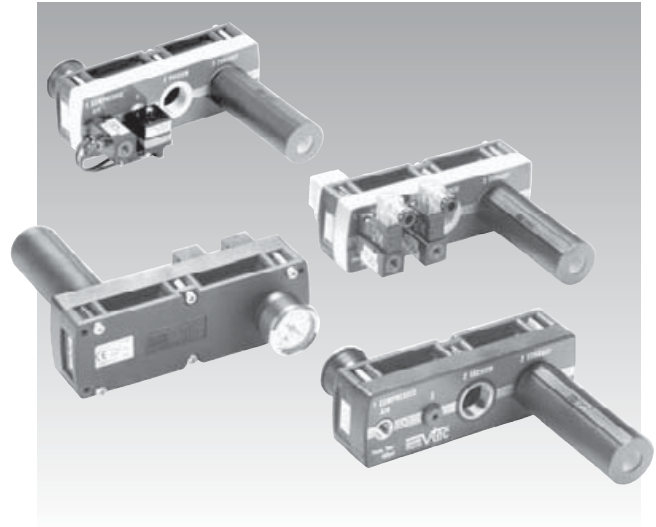


M – Classic Pump

- Max.vacuum level** : -92kpa (-690mmHg)
- Max.Flow rate** : 1580NI/m (94.8m³/hr)
- Supply air pressure** : 4-6bar Max.7bar
- Supply air type** : Dry compressed air
- Working temperature** : -20°C to +80°C
- Noise level** : 50 - 65dBA

Main advantages

This Classic VTM pump is probably the most commonly used multi Stage ejector it is available in a large range of sizes and configurations. Each pump comes complete with an exhaust silencer, gauge and fixing brackets. The body whilst robust is also lightweight. The housings are manufactured from PPS high grade plastic, which means most hazardous vapors, can be accommodated. Pump sizes range from a VTM25 to the high flow VTM200. All units are available with the option of an air saving kit and non-return valves. Viton® and EPDM seals can also be stipulated as options.



Order No.

VTM25 - 1434 - A - AS - A3 R3 -D3- S2 N V

- ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Model – Capacity equivalent to electricity motor pump size

- **VTM25** – 0.25KW
- VTM50 – 0.50KW
- VTM75 – 0.75KW
- VTM100 – 1.00KW
- VTM125 – 1.25KW
- VTM150 – 1.50KW
- VTM175 – 1.75KW
- VTM200 – 2.00KW

② Connection port

	Air Supply	Vacuum
1412	G1/4"	G1/2"
• 1434	G1/4"	G3/4"
1401	G1/4"	G 1"
N 1412	NPT1/4"	NPT1/2"
N 1434	NPT1/4"	NPT3/4"
N 1401	NPT1/4"	NPT 1"

※ Remark : Air supply port with air control valve or AS-kit
VTM25~VTM125 : G1/8"
VTM150~VTM200 : G3/8"

③ Connection plate

- No mark – Standard
- **A** – AL

④ Air saving kit

No mark – Standard

- **AS** – Air saving kit attach

※Remark : When ever apply to AS-kit Air control Valve & Vacuum Switch is not applicable

⑤ Air supply control valve

A1 – AC110V

A2 – AC220V

- **A3** – DC24V

⑥ Vacuum release control valve

R1 – AC110V

R2 – AC220V

- **R3** – DC24V

⑦ Control valve & Solenoid terminal

– Piston valve

- 1 – DIN type without lead wire

– Piston valve

- 2 – DIN type with lamp without lead wire

– Piston valve

- 3* – Connector type with 0.3m lead wire& lamp

– Diaphragm valve

- D1 – DIN type without lead wire

– Diaphragm valve

- D2 – DIN type with lamp without lead wire

– Diaphragm valve

- **D3*** – Connector type with 0.3m lead wire& lamp

* : Only for DC24V

⑧ Vacuum Switch

- **S2(P)** – Digital display output 2points, No analog supply

S3(P) – Digital display output 2points, analog supply

※ Remark : S...(P)

↳ Output type : PNP open collector

⑨ Non-return valve

No mark – Standard

- **N** – Non-return valve

⑩ Sealing

No mark – Standard (NBR)

