

SKC pump

Features and Strengths

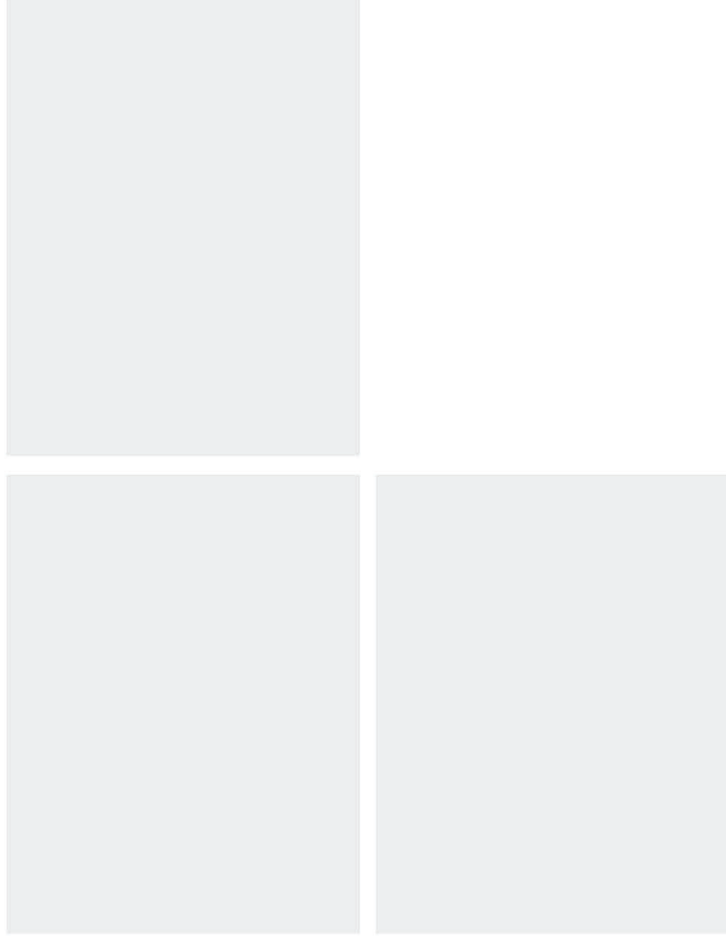
- Highly operational reliability despite fluctuating or low compressed-air pressure
- Auto filter cleaning system
- Display digital sensor & M8 pin connector wire

Advantages

- Fast response time – Especially, in vacuum release time due to QR (Quick release) valve integrated
- Excellent performance in most of every automation application – Especially, dust environment application
- Reliable and stable operation - High vacuum level and vacuum flow in efficient air consumption
- Two vacuum port for flexible selection



Application



Overall of specification

Model	Max. Vacuum	Max. Feed Pressure (bar)	Max. Vacuum Flow (NI/m)	Air Consumption (NI/m)
SKC203	90	7	171.6	64

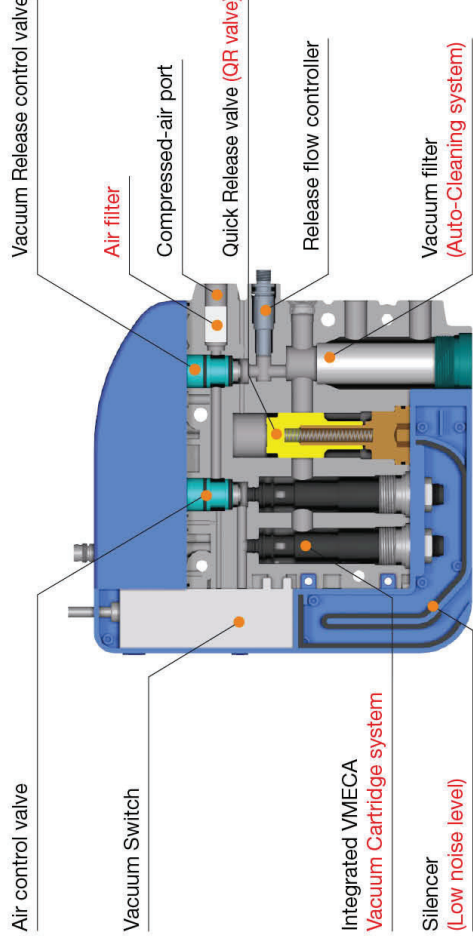
SKC pump

VMECA SKC pump is integrated with vacuum On/Off control Valve, vacuum release valve and vacuum switch with M8 pin connector wire.

It has vacuum filter in body with auto filter cleaning function so that it can be performed well in dust application. Also QR valve (Quick release valve) is integrated to make the release time faster to be suitable in high speed operation.



