VACUUM PUMPS / Keyboard pumps – Mini series

VKM5 / VKX5

Features and Strengths

- · Multi-stage vacuum ejector
- · Integrated pleated filter with high dirt capacity & Auto-cleaning system
- · Quick response time
- · Long life time
- · Compact size and light weight



Specifications

Description	VKM5	VKX5
Max. Vacuum level	-85 kPa	-92 kPa
Open Vacuum flow	26 NI/min	23 NI/min
Max. Feed pressure	7 bar	7 bar
Temperature	-20 ~ 80 °C	-20 ~ 80 °C
Noise level	50 ~ 65 dbA	50 ~ 65 dbA
Weight	96g	96g

Vacuum Flow

Model	Max. vacuum	Vacuum flow (NI/min) at different vacuum levels (-kPa)									
Wiodei	(-kPa)	0	10	20	30	40	50	60	70	80	90
VKM5	85	26	15	12	11	10	8	5.5	2.8	0.7	45
VKX5	92	23	12	8	7	6	5	4	2.7	1.2	0.45

| Evacuation Time

Model Cor	Air Consumption	Evacuation time in sec / liter to reach different vacuum levels (-kPa)								
Model	(NI/min)	10	20	30	40	50	60	70	80	90
VKM5	21	0.22	0.56	1.18	1.58	2.36	3.44	5.27	10.22	-
VKX5	22	0.26	0.80	1.52	2.4	3.38	4.91	6.89	10.16	19

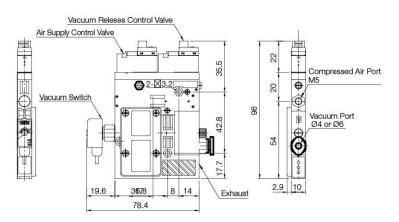


Dimensions - VKM5 / VKX5 series

[Unit:mm]

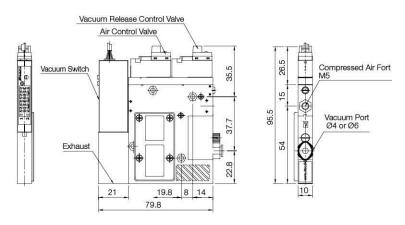
Single unit

Control valve Connector type / Flashing lamp display vacuum switch



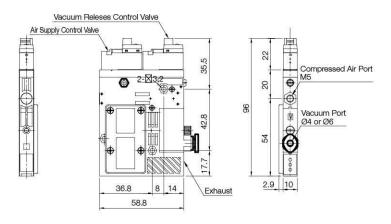
Single unit

Control valve Connector type / Digital vacuum switch



Single unit

Control valve Connector type / Basic

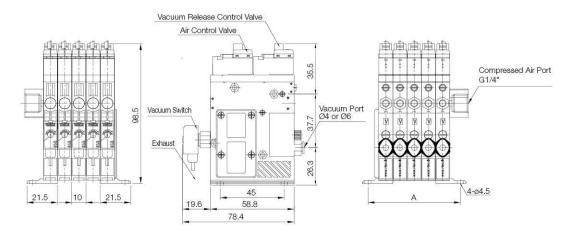


VACUUM PUMPS / Keyboard pumps - Mini series

| Dimension [Unit:mm]

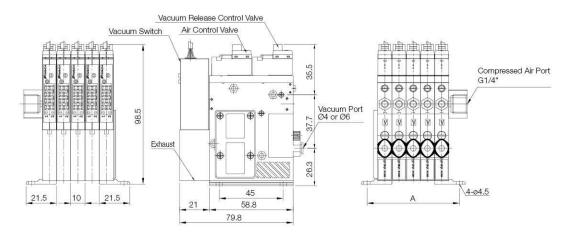
Manifold unit

Control valve Connector type / Flashing lamp display vacuum switch



Manifold Unit with central exhaust unit

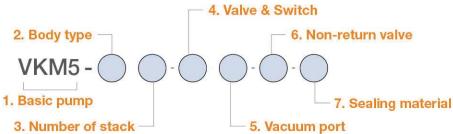
Control valve Connector type / Digital vacuum switch





VACUUM PUMPS / Keyboard pumps – Mini series

I Build an Ordering No.



