

## Mini Keyboard Pump

- Max. vacuum level** : VKX pump **-27.16 inHg** (-92 kPa)  
VKM pump **-25.1 inHg** (-85 kPa)
- Max. flow rate** : VKX pump **0.81 scfm** (23 NI/min)  
VKM pump **0.91 scfm** (26 NI/min)
- Supply air pressure** : **43.5~87 psi, max 101.5psi**  
(3~6bar, max 7bar)
- Supply air type** : Dry compressed air
- Working temperature** : -4 °F~ 176 °F
- Noise level** : 50~65 dBA



### Main Advantages

- High efficiency Mini vacuum pump (Multi-Nozzle type).
- Available of individual control.
- Long life time and Low noise level.
- Easy to install and Compact size (10mm).
- Lightweight.
- Built-in check valve.
- Integrated Vacuum Pump, Air supply & vacuum release control valve, Vacuum Switch & Filter, Blowing flow control valve and silencer in a body.

### Order No.

**VKM5 - MU6 A 4 N V**

①                      ②   ③   ④   ⑤   ⑥   ⑦

#### ① Model-Vacuum Flow

VKX5	-	0,81 scfm
<b>VKM5</b>	-	<b>0,918 scfm</b>

#### ② Body type

S	-	single unit
<b>MU</b>	-	<b>manifold unit</b>
EU	-	manifold unit with central exhaust unit

#### ③ Vacuum Stack

1-1 Stack	•	<b>6-6 Stack</b>
2-2 Stack		7-7 Stack
3-3 Stack		8-8 Stack
4-4 Stack		9-9 Stack
5-5 Stack		10-10 Stack

#### ④ Valves

	Air Supply Control Valve	Vacuum Release Control Valve	Vacuum Switch
• <b>A</b>	⊙ (N.C. : Normal Closed)	⊙ (N.C. : Normal Closed)	⊙
B	⊙ (N.O. : Normal open)	⊙ (N.C. : Normal Closed)	⊙
C	⊙ (N.C. : Normal Closed)	⊙ (N.C. : Normal Closed)	
D	⊙ (N.O. : Normal open)	⊙ (N.C. : Normal Closed)	
E	⊙ (N.C. : Normal Closed)		⊙
F	⊙ (N.O. : Normal open)		⊙
G	⊙ (N.C. : Normal Closed)		
H	⊙ (N.O. : Normal open)		
I		⊙ (N.C. : Normal Closed)	⊙
J			⊙
K		⊙ (N.C. : Normal Closed)	

#### ⑤ Vacuum port

• <b>4</b>	-	∅4 (O.D: standard)
6	-	∅6 (O.D)

#### ⑥ Non return valve

no mark	-	standard
• <b>N</b>	-	non return valve

#### ⑦ Sealing

no mark	-	standard (NBR)
• <b>V</b>	-	Viton®
E	-	EPDM

※ Remark : A...(P)

➡ Output type : PNP open collector

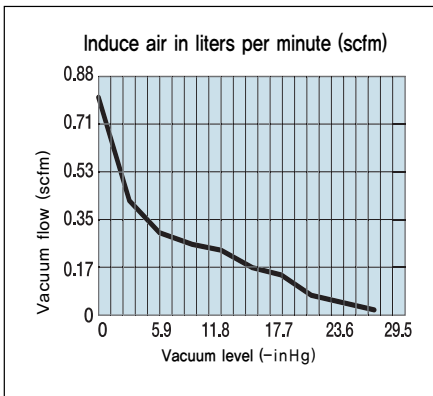
Only DC24V is available for valve  
Connector type with 0,3m lead wire & lamp

