

X-Classic Pump

- Max. vacuum level : **-97 kPa** (-28.64 inHg)
- Max. flow rate : **521 NI/min** (18.4 scfm)
- Supply air pressure : **4~6bar, max 7bar**
(58~87 psi, max 101.5psi)
- Supply air type : Dry compressed air
- Working temperature : -20°C ~ 80°C
- Noise level : 55 ~ 65 dBA



Main Advantages

This Classic VTX type is a pump that bridges the gap between the High Flow VTM range and the High Vacuum VTH Range, giving a balance of the two. The X-Classic has the same external dimensions to that of the M-Classic, however the internal ejector system is different to enable higher levels of vacuum to be achieved. 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 VTX25 to the VTX75. 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.

VTX25 - 1434 A - AS - A3 R3 - CL - SG2 N V

- ① Model – Capacity equivalent to electricity motor pump size
- VTX25** – 0.25KW
 - VTX50 – 0.50KW
 - VTX75 – 0.75KW
- ② Connection plate
- | | Air port | Vacuum port | |
|-----------------|----------|-------------|----------|
| 1412 A | G1/4" | G1/2" | Aluminum |
| ● 1434 A | G1/4" | G3/4" | |
| 1401 A | G1/4" | G1" | |
| N1412 A | NPT1/4" | NPT1/2" | |
| N1434 A | NPT1/4" | NPT3/4" | All PPS |
| N1401 A | NPT1/4" | NPT 1" | |
| 1812 P | G1/8" | G1/2" | |
| 1834 P | G1/8" | G3/4" | |
| N1812 P | NPT1/8" | NPT1/2" | |
| N1834 P | NPT1/8" | NPT3/4" | |
- ※ Remark :
• Air supply port with air control valve or AS-kit
※ G 1/4"
- ③ Air saving Kit (108)
- No mark – Standard
 - **AS** – Air saving kit attached
- ④ Air supply control valve
- A1 – AC 110V
 - A2 – AC 220V
 - **A3** – DC 24V
 - D1* – AC 110V
 - D2* – AC 220V
 - D3* – DC 24V
- D.* : Double solenoid valve
Double solenoid valve is available only with 'DN' or 'DL', section ⑥
- ⑤ Vacuum release control valve
- R1 – AC110V
 - R2 – AC220V
 - **R3** – DC24V
- ⑥ Solenoid Terminal
- DN – DIN type without lead wire
 - DL – DIN type with lamp without lead wire
 - **CL*** – Connector type with lamp & 0.3m lead wire
 - 2B* – DIN type with '2 in 1' BUS cable
(Air control v/v + Vacuum release v/v)
 - 3B* – DIN type with '3 in 1' BUS cable
(Air control v/v + Vacuum release v/v + Digital switch)
- * Can not available with double solenoid valve
※ Remark
CL : Available only with DC24V
3B : Available only with DC24V
Available only with 'S2' or 'S2P', section ⑦
※ About 'BUS cable' (340, 341)
- ⑦ Vacuum switch
- S2(P) – Digital output 2points, No analog supply
M8-4Pin male connector (0.3m lead wire)
 - **SG2(P)** – Digital output 2points, No analog supply
Grommet type 4-core 2m lead wire
 - SG3(P) – Digital output 2points, Analog supply
Grommet type 4-core 2m lead wire
- ※ Remark : ① S..(P)
→ Output type : PNP open collector.
② VCM8 42 : M8-4Pin female connector.
only for type S2(P)
- ⑧ Non-return valve
- No mark – Standard
 - **N** – Non-return valve
- ⑨ Sealing
- No mark – Standard (NBR)
 - **V** – Viton®
 - E** – EPDM

Characteristics

Model	max. vacuum -kPa(-inHg)	Max. vacuum flow (NI/m)	air consumption (NI/m)	noise level (dBA)	weight (g)	min hose inner Ø (within 2m)		
						air supply	vacuum	exhaust
VTX25	97 (28.64)	185	150~210	55 – 60	633	>4	>12	>12
VTX50		365	228~318	60 – 65	633	>6	>15	>15
VTX75		521	300~420	60 – 65	796	>8	>19	>22