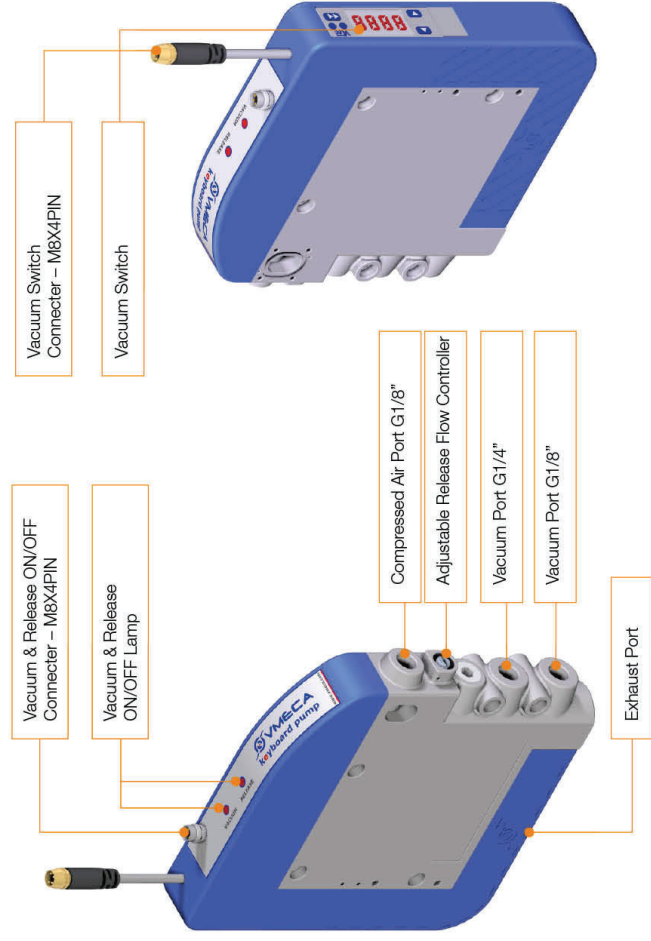
QR valve



Key advantages

- VMECA vacuum cartridge integrated
- Fast response time – Quick release valve integrated
- Display digital sensor & M8 pin connector wire

Mounting



Direct Mounting



Bracket Mounting



Din rail Mounting

SKC203

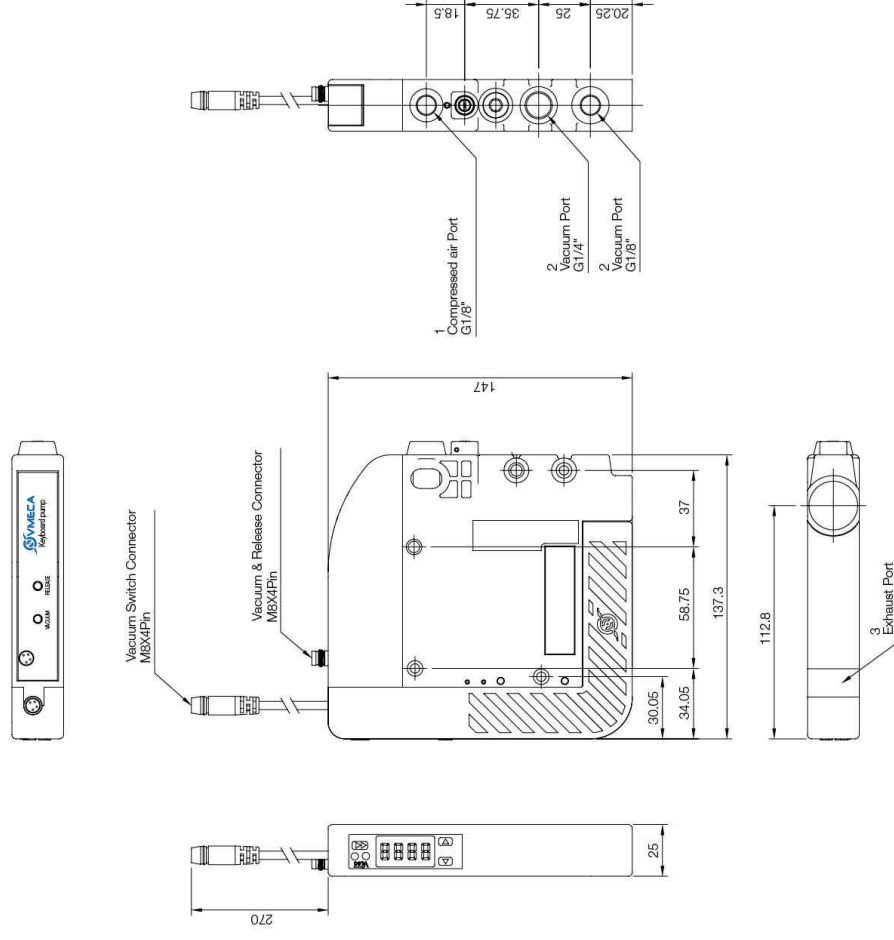
Features and Strengths

- Integrated VMECA Vacuum Cartridge technology
- Integrated QR (Quick Release) valve
- Auto Filter Cleaning system
- Two vacuum ports
- Fast response time & Long life time
- Display Digital Sensor & M8 pin Connector wire
- Available up to 8 multi-stack vacuum system



