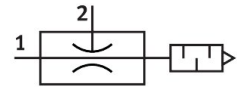
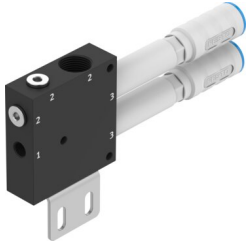


# Vacuum generator OVPN-20-L3-PG14-G34-UA

Part number: 8199145

**FESTO**



## Data sheet

| Feature                                            | Value                                                              |
|----------------------------------------------------|--------------------------------------------------------------------|
| Nominal width of Laval nozzle                      | 2 mm                                                               |
| Width dimension                                    | 29.4 mm                                                            |
| Muffler construction type                          | Open                                                               |
| Mounting position                                  | Any                                                                |
| Ejector characteristics                            | High suction flow                                                  |
| Integrated function                                | Muffler open                                                       |
| Structural design                                  | Vacuum generator 3-stage                                           |
| Operating pressure for max. suction rate           | 0.8 MPa<br>8 bar<br>116 psi                                        |
| Operating pressure                                 | 0.1 MPa...0.8 MPa<br>1 bar...8 bar<br>14.5 psi...116 psi           |
| Operating pressure for max. vacuum                 | 0.79 MPa<br>7.9 bar<br>114.55 psi                                  |
| Max. vacuum                                        | 81 %                                                               |
| Nominal operating pressure                         | 0.6 MPa<br>6 bar<br>87 psi                                         |
| Max. suction rate with respect to atmosphere       | 530 l/min                                                          |
| Air supply time at nominal operating pressure      | 0.19 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 | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Temperature of medium                              | 0 °C...60 °C                                                       |
| Cleaning advice                                    | Soapsuds (except silencers)                                        |
| Noise level at nominal operating pressure          | 64 dB(A)                                                           |
| Ambient temperature                                | 0 °C...60 °C                                                       |
| Product weight                                     | 510 g                                                              |
| Type of mounting                                   | Direct mounting via through-hole<br>With mounting bracket          |

| Feature                       | Value                      |
|-------------------------------|----------------------------|
| Pneumatic connection 1        | G1/4                       |
| Pneumatic connection 3        | Muffler open               |
| Vacuum connection             | G3/4                       |
| Material of connecting thread | POM                        |
| Seals material                | NBR                        |
| Female nozzle material        | PA-reinforced              |
| Housing material              | POM                        |
| Muffler material              | PA-reinforced<br>PU foam   |
| Material of screws            | high-alloy stainless steel |
| Material of jet nozzle        | PA-reinforced              |