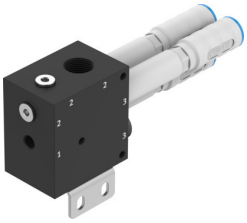
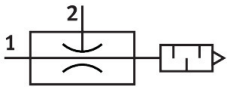
Vacuum generator
OVPN-23-L3-PG14-G34-UA

Part number: 8199148





General operating condition

Data sheet

Feature	Value
Nominal size, Laval nozzle	2.3 mm
Grid dimension	60 mm
Silencer design	Open
Mounting position	optional
Ejector characteristic	High suction rate
Integrated function	Open silencer
Design	Vacuum generator, 3-stage
Symbol	00991489
Operating pressure for max. suction flow rate	0.8 MPa
Operating pressure for max. suction flow rate	8 bar
Operating pressure for max. suction flow rate	116 psi
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 bar
Operating pressure	14.5 psi ... 116 psi
Operating pressure for max. vacuum	0.79 MPa
Operating pressure for max. vacuum	7.9 bar
Operating pressure for max. vacuum	114.55 psi
Max. vacuum	81 %
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	87 psi
Max. suction flow rate against atmosphere	748 l/min
Air supply time at nominal operating pressure	0.13 s
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Media temperature	0 °C ... 60 °C
Recommended cleaning/purification	Soap suds (except silencers)
Sound pressure level at nominal operating pressure	72 dB(A)
Ambient temperature	0 °C ... 60 °C
Product weight	940 g

Feature	Value
Type of mounting	Direct mounting via through-hole Via mounting bracket
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 3	Open silencer
Vacuum connection	G3/4
Material connecting thread	POM
Material seals	NBR
Material receiver nozzle	Reinforced PA
Material housing	POM
Material silencer	PA-reinforced PU foam
Material screws	High-alloy stainless steel
Material transmitter nozzle	Reinforced PA