Dimensions – Basic Pump

[Unit : mm]



Specification

Description	SKC203
Max. Vacuum level	-90 kPa
Open Vacuum flow	171.6 NI/min
Max. Feed pressure	7 bar
Temperature	-20 ~ 80 °C
Noise level	50 ~ 60 dBA
Weight	456g

Vacuum Flow

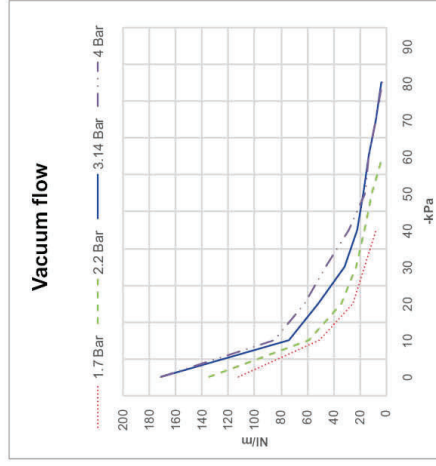
Model	Max. vacuum (-kPa)	Feed Pressure (bar)	Vacuum flow (NI/min) at different vacuum levels (-kPa)											
			0	10	20	30	40	50	60	70	80	90		
SKC203	50	1.7	11.2	50.8	25.6	16.6	8.0	-	-	-	-	-	-	-
	60	2.2	134.4	59.0	34.0	23.0	16.0	10.4	2.8	-	-	-	-	-
	90	3.14	171.2	73.8	52.0	31.6	22.0	17.8	13.2	7.8	4.0	-	-	-
	85	4.0	171.6	85.4	62.0	46.0	28.2	15.2	12.8	7.8	2.6	-	-	-

Evacuation Time

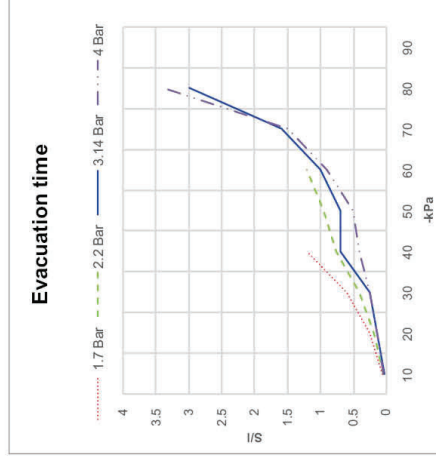
Model	Feed Pressure (bar)	Air Consumption (NI/min)	Evacuation time in sec / liter to reach different vacuum levels (-kPa)											
			10	20	30	40	50	60	70	80	90			
SKC203	1.7	34	0.06	0.25	0.6	1.2	-	-	-	-	-	-	-	-
	2.2	40	0.04	0.19	0.4	0.75	0.95	1.2	-	-	-	-	-	-
	3.14	52	0.03	0.14	0.26	0.7	0.7	1.0	1.6	3.0	-	-	-	-
	4.0	64	0.035	0.13	0.25	0.4	0.5	0.9	1.5	3.4	-	-	-	-

Performance data

SKC203

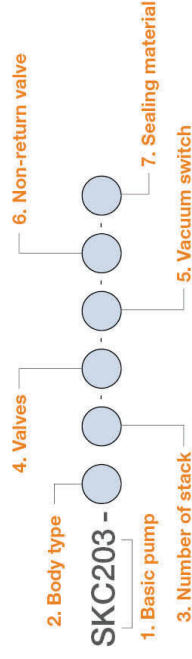


※ Vacuum flow at different vacuum level



※ Time to evacuate a volume at different vacuum level

Build an Ordering No.



1. Basic pump	Description	Symbol
	Smart Keyboard pump, 3-stage, 2-vacuum cartridges, Vacuum filter	SKC203
2. Body type	Description	Symbol
	Single unit	S
	Manifold unit	M
3. Number of stack	Description	Symbol
	Single stack: Only available with Single unit	1
	2 stacks	2
	4 stacks	4
	6 stacks	6
	8 stacks	8
4. Valves	Description	Symbol
	Air control valve : N.C.(Normal Closed) / Vacuum release valve :N.C.(Normal Closed)	A
5. Vacuum switch	Description	Symbol
	Digital switch, No analog supply, M8-4pins, NPN	C
	Digital switch, No analog supply, M8-4pins, PNP	PC
	Digital switch, Analog supply, Grommet, NPN	GA
	Digital switch, Analog supply, Grommet, PNP	PGA
6. Non-return valve	Description	Symbol
	No non-return valve	Blank
	Non-return valve	N
7. Sealing material	Description	Symbol
	NBR	Blank
	VITON	V
	EPDM	E

Spare Parts – Cartridges

Part No.	Description
VC203	Mini Vacuum Cartridge, 3-Stage