

- Three stage vacuum generator
- Lightweight construction
- Threaded ports in BSPP and NPSF
- High efficient multi stage technology
- Ideal for centralized vacuum systems
- Very quiet operation, as low as 45dB(A)w
- Can be used with Vacuforce ESK energy savings system
- Available with aluminum or PPS (polypropylene sulphide) Port Plate



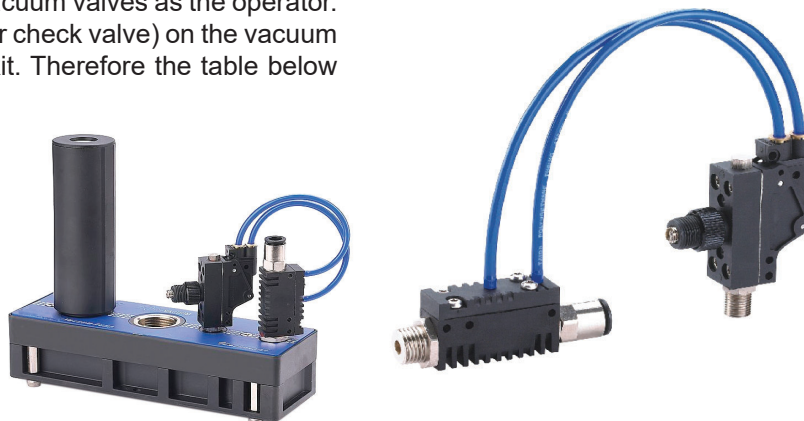
AM25L	B					N	A		
Model	Air and Vacuum Ports					Seal Material		Check Valve	
AM25L	Code	Air Supply	Vacuum Port	Exhaust Port	Port Plate Material	N	NBR	A	YES
AM50L						E	EPDM		NO
AM75L	AD	G1/4	G3/4	G3/4	Aluminum	V	Fluorocarbon		
AM100L	B	1/8NPSF	3/4NPT	3/4NPT	PPS				
AM150L	D	1/8NPSF	G3/4	G3/4	PPS				
	E	1/4NPT	3/4NPT	3/4NPT	Aluminum				

Energy Saving Kits

This assembly connects directly to the AM and AL venturi models and offers an ON/OFF function for the vacuum generator depending on the vacuum level in the attached system. The switch has a set point range of -16 to -90kPa (5-27"Hg) and is ideal for centralized vacuum systems or systems using vacuum valves as the operator. Vacuum generator models with a non return valve (NRV or check valve) on the vacuum inlet should be ordered for use with the energy saving kit. Therefore the table below shows the designated suffix (A) for this option.

Check Valve Model	ESK Part Ref
AM25L-*-A	ESK25
AM50L-*-A	
AM75L-*-A	
AM100L-*-A	ESK100
AM150-*-A	ESK150

e.g AM100L-B-N-A



AM100L-B-N-A
assembled with ESK25

SEAL KITS	Model	Kit NBR	Kit Viton	Kit EPDM	Spare Non Return Valves		
					NBR	Viton	EPDM
	AM25	01.0025.402	01.0025.602	01.0025.802	AMNRVNBR	AMNRVVT	AMNRVEPDM
	AM50						
	AM75	01.0075.404	01.0075.604	01.0075.804			
	AM100						
AM150	01.0125.404	01.0125.604	01.0125.804				



SPECIFICATIONS

Model	Maximum Vacuum	Maximum Vacuum Flow l/min / CFM	Air Consumption @ 6bar / 87psi l/min / CFM	Weight (g)
AM25L	-92kPa / 27.6"Hg	420 / 15	185 / 6.5	675
AM50L		700 / 25	370 / 13	
AM75L		950 / 34	610 / 21	837
AM100L		1010 / 36	720 / 25	
AM150L		1400 / 49	810 / 28	

FLOW PERFORMANCE

Model	Supply Pressure bar	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AM25L	3.4	116	359	181	116	79	42	31	23	16	8	1.1	-92kPa
	6	185	419	241	125	99	82	65	38	12	3	-	-89kPa
AM50L	3.4	230	600	320	249	136	76	59	46	30	13	1.4	-92kPa
	6	370	699	509	289	195	161	116	70	22	8	-	-89kPa
AM75L	3.4	365	761	444	340	175	110	85	70	43	20	1.7	-92kPa
	6	610	951	710	379	286	229	170	100	32	11	-	-89kPa
AM100L	3.4	445	849	549	430	280	144	116	85	60	28	2.3	-92kPa
	6	720	1010	801	461	385	311	215	125	42	16	-	-89kPa
AM150L	3.4	655	1200	9830	549	359	215	170	130	90	36	5.1	-92kPa
	6	810	1500	1109	631	560	385	314	210	65	26	-	-89kPa

Model	Supply Pressure psi	Air Use CFM	Vacuum Flow (CFM) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AM25L	50	4.1	12.7	6.4	4.1	2.8	1.5	1.1	0.80	0.55	0.27	0.04	27.6"Hg
	87	6.5	14.8	8.5	4.4	3.5	2.9	2.3	1.34	0.44	0.12	-	26.7"Hg
AM50L	50	8.1	21.2	11.3	8.8	4.8	2.7	2.1	1.63	1.06	0.46	0.05	27.6"Hg
	87	13.0	24.7	18.0	10.2	6.9	5.7	4.1	2.47	0.78	0.28	-	26.7"Hg
AM75L	50	12.9	26.9	15.7	12.0	6.2	3.9	3.0	2.47	1.52	0.71	0.06	27.6"Hg
	87	21.5	33.6	25.1	13.4	10.1	8.1	6.0	3.53	1.13	0.39	-	26.7"Hg
AM100L	50	15.7	30.0	19.4	15.2	9.9	5.1	4.1	3.00	2.12	0.99	0.08	27.6"Hg
	87	25.4	35.7	28.3	16.3	13.6	11.0	7.6	4.42	1.48	0.55	-	26.7"Hg
AM150L	50	23.1	42.4	347.4	19.4	12.7	7.6	6.0	4.59	3.18	1.27	0.18	27.6"Hg
	87	28.6	53.0	39.2	22.3	19.8	13.6	11.1	7.42	2.30	0.92	-	26.7"Hg