## Characteristics

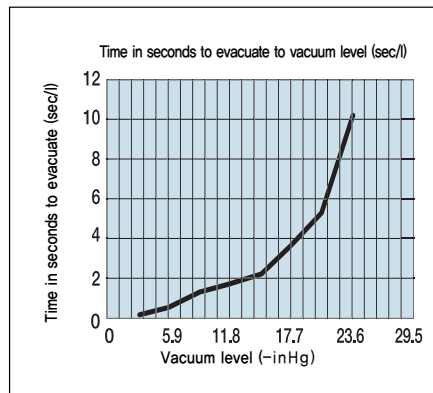
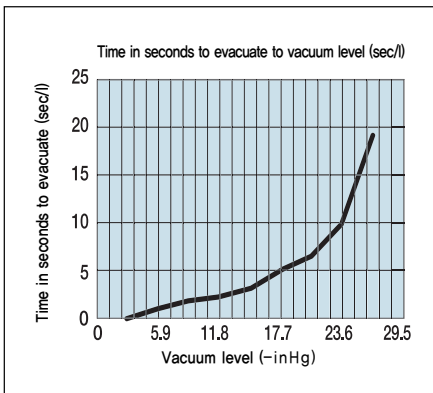
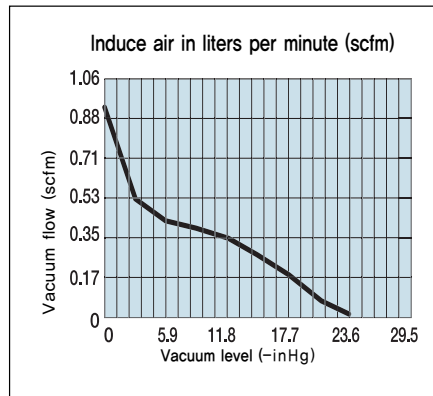
Model	max. vacuum (-inHg)	Max. vacuum flow (scfm)/each stack	air consumption (scfm)/each stack	noise level (dBA)	weight (oz.) /each stack
VKX5	27.17	0.81	0.46~0.78	50~65	3.386
VKM5	25.1	0.92	0.42~0.74	50~65	3.386

※ Remark : Manifold unit type weight = 3.03oz. X N + 0.77oz. (N : stack)

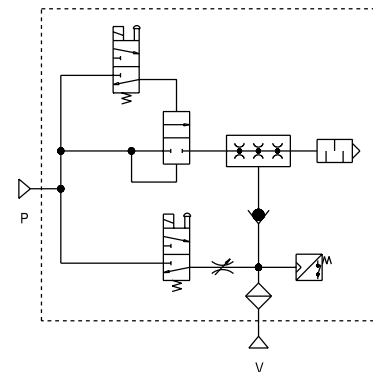
### VKX5



### VKM5

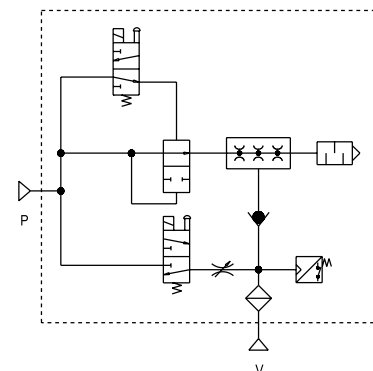


N.C. TYPE



P : Compressed air supply port  
v : Vacuum port

N.O. TYPE



P : Compressed air supply port  
v : Vacuum port

## Induce air in liters per minute (scfm)

Model	-inHg	0	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57
	VKX5		0.81	0.42	0.28	0.25	0.21	0.18	0.14	0.1	0.04
VKM5		0.92	0.53	0.42	0.39	0.35	0.28	0.19	0.10	0.02	

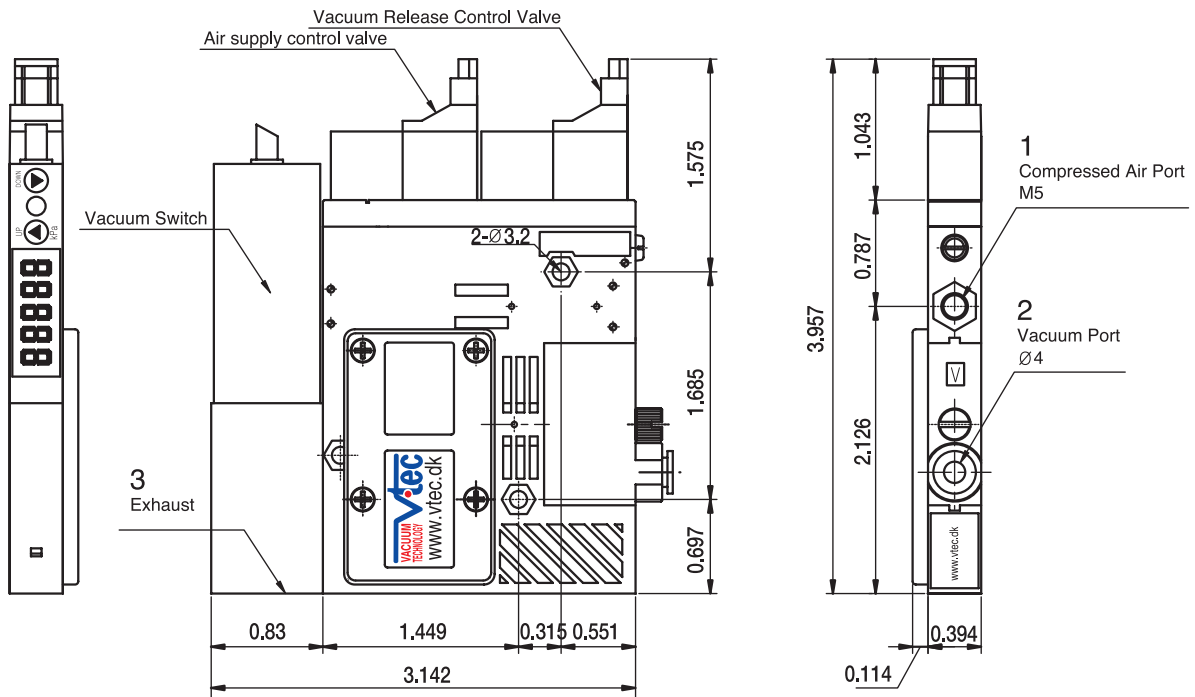
## Time in seconds to evacuate to vacuum level (sec/l)

