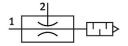
## Vacuum generator OVPN-14-L2-PG14-G12-UA Part number: 8199142





**FESTO** 

General operating condition

## **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 2-stage   |
| Symbol   | 00991489   |
| Operating pressure for max. suction flow rate      | 0.4 MPa  |
| Operating pressure for max. suction flow rate      | 4 bar  |
| Operating pressure for max. suction flow rate      | 58 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          | 160 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 | 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 | 60 dB(A)   |
| Ambient temperature                                | 0 °C 60 °C   |
| Product weight                                     | 205 g  |
| Type of mounting                                   | Via mounting bracket   |

| Feature                      | Value                      |
|------------------------------|----------------------------|
| Pneumatic connection, port 1 | G1/4                       |
| Pneumatic connection, port 3 | Open silencer              |
| Vacuum connection            | G1/2                       |
| Material connecting thread   | РОМ                        |
| Material seals               | NBR                        |
| Material receiver nozzle     | Reinforced PA              |
| Material housing             | РОМ                        |
| Material silencer            | PA-reinforced<br>PU foam   |
| Material screws              | High-alloy stainless steel |
| Material transmitter nozzle  | Reinforced PA              |