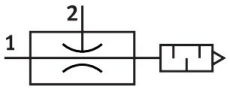
Vacuum generator
OVPN-20-L2-PG14-G34-UA

Part number: 8199144





Data sheet

Feature	Value
Nominal size, Laval nozzle	2 mm
Grid dimension	29.4 mm
Silencer design	Open
Mounting position	Any
Ejector characteristic	High suction rate
Integrated function	Open silencer
Design	Vacuum generator 2-stage
Operating pressure for max. suction flow rate	0.5 MPa 5 bar 72.5 psi
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Operating pressure for max. vacuum	0.79 MPa 7.9 bar 114.55 psi
Max. vacuum	81 %
Nominal operating pressure	0.6 MPa 6 bar 87 psi
Max. suction flow rate against atmosphere	317 l/min
Air supply time at nominal operating pressure	0.19 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 with reduced Cu/Zn/Ni values (F1a)
Media temperature	0 °C...60 °C
Recommended cleaning/purification	Soapsuds (except silencers)
Sound pressure level at nominal operating pressure	66 dB(A)
Ambient temperature	0 °C...60 °C
Product weight	470 g
Type of mounting	Direct mounting via through-hole With mounting bracket

Feature	Value
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	Reinforced PA Polyurethane foam
Material screws	High-alloy stainless steel
Material transmitter nozzle	Reinforced PA