Vacuum flow in (NI/m) at different Vacuum level (-kPa)

Model \ -inHg -kPa	0	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57	28.05
	0	10	20	30	40	50	60	70	80	90	95
VTX25	185	148	105	66	35	27	21	15	12	4.2	1.5
VTX50	365	292	207	132	69	54	42	30	23	8.4	3
VTX75	521	424	309	198	102	81	63	45	35	12.6	4.5

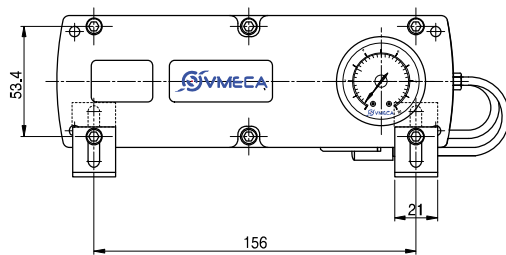
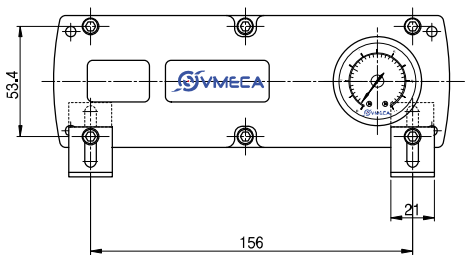
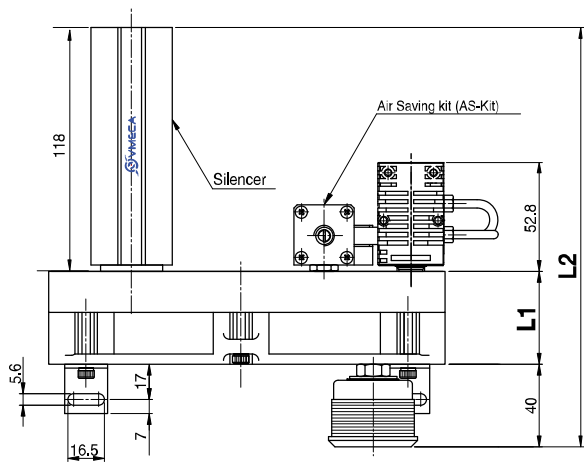
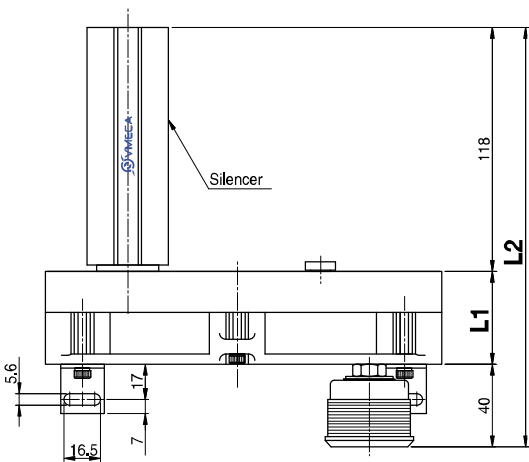
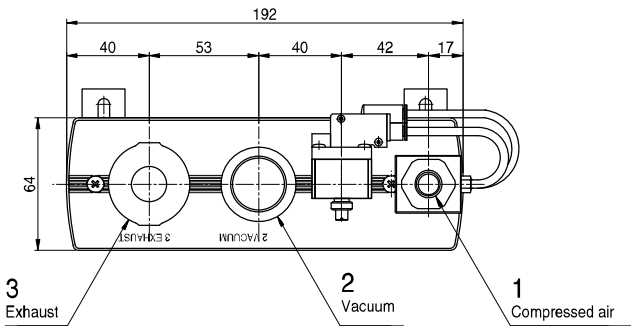
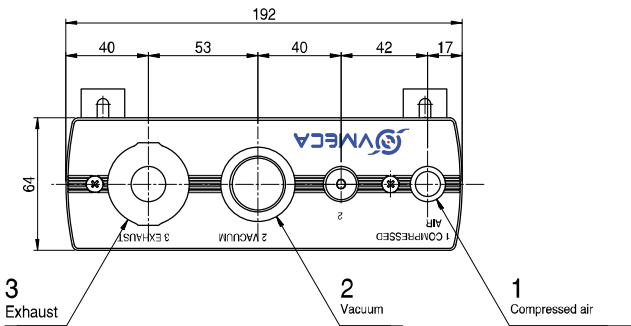
Time in seconds to evacuate to vacuum level (sec/l)

