

# Vacuum generator OVPN-14-L3-PG14-G12-UA

Part number: 8199143

**FESTO**



## Data sheet

Feature	Value
Nominal size, Laval nozzle	1.4 mm
Grid dimension	33 mm
Silencer design	Open
Mounting position	optional
Ejector characteristic	High suction rate
Integrated function	Open silencer
Design	Vacuum generator, 3-stage
Operating pressure for max. suction flow rate	0.8 MPa 8 bar 116 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	245 l/min
Air supply time at nominal operating pressure	0.37 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	Product corresponds to the internal product definition from Festo for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Media temperature	0 °C...60 °C
Recommended cleaning/purification	Soap suds (except silencers)
Sound pressure level at nominal operating pressure	60 dB(A)
Ambient temperature	0 °C...60 °C

Feature	Value
Product weight	225 g
Type of mounting	Via mounting bracket
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 3	Open silencer
Vacuum connection	G1/2
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