1. Basic pump	Description	Symbol		
	Mini Keyboard pump – "X" type	VKX5		
	Mini Keyboard pump – "M" type	VKM5		
2. Body type	Description	Symbol		
	Single unit	S		
	Manifold unit	M		
	Manifold unit with central exhaust type	E		
3. Number of stack	Description	Symbol		
o. Number of Stack	MODE BY S	Jyllibol		
	Single stack	2		
	2 stacks 3 stacks	3		
	4 stacks	4		
	4 stacks 5 stacks	5		
	6 stacks	6		
	7 stacks	7		
	8 stacks	8		
	9 stacks	9		
	10 stacks	10		
	Therefore a production of the state of the s	1.00		
I. Valve & Switch	Description	Symbol		
	Air control valve : N.C (Normal Closed) / Vacuum release valve : N.C (Normal Closed), Digital Vacuum switch, NPN	Α		
	Air control valve: N.C (Normal Closed) / Vacuum release valve: N.C (Normal Closed), Digital Vacuum switch, PNP	AP		
	Air control valve: N.C (Normal Closed) / Vacuum release valve: N.C (Normal Closed), LED Vacuum switch, NPN	AL		
	Air control valve : N.C (Normal Closed) / Vacuum release valve : N.C (Normal Closed), LED vacuum switch, PNP	ALP		
	Air control valve : N.O. (Normal Open) / Vacuum release valve : N.C. (Normal Closed), Digital Vacuum switch, NPN	В		
	Air control valve: N.O. (Normal Open) / Vacuum release valve: N.C. (Normal Closed), Digital Vacuum switch, PNP	BP		
	Air control valve : N.O (Normal Open) / Vacuum release valve : N.C (Normal Closed), LED Vacuum switch, NPN	BL		
	Air control valve: N.O. (Normal Open) / Vacuum release valve: N.C. (Normal Closed), LED Vacuum switch, PNP	BLP		
	Air control valve: N.C (Normal Closed) / Vacuum release valve: N.C (Normal Closed)	С		
	Air control valve: N.O (Normal Open) / Vacuum release valve: N.C (Normal Closed)	D		
	Air control valve: N.C (Normal Closed), Digital Vacuum switch, NPN	E		
	Air control valve: N.C (Normal Closed), Digital Vacuum switch, PNP	EP EL		
	Air control valve: N.C (Normal Closed), LED Vacuum switch, NPN	7.11 AND TO THE RESERVE OF THE RESER		
	Air control valve: N.C (Normal Closed), LED Vacuum switch, PNP	ELP F		
	Air control valve: N.O (Normal Open), Digital Vacuum switch, NPN Air control valve: N.O (Normal Open), Digital vacuum switch, PNP	FP		
	Air control valve: N.O (Normal Open), Digital vacuum switch, PNP Air control valve: N.O (Normal Open), LED Vacuum switch, NPN	FL		
	Air control valve: N.O (Normal Open), LED vacuum switch, NPN Air control valve: N.O (Normal Open), LED vacuum switch, PNP	FLP		
	Air control valve: N.C (Normal Closed)	G		
	Air control valve: N.O (Normal Closed) Air control valve: N.O (Normal Open)	Н		
	Vacuum release valve: N.C (Normal Closed), Digital Vacuum switch, NPN			
	Vacuum release valve: N.C (Normal Closed), Digital vacuum switch, PNP	IP		
	Vacuum release valve: N.C (Normal Closed), LED Vacuum switch, NPN	IL		
	Vacuum release valve: N.C (Normal Closed), LED vacuum switch, NPN Vacuum release valve: N.C (Normal Closed), LED vacuum switch, PNP			
	Digital Vacuum switch, NPN	J ILP		
	Digital vacuum switch, PNP	JP		
	LED Vacuum switch, NPN	JL		
	LED vacuum switch, PNP	JLP		
	Vacuum release valve : N.C (Normal Closed)	K		
	- The valves are available only with DC24V	**************************************		
	- The valves are connector type with 0.3m lead wire & lamp			



Build an Ordering No.

5. Vacuum port	Description	Symbol
	Ø4 hose fitting	4
	Ø6 hose fitting	6
0 N		0.00
6. Non-return valve	Description	Symbol
	No non-return valve	Blank
	Non-return valve	N
7. Sealing material	Description	Symbol
(1) N	NBR	Blank
	VITON	V
	EPDM	i E

Spare Parts - Filter

Part No.	Description	
FCK05-A3-4-N	Filter cover case for Ø4 hose fitting, Fix bolt, Gasket	
FCK05-A3-6-N	Filter cover case for Ø6 hose fitting, Fix bolt, Gasket	
FCK05-F3-4-N	Filter cover case for Ø4 hose fitting, Fix bolt, Gasket, Filter element	
FCK05-F3-6-N	Filter cover case for Ø6 hose fitting, Fix bolt, Gasket, Filter element	
VTFE-K05	Vacuum filter element	