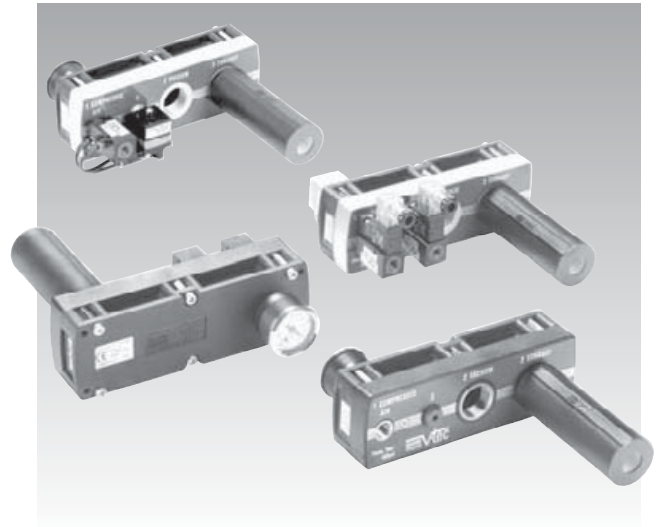


VL - Classic pump

- Max.vacuum level** : -80kpa (-600mmHg)
- Max.Flow rate** : 2061NI/m (123.66m³/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

VL-Classic pumps produces the high flow rate gradually while vacuum level is increasing so it is useful for leakage system. Vtec Air Saving kit is available in this pump in order to maximum reduce the energy usage. VITON® & EPDM seals can be also stipulated as option.



Order No.

VTL25 - 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

- **VTL25** - 0.25KW
- VTL50 - 0.50KW
- VTL75 - 0.75KW
- VTL100 - 1.00KW
- VTL125 - 1.25KW
- VTL150 - 1.50KW
- VTL175 - 1.75KW
- VTL200 - 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
VTL25~VTL125 : G1/8"
VTL150~VTL200 : 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
VTL25	80 (600.0)	379	78-105	50 - 65	643	>4	>12	>12
VTL50		650	156-210	50 - 65	644	>6	>15	>15
VTL75		820	234-315	50 - 65	760	>8	>19	>22
VTL100		990	312-420	50 - 65	761	>8	>19	>22
VTL125		1090	390-525	60 - 65	877	>10	>25	>32
VTL150		1303	468-630	60 - 65	878	>10	>25	>32
VTL175		1682	546-735	60 - 65	994	>10	>32	>40
VTL200		2061	624-840	60 - 65	995	>10	>32	>40

Induce air in liters per minute (NI/m)

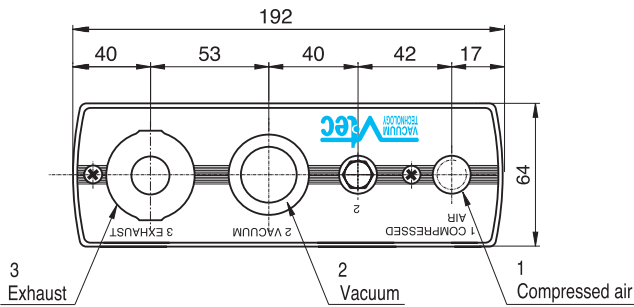
Model	-mmHg -kPa	0	75	150	225	300	375	450	525
		0	10	20	30	40	50	60	70
VTL25		379	200	139	94	51	40	28	18
VTL50		650	374	266	176	102	77	56	36
VTL75		820	490	370	245	138	116	92	49
VTL100		990	607	473	323	197	152	109	69
VTL125		1090	750	547	390	241	192	138	87
VTL150		1303	907	614	456	282	228	162	102
VTL175		1682	1060	678	515	314	267	189	118
VTL200		2061	1217	729	574	363	294	218	134