- **V** – Viton®

E – EPDM

Characteristics

Model	max. vacuum -kPa(-mmHg)	Max. vacuum flow (NI/m)	air consumption (NI/m)	noise level (dBA)	weight (g)	min hose inner Ø (within 2m)		
						air supply	vacuum	exhaust
VTM25	92 (690)	389	78-108	50 - 65	620	>4	>12	>12
VTM50		647	150-210	50 - 65	622	>6	>15	>15
VTM75		890	228-318	55 - 65	794	>8	>19	>22
VTM100		1100	300-420	55 - 65	795	>8	>19	>22
VTM125		1200	378-528	60 - 65	936	>10	>25	>32
VTM150		1380	450-630	60 - 65	947	>10	>25	>32
VTM175		1490	528-738	60 - 65	1148	>10	>32	>40
VTM200		1580	600-840	60 - 65	1150	>12	>32	>40

Induce air in liters per minute (NI/m)

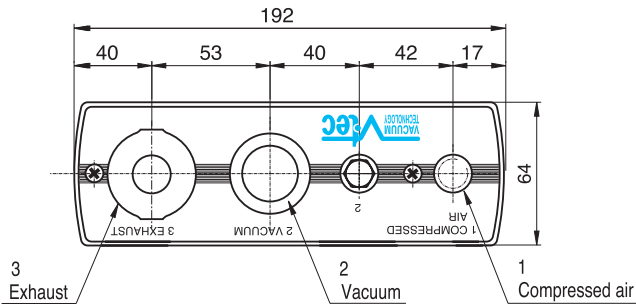
Model \ -mmHg -kPa	0	75	150	225	300	375	450	525	600	675
	0	10	20	30	40	50	60	70	80	90
VTM25	389	220	147	74	37	27	18	10	5	0,8
VTM50	647	400	279	146	73	54	36	20	10	1,6
VTM75	890	600	366	220	110	82	54	30	15	2,4
VTM100	1100	750	453	291	146	109	72	40	20	3,2
VTM125	1200	900	530	356	182	135	90	50	25	4
VTM150	1380	1020	597	416	218	162	108	60	30	4,8
VTM175	1490	1120	654	471	254	189	126	70	35	5,6
VTM200	1580	1200	701	521	290	216	144	80	40	6,4

Time in seconds to evacuate to vacuum level (sec/l)

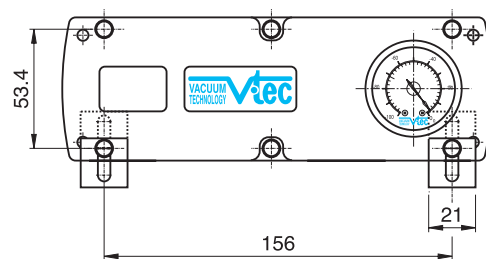
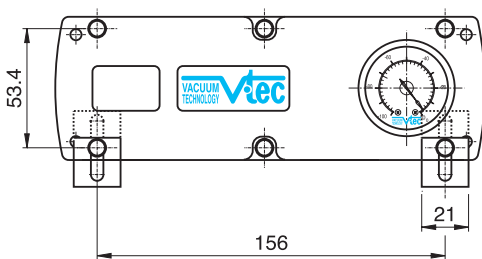
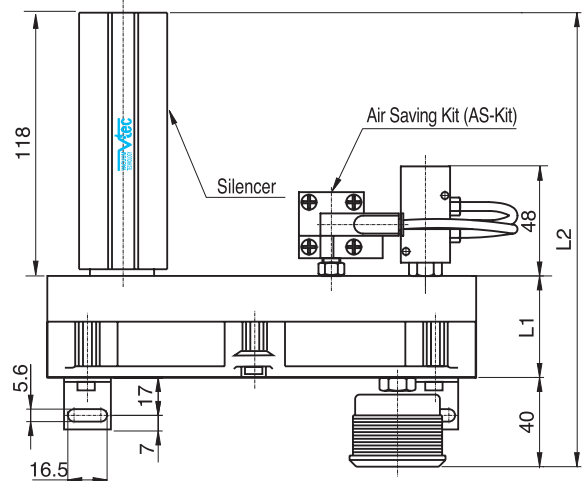
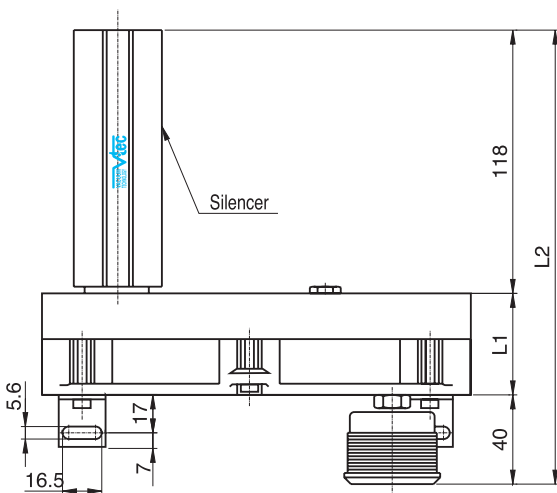
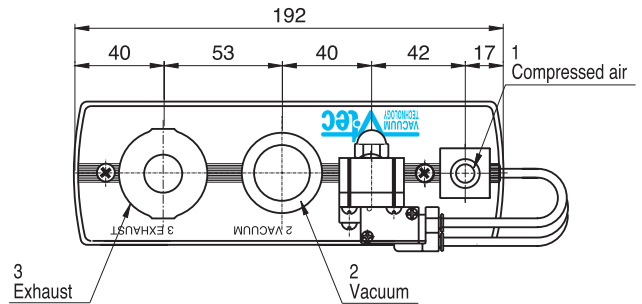
Model \ -mmHg -kPa	75	150	225	300	375	450	525	600	675
	10	20	30	40	50	60	70	80	90
VTM25	0,019	0,048	0,11	0,239	0,416	0,686	1,122	1,91	4,21
VTM50	0,012	0,03	0,066	0,125	0,209	0,345	0,593	1,05	2,19
VTM75	0,009	0,023	0,05	0,094	0,157	0,259	0,445	0,788	1,644
VTM100	0,006	0,015	0,033	0,063	0,105	0,173	0,297	0,526	1,097
VTM125	0,0055	0,0143	0,0311	0,055	0,092	0,151	0,260	0,46	1,96
VTM150	0,0052	0,0135	0,0296	0,047	0,078	0,129	0,223	0,394	0,823
VTM175	0,005	0,0127	0,0279	0,039	0,065	0,108	0,186	0,329	0,686
VTM200	0,0048	0,0113	0,0258	0,027	0,054	0,09	0,153	0,274	0,67

