

Vacuum generator OVPN-14-L2-PG14-G12-UA

Part number: 8199142

FESTO



Data sheet

Feature	Value
Nominal width of Laval nozzle	1.4 mm
Width dimension	33 mm
Muffler construction type	Open
Mounting position	Any
Ejector characteristics	High suction rate
Integrated function	Pneumatic muffler open
Structural design	Vacuum generator 2-stage
Operating pressure for max. suction rate	0.4 MPa 4 bar 58 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 rate with respect to atmosphere	160 l/min
Air supply time at nominal operating pressure	0.37 s
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication 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 Festo's internal product definition 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, circuit boards, cables, electrical plug connectors and coils
Temperature of medium	0 °C...60 °C
Cleaning advice	Soap suds (except silencers)
Noise level at nominal operating pressure	60 dB(A)
Ambient temperature	0 °C...60 °C

Feature	Value
Product weight	205 g
Type of mounting	With mounting bracket
Pneumatic connection 1	G1/4
Pneumatic connection 3	Pneumatic muffler open
Vacuum connection	G1/2
Material of connecting thread	POM
Seals material	NBR
Female nozzle material	PA-reinforced
Housing material	POM
Muffler material	PA-reinforced PU foam
Material of screws	High-alloy stainless steel
Material of jet nozzle	PA-reinforced