

MX - Midiflex Pump

Max. vacuum level	: -97 kPa (-28.64 inHg)
Max. flow rate	: 1355 NI/min (47.85 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	: 63 ~ 68 dBA



Main Advantages

This MX-Midiflex pump is a compact manifold based multi stage ejector multi pump arrangement. The MX-Midiflex has the same external dimensions to that of the VTMM, however the internal ejector system is different to enable higher levels of vacuum to be achieved. A good balance between higher flow rates and higher vacuum levels with fast evacuation times can be achieved with this type of pump. The pump features a vacuum gauge along with two 3/4" ports for connecting more than one large bore vacuum pipe. As with most of the other pumps the MX-Midiflex can be specified with an air saving kit, and with Viton® or EPDM as seal options.

Order No.

VTMX100 - V34 - AS - A3 - SG2 - N V

① ② ③ ④ ⑤ ⑥ ⑦

① Model – Capacity equivalent to electricity motor pump size

- **VTMX100** – 1KW
- VTMX200 – 2KW
- VTMX300 – 3KW

② Vacuum port

- **V34** – 2XG3/4"
- V01 – G1"

③ Air saving kit (108)

- no mark – standard
- **AS** – Air saving kit attach

④ Air supply control valve

- no mark – Without control valve
- A1 – Electrically operated valve AC110V
- A2 – Electrically operated valve AC220V
- **A3** – Electrically operated valve DC24V
- A4 – Pneumatically operated valve

⑤ 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)

⑥ Non return valve

- no mark – standard
- **N** – non return valve

⑦ 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
VTMX100	97 (28.64)	695	504~600	63 ~ 68	2390	>8	>19	>22
VTMX200		1037	756~900	63 ~ 68	2549	>10	>25	>32
VTMX300		1355	1008~1200	63 ~ 68	3438	>10	>32	>40

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

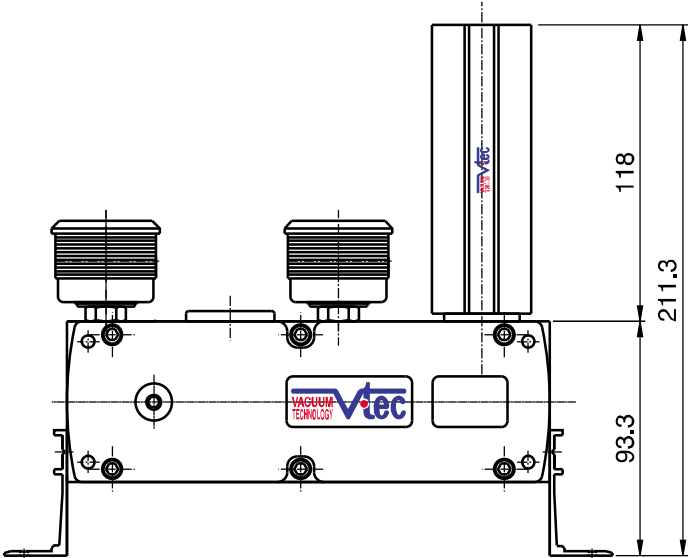
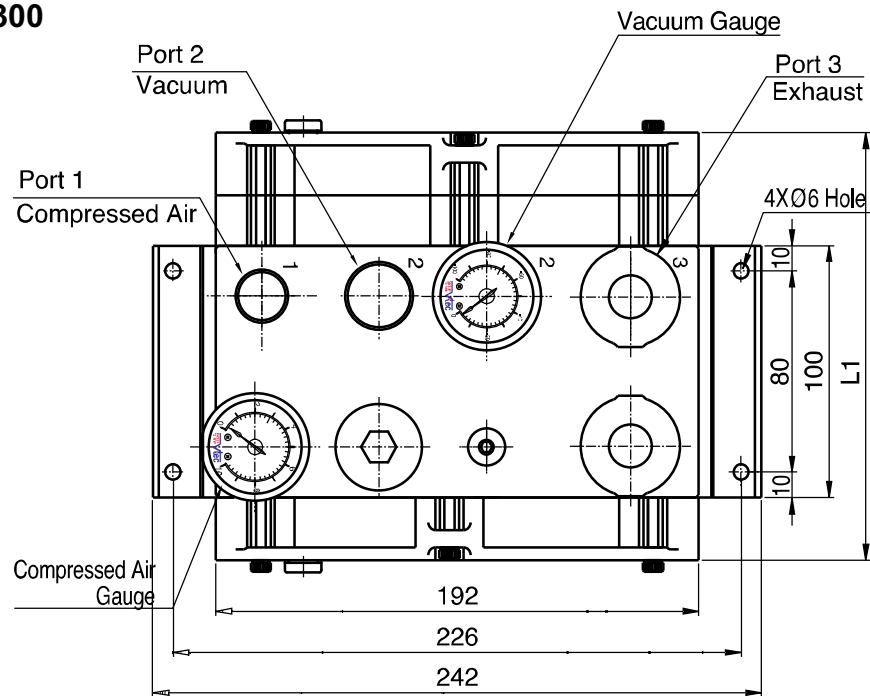
Model \ -inHg -kPa	0	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57	28.05
	0	10	20	30	40	50	60	70	80	90	95
VTMX100	695	568	411	260	139	108	84	60	45	17	6
VTMX200	1037	844	615	398	211	162	126	90	69	26	9
VTMX300	1355	1096	813	530	289	216	168	120	92	33	12

