

AM/AL Series

Combined Type Multistage Vacuum Generator

AIRBEST

RoHS



METAL SHEET



PACKAGING



WOOD



COMPOSITE MATERIAL

Features

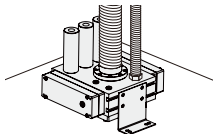
- ◇ Energy-efficient multistage nozzle design
- ◇ It has a very strong suction capacity
- ◇ With mounting bracket
- ◇ External silencer

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

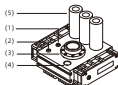
- ◇ The multistage large flow vacuum generator is suitable for handling cartons, packaging materials and porous materials
- ◇ Used in conveying systems, such as particulate matter, powder, etc
- ◇ Used for working conditions requiring large vacuum flow, fast evacuation and less air consumption



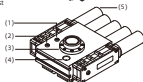
Structure

- ◇ (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

AIRBEST

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.) Air supply port	Recommended hose dia. mm (Wired hose inner dia.) 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

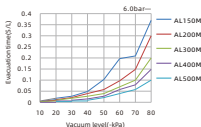
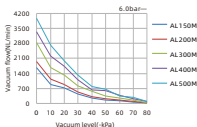
Model	Rated air supply pressure bar	Max. vacuum level -kPa	Max. vacuum flow NL/min	Air consumption NL/min	Noise level dB(A)	Working temperature °C	Weight g	Recommended hose dia. mm (Hose outer dia.) Air supply port	Recommended hose dia. mm (Wired hose inner dia.) Vacuum port
AL150M	6.0	81	1,660	650	80	-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 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	0.015	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

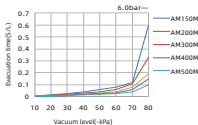
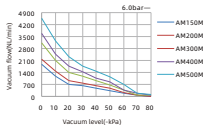


Vacuum flow(NL/min) at different vacuum levels(-kPa)

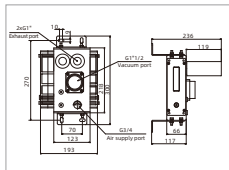
Model	Air supply pressure bar	Air consumption NL/min	0	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AM150M	6.0	1,120	1,880	1,210	730	640	490	340	200	75	25	89
AM200M	6.0	1,460	2,200	1,490	930	800	650	490	245	85	11	89
AM300M	6.0	2,290	3,150	2,100	1,410	1,180	930	660	365	105	75	89
AM400M	6.0	2,790	3,710	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)

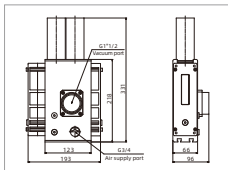
Model	Air supply pressure bar	Air consumption NL/min	10	20	30	40	50	60	70	80	Max. vacuum level -kPa
AM150M	6.0	1,120	0.007	0.017	0.026	0.040	0.060	0.080	0.120	0.600	89
AM200M	6.0	1,460	0.005	0.012	0.022	0.030	0.040	0.060	0.110	0.330	89
AM300M	6.0	2,290	0.004	0.010	0.013	0.023	0.030	0.040	0.080	0.190	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



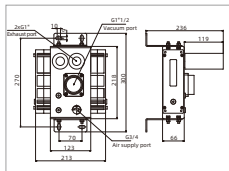
Dimensions(mm)



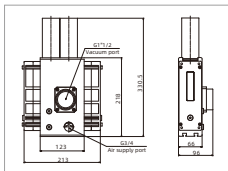
AM150M AL150M



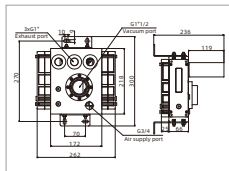
AM150M-P AL150M-P



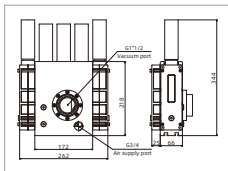
AM200M AL200M



AM200M-P AL200M-P



AM300M AL300M



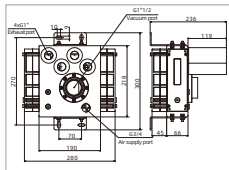
AM300M-P AL300M-P

AM/AL Series

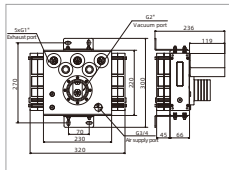
Combined Type Multistage Vacuum Generator

AIRBEST

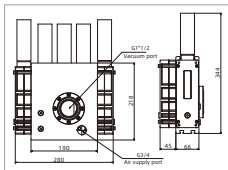
Dimensions(mm)



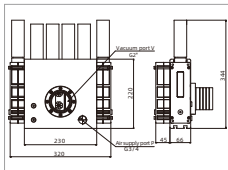
AM400M AL400M



AM500M AL500M



AM400M-P AL400M-P



AM500M-P AL500M-P

Vacuum Generator

AZX

AZQ

AZX

AZD

AGS

AGB

AGP

AGX

AGE

ABP/ABQ

ABH/ABJ

ABK

ABL/ABM

ABN/ABO

ABP

ABQ

ABR

ABS

ABT

ABU

ABV

ABW

ABX

ABY

ABZ

ABA

ABB

ABC

ABD

ABE

ABF

ABG