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

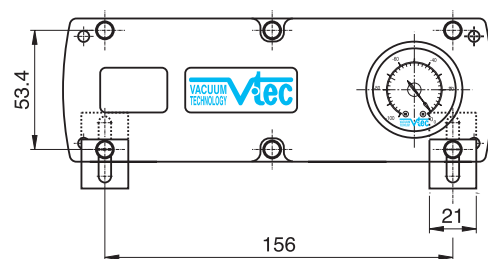
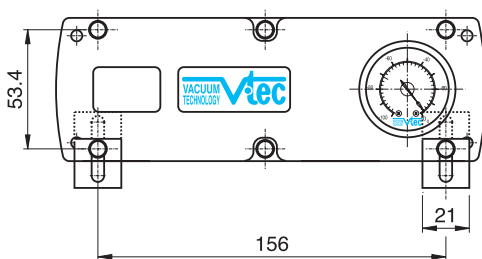
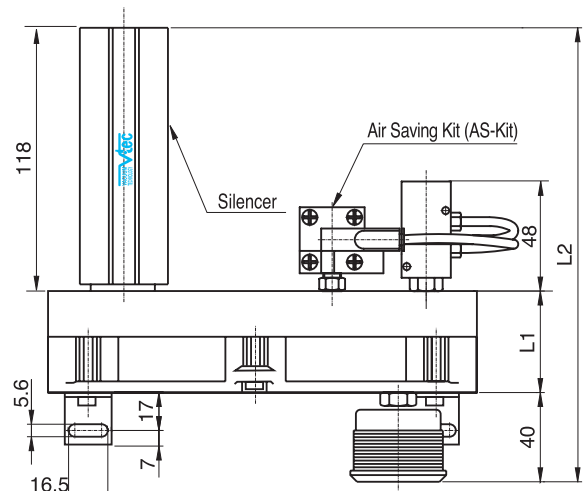
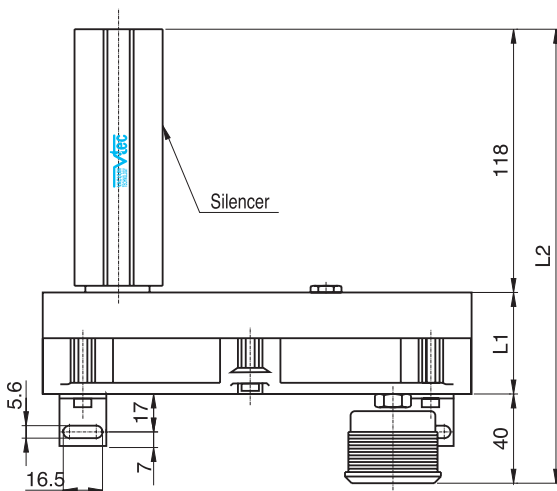
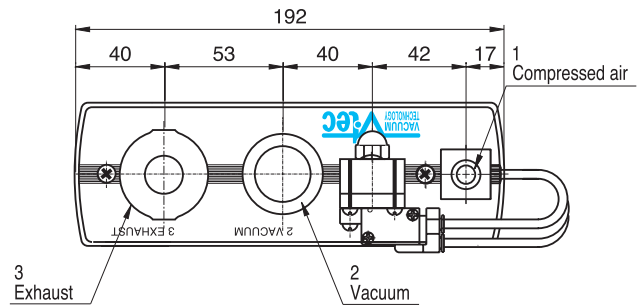
Model	-mmHg -kPa	75	150	225	300	375	450	525
		10	20	30	40	50	60	70
VTL25		0,017	0,045	0,09	0,18	0,34	0,53	0,85
VTL50		0,012	0,027	0,05	0,1	0,18	0,27	0,43
VTL75		0,008	0,021	0,04	0,08	0,13	0,2	0,32
VTL100		0,0069	0,015	0,03	0,05	0,09	0,14	0,22
VTL125		0,0058	0,014	0,026	0,044	0,076	0,118	0,19
VTL150		0,0049	0,013	0,022	0,037	0,062	0,095	0,15
VTL175		0,0047	0,012	0,021	0,035	0,057	0,087	0,14
VTL200		0,0043	0,011	0,019	0,033	0,051	0,078	0,12

Dimensional Information

Standard



with AS - KIT



(mm)

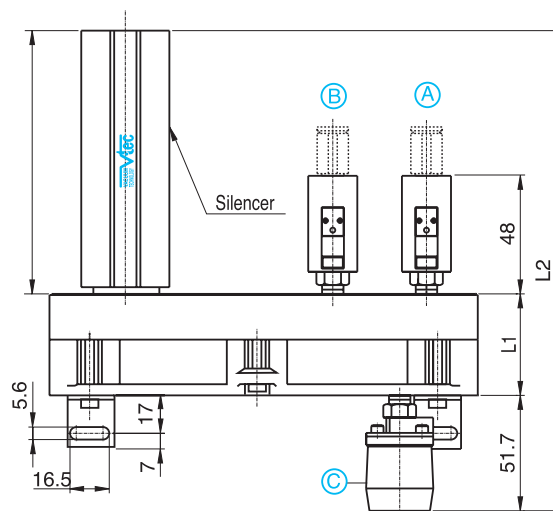
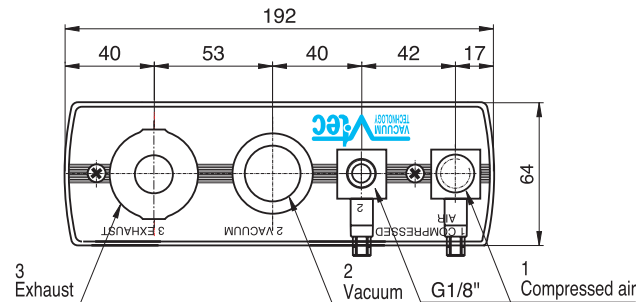
Port 1 : G1/4", NPT1/4"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"

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

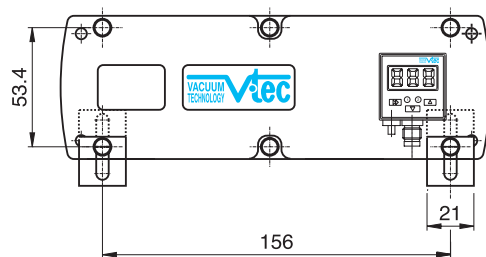
Port 1 : VTL25~VTL125 : G1/8"
 VTL150~VTL200 : G3/8"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"

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



(mm)

Model	L1	L2
VTL25	45.5	203.5
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VTL75	65	223
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VTL175	104	262
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Port 1 : VTL25~VTL125 : G1/8"
 VTL150~VTL200 : G3/8"
 Port 2 : G1/2", G3/4", G1"
 NPT1/2", NPT3/4", NPT 1"
 Port 3 : G3/4"