

AM Multi-stage vacuum generator



Features

- Achieves a vacuum level of -90kPa.
- Operates under conditions of 4.5bar.
- Suitable for porous materials or situations with leaks.
- Energy-saving system (ES).
- Aluminum connection panel (AD) and polyphenylthiourea composite material connection panel (D).
- Includes a DC silencer and installation brackets.

Technical Specifications

Maximum supply air pressure	Bar	7
Minimum supply air pressure	bar	3.4
Noise	dBA	60~65
Temperature range	°C	0-80
Weight	g	750-1200
Material		AL · PPS · SS · PA · NBR

Product parameters

Model	Maximum vacuum level -kPa	Maximum vacuum flow rate l/min	Air consumption rate(l/min)	Weight (PPS material) g	Minimum hose inner diameter Ø (within 2 meters)		
					Air supply	Vacuum	Exhaust
AM25L	92	420	116-185	675	>4	>12	>12
AM50L		700	230-370	675	>6	> 15	>15
AM75L		950	365-610	837	>8	>19	>22
AM 100L		1010	445-720	837	>8	> 19	>22
AM 125L		1400	545-780	1075	>10	> 25	>32
AM150L		1500	655-810	1075	>10	>25	>32



Order Code

AM25L - D - N - A - ES

① ② ③ ④ ⑤

① Model

AM25L	AM 100L
AM50L	AM 125L
AM75L	AM150L

③ Sealing material

N	Nitrile rubber
V	Fluoroelastomer

② Connection panel

AM25L-AM100L

	Air supply port	Vacuum	Exhaust	Material
D	NPSF1/8"	G3/4"	G3/4"	PPS
B	NPSF1/8"	NPT 3/4"	NPT3/4"	PPS
AD	G1/4"	G3/4"	G3/4"	Aluminum
E	NPT1/4"	NPT 3/4"	NPT3/4"	Aluminum

AM125L-AM150L

	Air supply port	Vacuum	Exhaust	Material
D	G1/4"	G1"	G1"	PPS
B	NPT1/4"	NPT 1"	G1"	PPS
AD	G1/4"	G1"	NPT 1"	Aluminum
E	NPT1/4"	NPT 1"	NPT 1"	Aluminum

④ Check valve

A	Yes
—	No

⑤ Control device

PD	Electrically controlled air supply	PVD	Electrically controlled (air supply + vacuum release) combination
PQ	Pneumatically controlled air supply	PVQ	Pneumatically controlled (air supply + vacuum release) combination
VD	Electrically controlled vacuum release	ES	Energy-saving system
VQ	Pneumatically controlled vacuum release	—	None



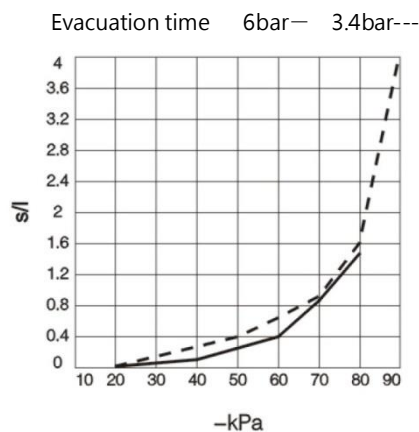
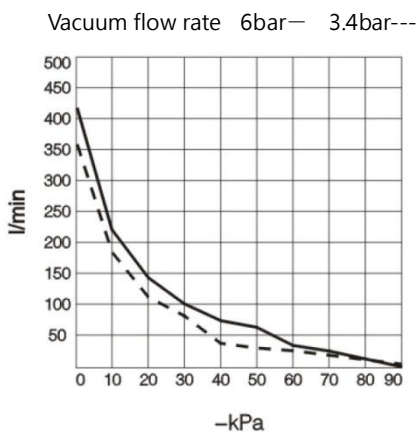
AM25L

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

Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90	
3.4	116	360	180	115	80	43	30	22.5	15.5	7.5	1.2	92
6	185	420	240	125	100	82	65	38	12.5	3.5	—	89

