

MM - Midiflex Pump

- Max. vacuum level : **-27.17 inHg** (-92 kPa)
- Max. flow rate : **77.69 scfm** (2200 NI/min)
- Supply air pressure : **58~87 psi, max 101.5psi**
(4~6bar, max 7bar)
- Supply air type : Dry compressed air
- Working temperature : -4 °F ~ 176 °F
- Noise level : 55~65 dBA



Main Advantages

This MM-Midiflex pump is a compact manifold based multi stage ejector multi pump arrangement. Much higher flow rates and fast evacuation times can be achieved with this type of pump.

The pump features a pressure gauge and a vacuum gauge along with two 3/4 NPSF ports for connecting more than one large bore vacuum pipe. As with most of the other pumps the MM-Midiflex can be specified with an air saving kit, and with Viton® or EPDM as seal options. This manifold has a special design allowing you to choose between two vacuum ports suited for your application. The pumps to achieve a combination of high flow rates and the highest vacuum levels.

Order No.

VTMM100 - N34 - AS A3 - SG2 - N V



① **Model** – Capacity equivalent to electricity motor pump size

- **VTMM100** – 1KW
- VTMM150 – 1.5KW
- VTMM200 – 2KW
- VTMM200F – 2KW

② **Vacuum port**

- **N34** – 2X3/4" NPSF (VTMM100, 150, 200)
- N01 – 1" NPSF (VTMM100, 150, 200)
- N02 – 1 1/2" NPT (VTMM200F)

③ **Air saving kit**

- No mark – Standard
- **AS** – Air saving kit attach

④ **Air supply control valve**

- no mark – Without control valve
- A1 – AC110V Electrically operated valve
- A2 – AC220V Electrically operated valve
- **A3** – DC24V Electrically operated valve
- 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 (-inHg)	Max. vacuum flow (scfm)	air consumption (scfm)	noise level (dBA)	weight (oz.)	min hose inner Ø (within 6.5ft.)		
						air supply	vacuum	exhaust
VTMM100	27.17	45,56	10,6-14,84	55~60	84,27	>8	>19	>22
VTMM150		61,46	15,9-22,25	55~65	90,23	>10	>25	>32
VTMM200		75,94	21,2-27,55	55~65	105,15	>10	>32	>40
VTMM200F		77,7	21,2-27,55	55~65	114,99	>10	>32	>40

Vacuum flow in (scfm) at different Vacuum level (-inHg)

Model \ -inHg	0	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57
VTMM100	45,56	29,81	19,85	10,28	5,16	3,85	2,55	1,42	0,71	0,12
VTMM150	61,46	42,6	24,73	14,84	7,63	5,73	6,36	2,12	0,96	0,16
VTMM200	75,94	54,04	35,67	18,37	10,25	7,63	5,09	2,83	1,42	0,23
VTMM200F	77,7	54,39	35,89	18,65	10,25	7,63	5,09	2,83	1,42	0,23