Dimensional Information

Standard



with AS - KIT



(mm)

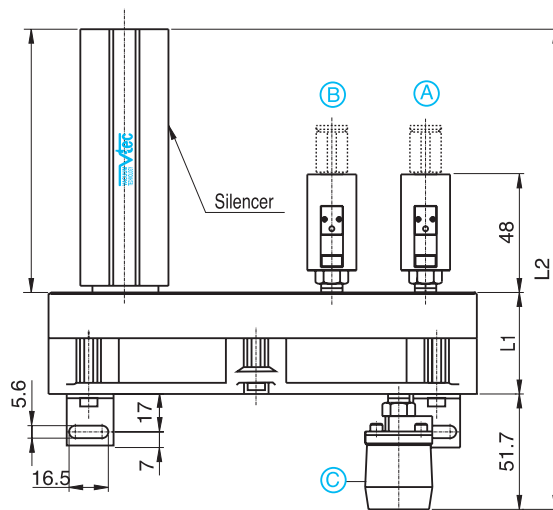
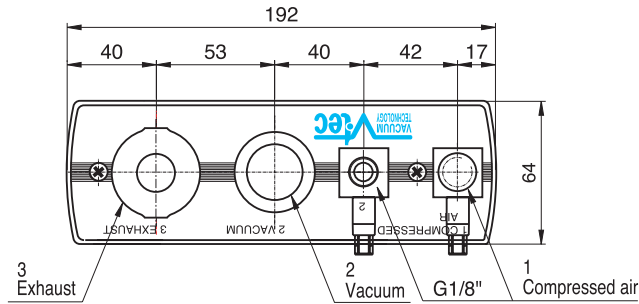
Model	L1	L2
VTL25	45.5	203.5
VTL50	45.5	203.5
VTL75	65	223
VTL100	65	223
VTL125	84.5	242.5
VTL150	84.5	242.5
VTL175	104	262
VTL200	104	262

Port 1 : G1/4", NPT1/4"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"

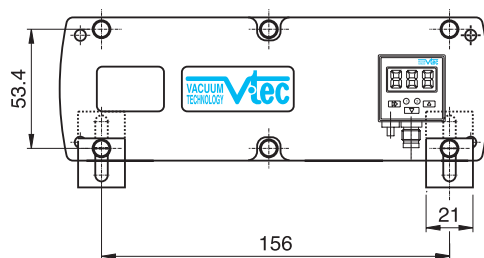
Port 1 : VTM25~VTM125 : G1/8"
 VTM150~VTM200 : G3/8"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"

Dimensional Information

- Air supply control valve
- Vacuum release control valve
- Digital display vacuum switch



- (A) Air supply control valve
- (B) Vacuum release control valve
- (C) Digital display vacuum switch



Port 1 : VTM25~VTM125 : G1/8"
 VTM150~VTM200 : G3/8"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"

Model	(mm)	
	L1	L2
VTM25	45.5	203.5
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VTM75	65	223
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