■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	116	0.022	0.06	0.11	0.21	0.4	0.65	0.95	1.60	4	92	
6	185	0.018	0.05	0.08	0.18	0.25	0.40	0.62	1.55	—	89	



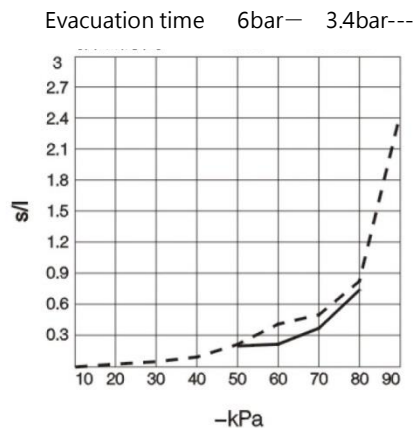
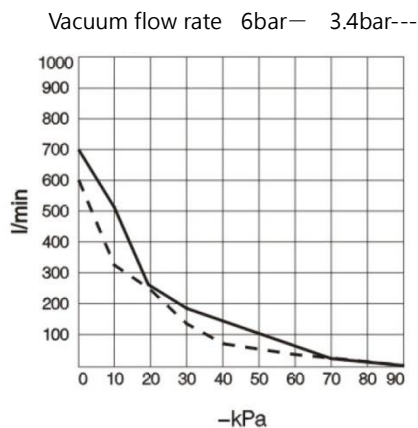
AM50L

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

Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90	
3.4	230	600	320	250	135	75	60	46	30	13	1.5	92
6	370	700	510	290	195	160	115	70	22	8	—	89

■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	230	0.014	0.031	0.06	0.10	0.20	0.34	0.50	0.80	2.5	92	
6	370	0.01	0.022	0.048	0.08	0.11	0.20	0.35	0.78	—	89	





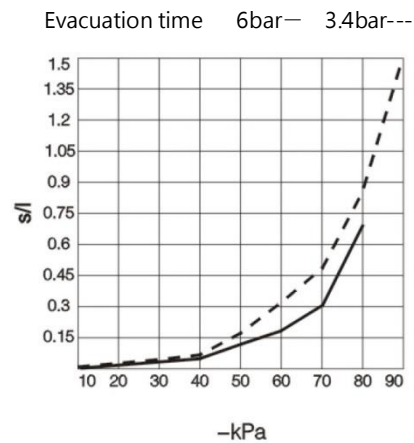
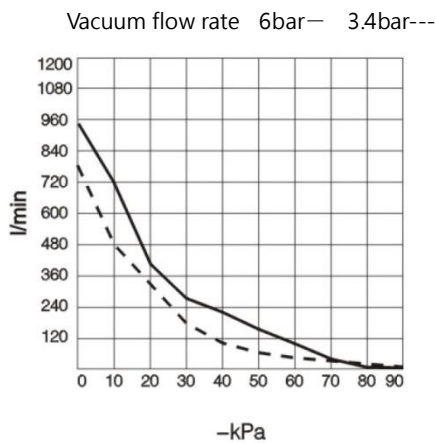
AM75L

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

Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90	
3.4	365	760	445	340	175	110	85	70	43	20	1.8	92
6	610	950	710	380	285	230	170	100	32	11	—	89

■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	365	0.012	0.029	0.058	0.095	0.18	0.31	0.46	0.89	1.5	92	
6	610	0.009	0.019	0.045	0.075	0.13	0.18	0.31	0.70	—	89	





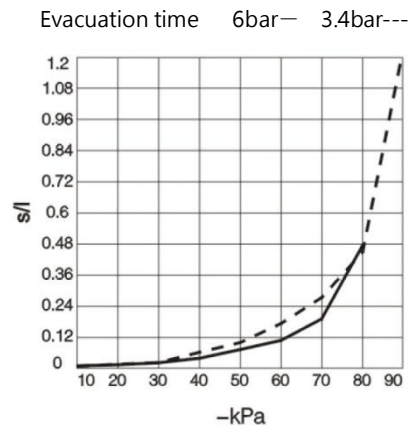
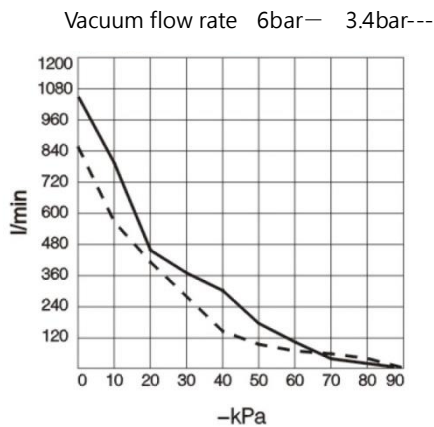
AM100L