Model \ -inHg -kPa	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57	28.05
	10	20	30	40	50	60	70	80	90	95
VTX25	0,028	0,068	0,134	0,26	0,49	0,736	1,126	1,598	2,7	3,76
VTX50	0,014	0,035	0,067	0,13	0,25	0,368	0,563	0,799	1,35	1,88
VTX75	0,011	0,023	0,046	0,095	0,167	0,246	0,376	0,533	0,9	1,264

Dimensional Information

Standard

with AS - KIT



[Measure unit : mm]

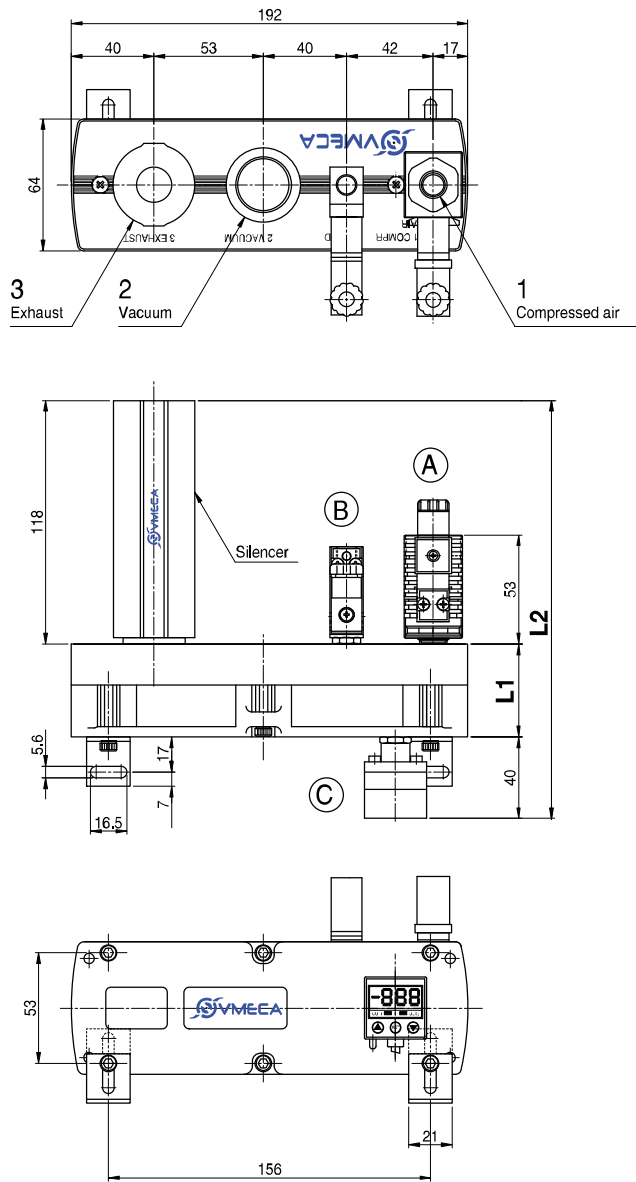
Port 1 : G1/4, NPSF1/4"
Port 2 : G1/2", G3/4", G1"
NPT1/2", NPT3/4", NPT 1"
Port 3 : G3/4"

Model	(mm)	
	L1	L2
VTX25	45.5	203.5
VTX50	45.5	203.5
VTX75	65	223

Port 1 : G1/4", NPSF 1/4"
Port 2 : G1/2", G3/4", G 1"
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

[Measure unit : mm]

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

(mm)		
Model	L1	L2
VTX25	45.5	206.5
VTX50	45.5	206.5
VTX75	65	226