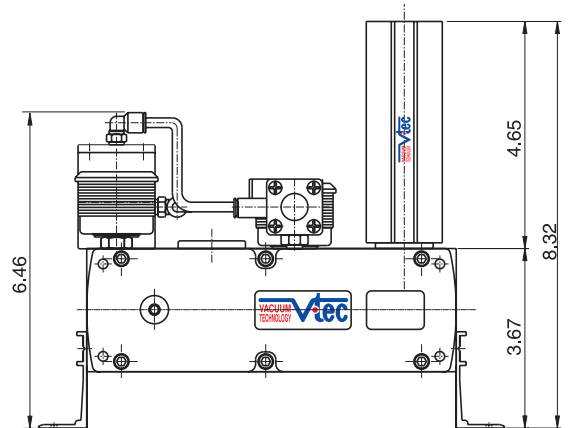
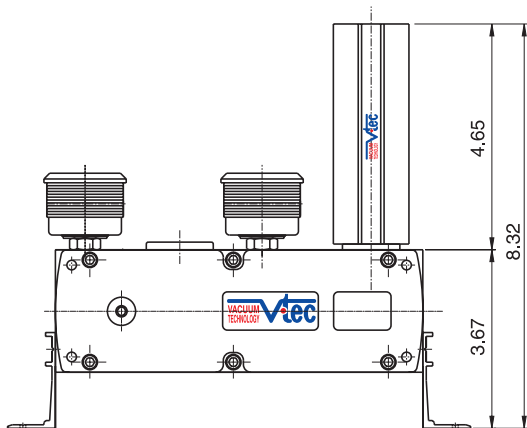
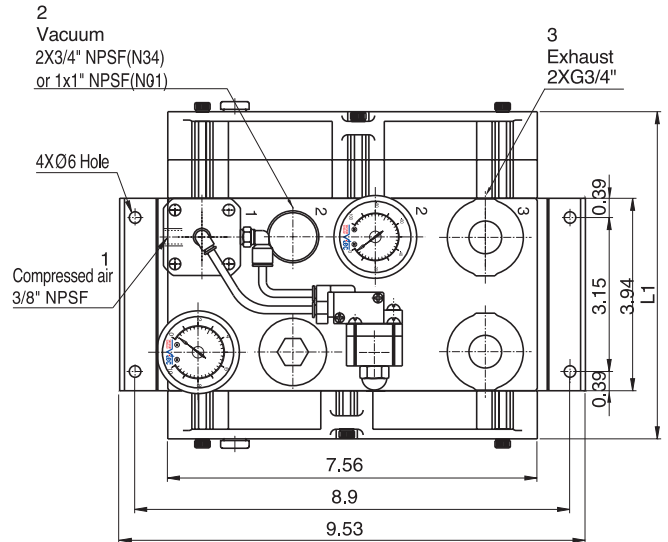
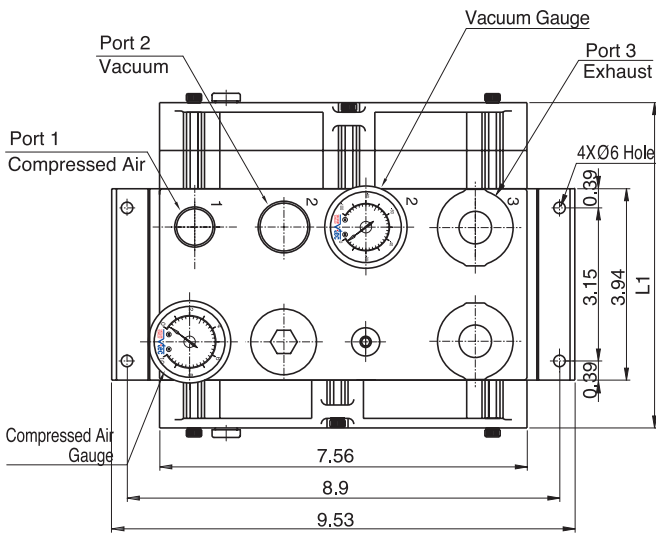
Time in seconds to evacuate to vacuum level (sec/l)

Model \ -inHg	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57
VTMM100	0,0053	0,0144	0,031	0,063	0,105	0,173	0,297	0,526	1,097
VTMM150	0,0046	0,011	0,025	0,047	0,078	0,129	0,223	0,394	0,823
VTMM200	0,0032	0,0076	0,0165	0,029	0,054	0,09	0,153	0,274	0,67
VTMM200F	0,0031	0,0075	0,0164	0,029	0,054	0,09	0,153	0,274	0,67