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

Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)											Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90		
3.4	445	850	550	430	280	145	115	85	60	28	2.2	92	
6	720	1010	800	460	385	310	215	125	42	15.5	—	89	

■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	445	0.010	0.025	0.043	0.075	0.11	0.19	0.27	0.45	1.2	92	
6	720	0.007	0.018	0.038	0.055	0.08	0.12	0.19	0.47	—	89	





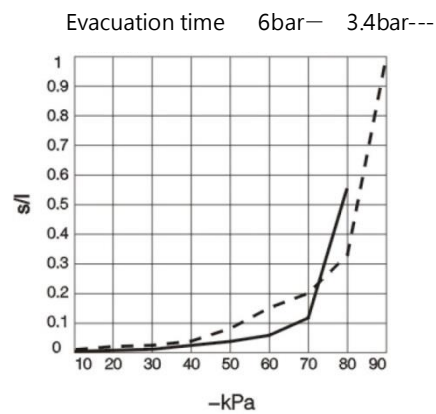
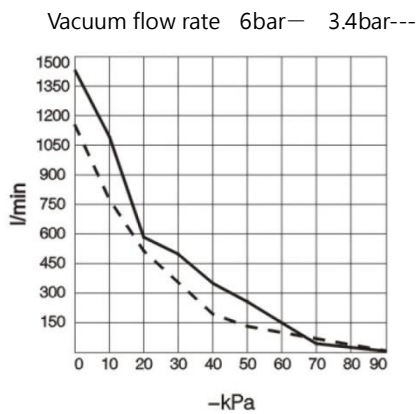
AM125L

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

Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)											Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90		
3.4	545	1150	760	530	350	180	148	115	78	34.5	3.5	92	
6	780	1400	1120	560	490	355	260	150	50	25	—	89	

■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	545	0.006	0.015	0.029	0.052	0.085	0.145	0.202	0.330	1	92	
6	780	0.005	0.013	0.026	0.045	0.062	0.115	0.194	0.56	—	89	





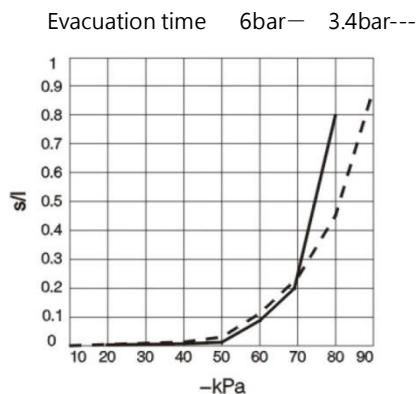
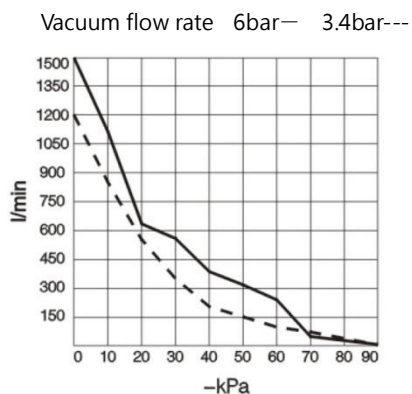
AM150L