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
VTMX100	0.0093	0.017	0.036	0.064	0.123	0.184	0.272	0.397	0.674	0.948
VTMX200	0.0064	0.012	0.024	0.047	0.082	0.123	0.186	0.256	0.448	0.631
VTMX300	0.0049	0.009	0.018	0.031	0.061	0.092	0.141	0.197	0.336	0.473

Dimensional Information

100
VTMX (200)
300



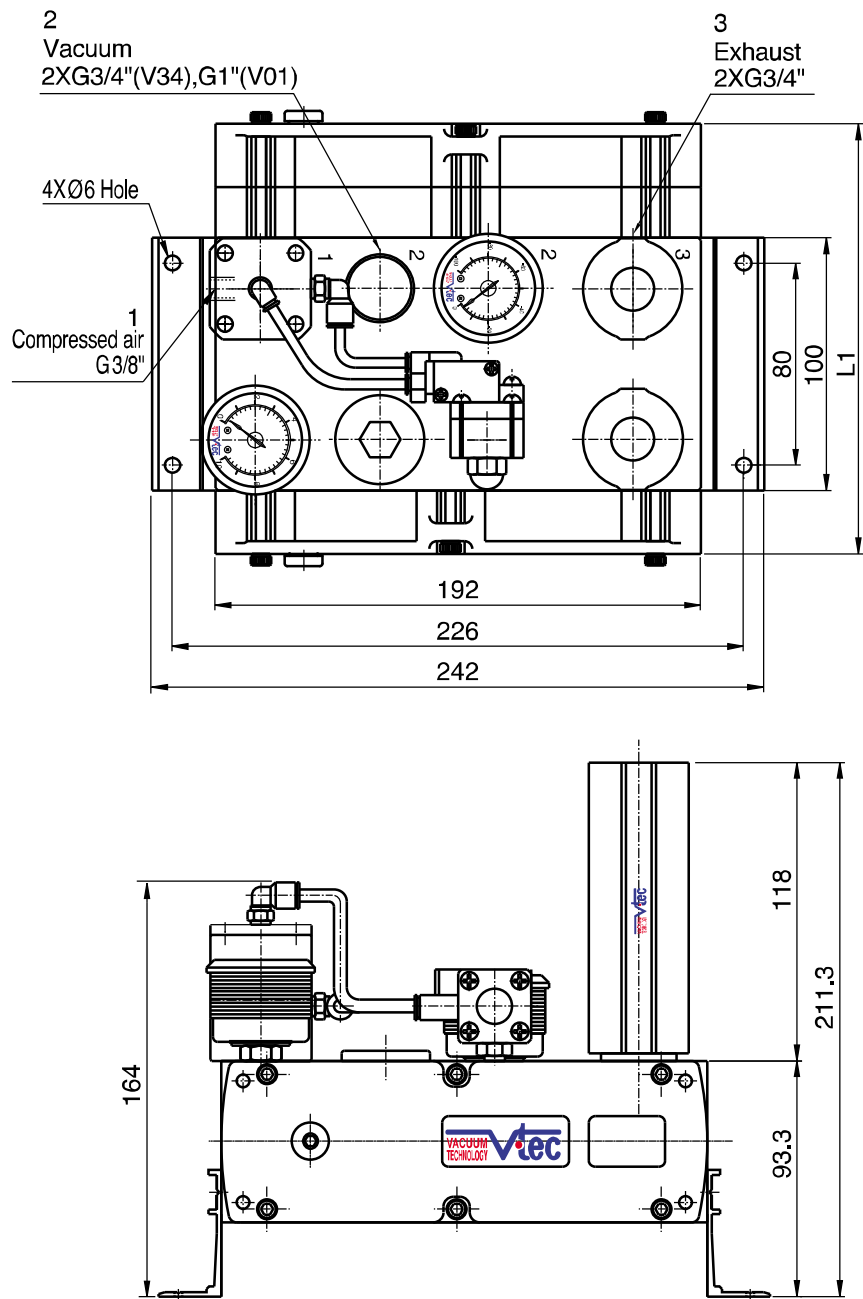
[Measure unit : mm]

Port1 : G1/2"
Port2 : 2xG3/4" (V34), G 1" (V01)
Port3 : 2xG3/4"

Model	L1 (mm)
VTMX100	150
VTMX200	169.5
VTMX300	208.5

Dimensional Information

with AS - KIT



[Measure unit : mm]

- Port1 : G1/2", G3/8"
- Port2 : 2xG3/4" (V34), G 1" (V01)
- Port3 : 2xG3/4"

Model	L1 (mm)
VTMX100	150
VTMX200	169.5
VTMX300	208.5