

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

Part number: 8199142

**FESTO**



[General operating condition](#)

## 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                                           |
| Symbol                                             | 00991489                                                           |
| Operating pressure for max. suction rate           | 0.4 MPa                                                            |
| Operating pressure for max. suction rate           | 4 bar                                                              |
| Operating pressure for max. suction 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 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 | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| 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                                                     |
| Product weight                                     | 205 g                                                              |
| Type of mounting                                   | With mounting bracket                                              |
| Pneumatic connection 1                             | G1/4                                                               |
| Pneumatic connection 3                             | Pneumatic muffler open                                             |

| Feature                       | Value                      |
|-------------------------------|----------------------------|
| Vacuum connection             | G1/2                       |
| 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              |