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

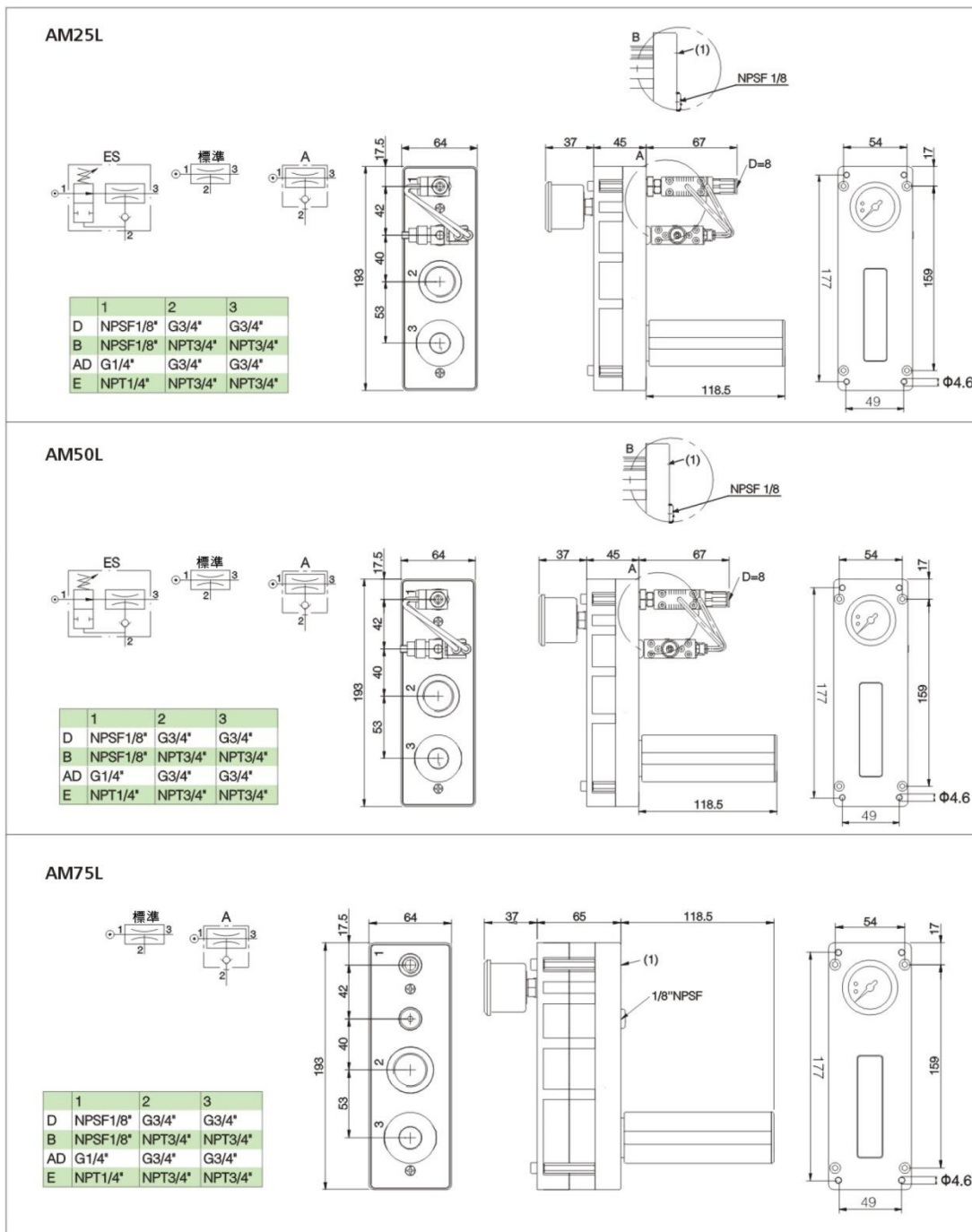
Supply air pressure bar	Air consumption rate(l/min)	Vacuum flow rate (l/min) at different vacuum levels (-kPa)											Maximum vacuum level(-kPa)
		0	10	20	30	40	50	60	70	80	90		
3.4	655	1200	830	550	360	215	170	130	90	36	5	92	
6	810	1500	1110	630	560	385	315	210	65	26	—	89	

