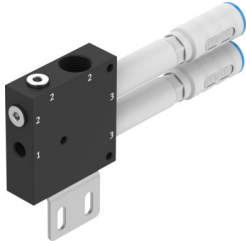


Vacuum generator OVPN-20-L3-PG14-G34-UA

Part number: 8199145

FESTO



Data sheet

| Feature | Value |
|--|--|
| Nominal size, Laval nozzle | 2 mm |
| Grid dimension | 29.4 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 | 530 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 | 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 | 64 dB(A) |
| Ambient temperature | 0 °C...60 °C |

| Feature | Value |
|------------------------------|--|
| Product weight | 510 g |
| 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 |