Model	-inHg	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57
	VKX5		0.26	0.80	1.52	2.4	3.38	4.91	6.89	10.16
VKM5		0.22	0.56	1.18	1.58	2.36	3.44	5.27	10.22	

**Dimensional Information**

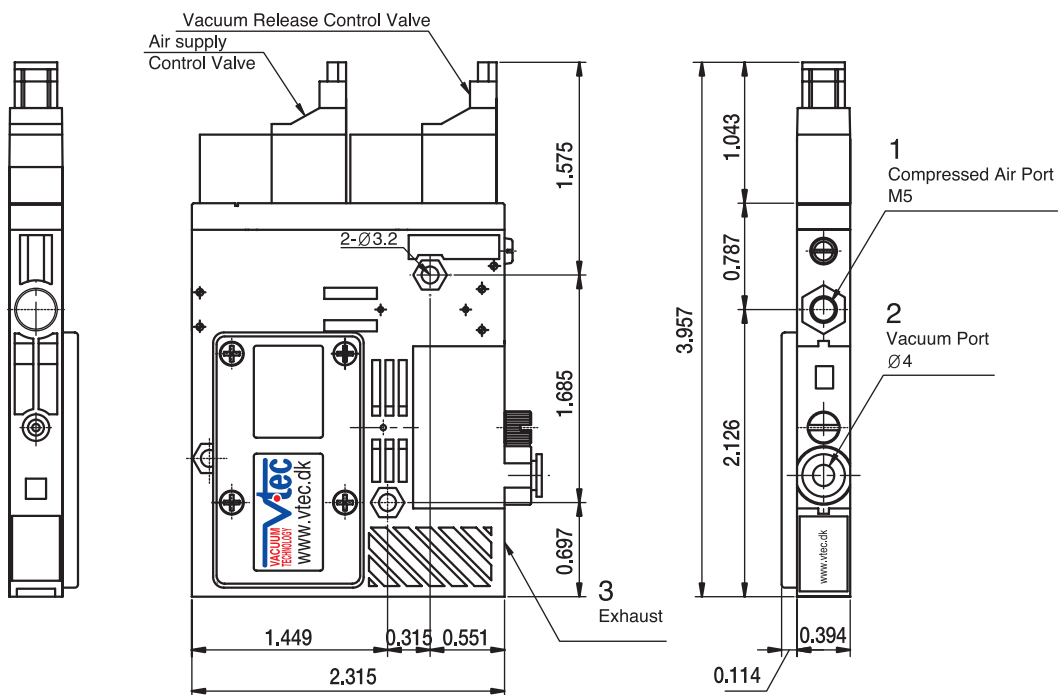
Single unit

Single Unit (A,B - Type)



[ Measure unit : inch ]