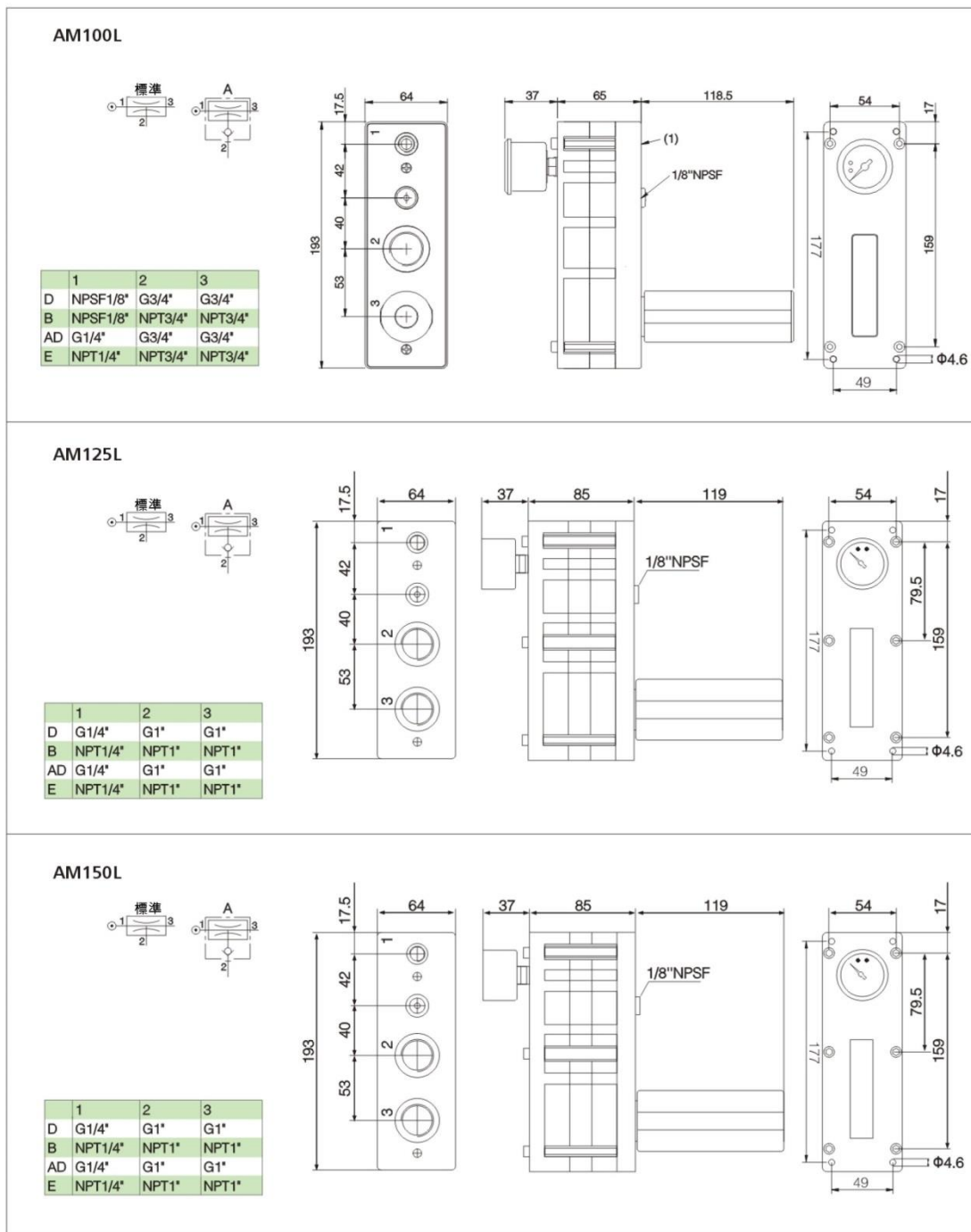
■ Evacuation time (s/l) at different vacuum levels (-kPa)

Supply air pressure bar	Air consumption rate(l/min)	Evacuation time (s/l) at different vacuum levels (-kPa)										Maximum vacuum level(-kPa)
		10	20	30	40	50	60	70	80	90		
3.4	655	0.005	0.013	0.027	0.045	0.070	0.105	0.23	0.46	0.9	92	
6	810	0.003	0.009	0.014	0.030	0.060	0.095	0.20	0.8	—	89	



Dimensions (mm)







Application examples