TIME PERFORMANCE

Model	Supply Pressure bar(g)	Air Use l/min	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)									Max Vacuum -kPa
			10	20	30	40	50	60	70	80	90	
AM25L	3.4	116	0.022	0.06	0.11	0.21	0.4	0.65	0.95	1.6	4	-92
	6	185	0.018	0.05	0.08	0.18	0.25	0.4	0.62	1.55	-	-89
AM50L	3.4	230	0.014	0.031	0.06	0.1	0.2	0.34	0.5	0.8	2.5	-92
	6	370	0.01	0.022	0.048	0.08	0.11	0.2	0.35	0.78	-	-89
AM75L	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	0.7	-	-89
AM100L	3.4	445	0.01	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	0.8	0.12	0.19	0.47	-	-89
AM150L	3.4	655	0.005	0.013	0.027	0.045	0.07	0.105	0.23	0.46	0.9	-92kPa
	6	810	0.003	0.009	0.014	0.03	0.06	0.095	0.2	0.8	-	-89kPa

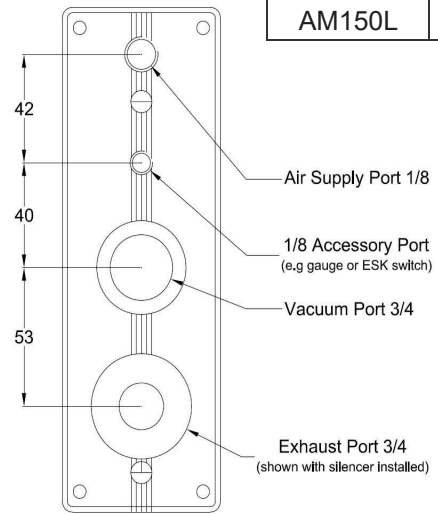
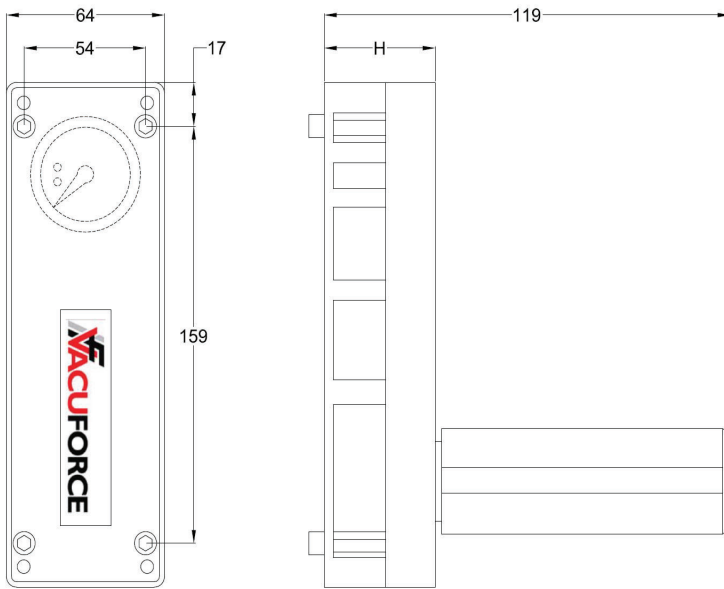
Model	Supply Pressure psi	Air Use CFM	Time to Evacuate a Volume (s/ft ³) to Specific Vacuum Levels (inHg)									Max Vacuum inHg
			3	6	9	12	15	18	21	24	27	
AM25L	50psi	4.1	0.616	1.68	3.08	5.88	11.2	18.2	26.6	44.8	112	27.6
	87psi	6.5	0.504	1.4	2.24	5.04	7	11.2	17.36	43.4	-	26.7
AM50L	50psi	8.1	0.392	0.868	1.68	2.8	5.6	9.52	14	22.4	70	27.6
	87psi	13.0	0.28	0.616	1.344	2.24	3.08	5.6	9.8	21.84	-	26.7
AM75L	50psi	12.9	0.336	0.812	1.624	2.66	5.04	8.68	12.88	24.92	42	27.6
	87psi	21.5	0.252	0.532	1.26	2.1	3.64	5.04	8.68	19.6	-	26.7
AM100L	50psi	15.7	0.28	0.7	1.204	2.1	3.08	5.32	7.56	12.6	33.6	27.6
	87psi	25.4	0.196	0.504	1.064	1.54	22.4	3.36	5.32	13.16	-	26.7
AM150L	50psi	23.1	0.14	0.364	0.756	1.26	1.96	2.94	6.44	12.88	25.2	27.6
	87psi	28.6	0.084	0.252	0.392	0.84	1.68	2.66	5.6	22.4	-	26.7



DIMENSIONS (mm)

Standard Model

Model	H
AM25L	45
AM50L	
AM75L	65
AM100L	
AM150L	85



DIMENSIONS (mm)

ESK Model

