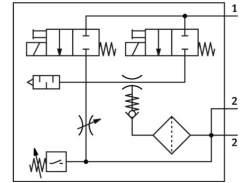


# Vacuum generator VADMI-95-LS-N

Part number: 171058

**FESTO**



General operating condition

## Data sheet

| Feature                       | Value                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal size, Laval nozzle    | 0.95 mm                                                                                                                                            |
| Grid dimension                | 18 mm                                                                                                                                              |
| Silencer design               | Closed                                                                                                                                             |
| Mounting position             | optional                                                                                                                                           |
| Ejector characteristic        | High vacuum                                                                                                                                        |
| Grade of filtration           | ≤40 µm                                                                                                                                             |
| Manual override               | Non-detenting                                                                                                                                      |
| Integrated function           | Electric ejector pulse valve<br>Flow control<br>Electric on-off valve<br>Filter<br>Air saving function, electrical<br>Check valve<br>Vacuum switch |
| Measured variable             | Relative pressure                                                                                                                                  |
| Measuring principle           | Piezoresistive                                                                                                                                     |
| Switching element function    | N/O contact                                                                                                                                        |
| Switching function            | Threshold value comparator                                                                                                                         |
| Symbol                        | 00991306                                                                                                                                           |
| Valve function                | Closed                                                                                                                                             |
| Reverse polarity protection   | For all electrical connections                                                                                                                     |
| Display type                  | LED                                                                                                                                                |
| Setting range hysteresis      | -0.06 MPa ... -0.01 MPa                                                                                                                            |
| Setting range hysteresis      | -0.6 bar ... -0.1 bar                                                                                                                              |
| Setting range hysteresis      | -8.7 psi ... -1.45 psi                                                                                                                             |
| Setting options               | Potentiometer                                                                                                                                      |
| Switching status indication   | Optical                                                                                                                                            |
| Setting range threshold value | -0.09 MPa ... -0.02 MPa                                                                                                                            |
| Setting range threshold value | -0.9 bar ... -0.2 bar                                                                                                                              |
| Setting range threshold value | -13.05 psi ... -2.9 psi                                                                                                                            |
| Operating pressure            | 0.2 MPa ... 0.8 MPa                                                                                                                                |
| Operating pressure            | 2 bar ... 8 bar                                                                                                                                    |
| Operating pressure            | 29 psi ... 116 psi                                                                                                                                 |
| Max. vacuum                   | 85 %                                                                                                                                               |
| Nominal operating pressure    | 0.6 MPa                                                                                                                                            |
| Nominal operating pressure    | 6 bar                                                                                                                                              |

| Feature                                                          | Value                                             |
|------------------------------------------------------------------|---------------------------------------------------|
| Nominal operating pressure                                       | 87 psi                                            |
| Max. overload pressure                                           | 5 bar                                             |
| Air supply time at nominal operating pressure with ejector pulse | 2.04 s                                            |
| Operational voltage range DC                                     | 21.6 V ... 26.4 V                                 |
| Duty cycle                                                       | 100%                                              |
| Switching output                                                 | NPN                                               |
| Approval                                                         | RCM trademark<br>c UL us - Recognized (OL)        |
| CE mark (see declaration of conformity)                          | To EU EMC Directive                               |
| UKCA marking (see declaration of conformity)                     | To UK instructions for EMC                        |
| 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                                 |
| Media temperature                                                | 0 °C ... 60 °C                                    |
| Degree of protection                                             | IP65                                              |
| Ambient temperature                                              | 0 °C ... 50 °C                                    |
| Product weight                                                   | 250 g                                             |
| Pressure measuring range                                         | 0 MPa ... 0.1 MPa                                 |
| Pressure measuring range                                         | 0 bar ... 1 bar                                   |
| Pressure measuring range                                         | 0 psi ... 14.5 psi                                |
| Electrical connection                                            | 4-pin<br>M8x1<br>Plugs                            |
| Type of mounting                                                 | Either:<br>With through-hole<br>Via female thread |
| Pneumatic connection, port 1                                     | G1/8                                              |
| Pneumatic connection, port 3                                     | Integrated silencer                               |
| Vacuum connection                                                | G1/8                                              |
| Note on materials                                                | RoHS-compliant                                    |
| Material seals                                                   | NBR                                               |
| Material receiver nozzle                                         | Brass, nickel-plated                              |
| Material filter                                                  | PA                                                |
| Material filter housing                                          | PC                                                |
| Material housing                                                 | Wrought aluminium alloy                           |
| Material silencer                                                | PE<br>POM                                         |
| Material piston                                                  | POM                                               |
| Material transmitter nozzle                                      | Nickel-plated brass                               |