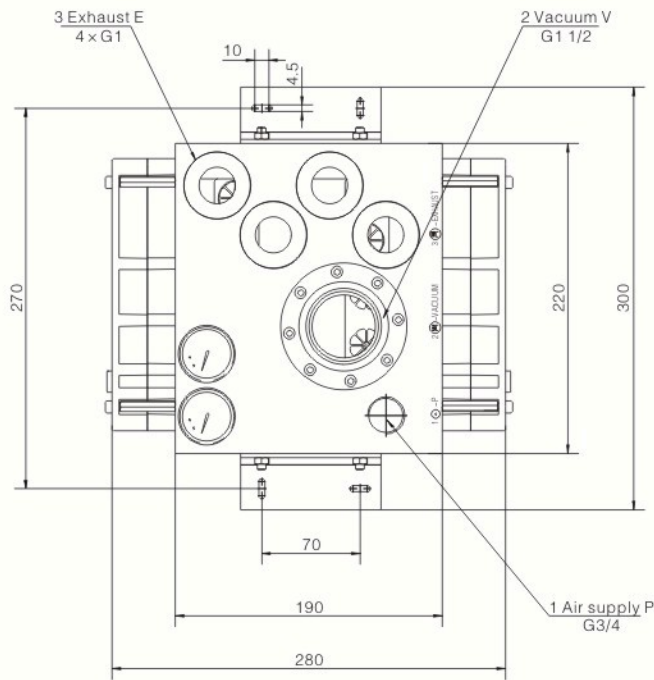
• AM300M



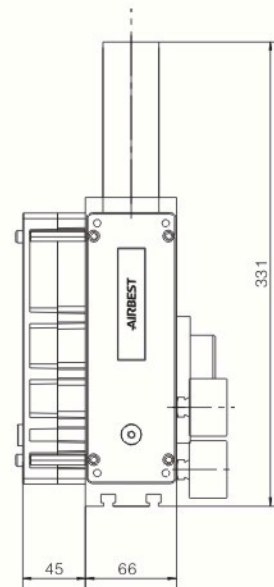
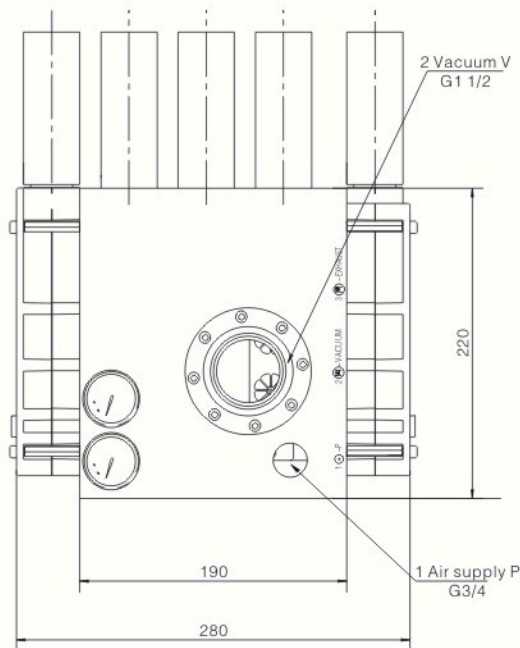
• AM300MP



• **AM400M**



• **AM400MP**



Vacuum Pumps

ABM

ABX

ABM/ABX
Combined type

AM

AL

AH

AM
Combined type

AL
Combined type

AH
Combined type

AZL112

AZL212

ACP

ACPF

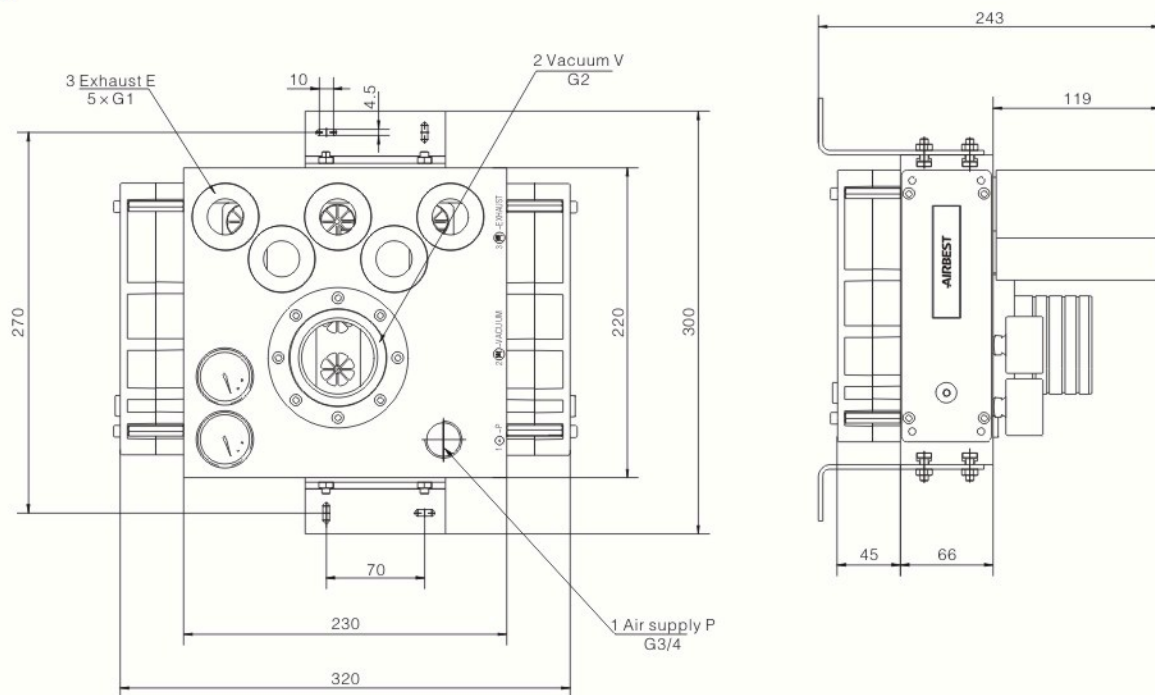
ACV

AZH

AZU

ASBP

• **AM500M**



• **AM500MP**