Dimensional Information

100
VTMM (150)
200

with AS - KIT



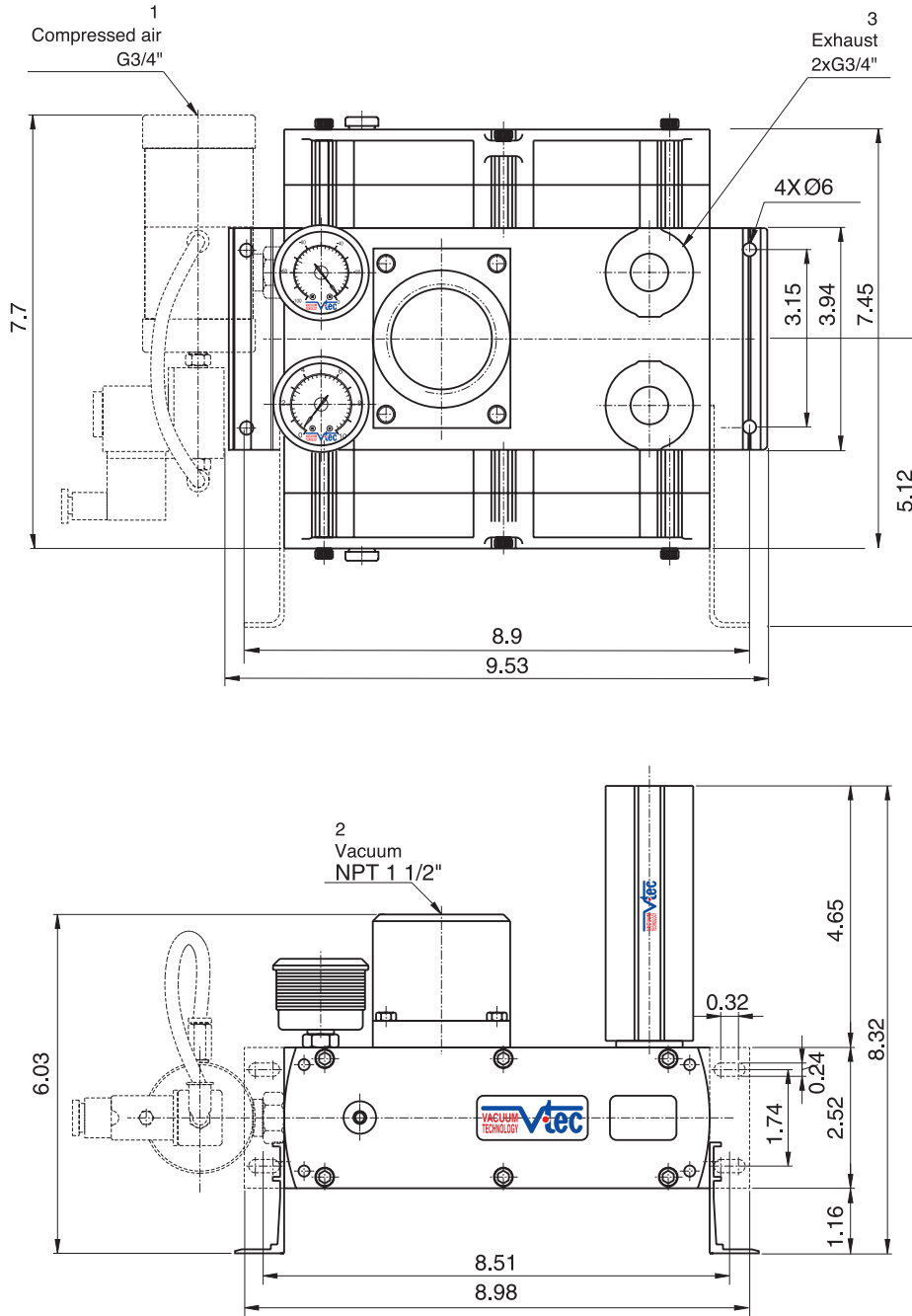
Port1 : 1/2" NPSF
Port2 : 2x3/4" NPSF(N34), 1x1" NPSF (N01)
Port3 : 2xG3/4"

[Measure unit : inch]

(inch)	
Model	L1
VTMM100	5.91
VTMM150	6.67
VTMM200	7.44

Dimensional Information

VTMM 200F with air supply control valve



[Measure unit : inch]

VACUUM PUMPS