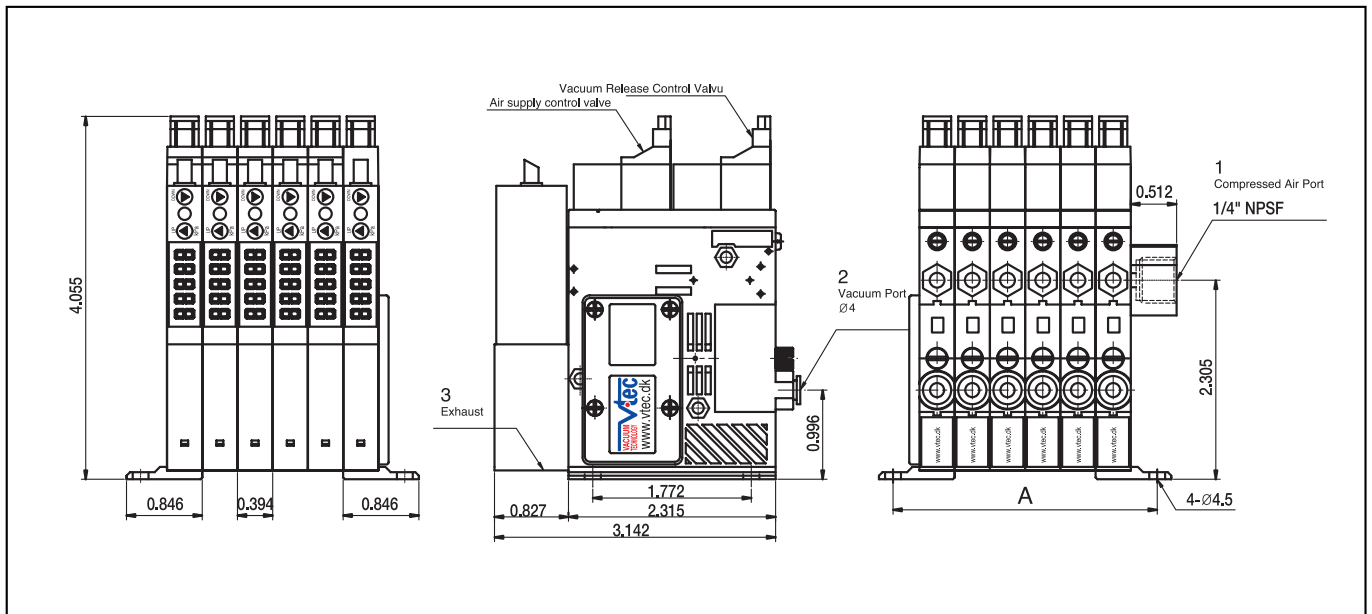
Single Unit (C,D - Type)



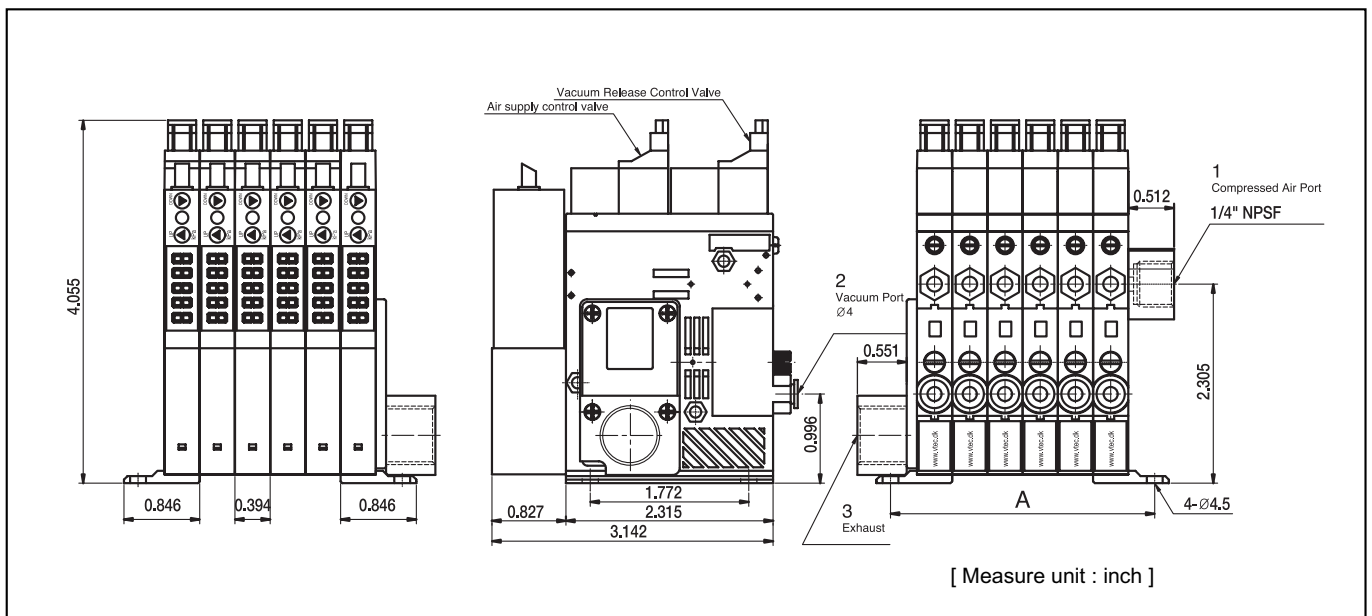
[ Measure unit : inch ]

**Dimensional Information**

**Manifold unit**



**Manifold unit with central exhaust unit**



VACUUM PUMPS

Stack	A (inch)
2stack	1.378
3stack	1.772
4stack	2.165
5stack	2.559
6stack	2.953
7stack	3.346
8stack	3.740
9stack	4.134
10stack	4.528