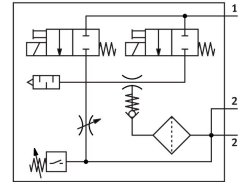
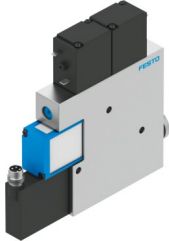


# Vacuum generator VADMI-70-P

Part number: 162526

**FESTO**



## Data sheet

| Feature                       | Value                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Nominal width of Laval nozzle | 0.7 mm                                                                                                                 |
| Width dimension               | 15 mm                                                                                                                  |
| Muffler construction type     | Closed                                                                                                                 |
| Mounting position             | Any                                                                                                                    |
| Ejector characteristics       | High vacuum                                                                                                            |
| Grade of filtration           | 40 µm                                                                                                                  |
| Manual override               | Non-detenting                                                                                                          |
| Integrated function           | Ejector pulse valve, electric<br>Flow control valve<br>Electric on-off valve<br>Filter<br>Check valve<br>Vacuum switch |
| Measured variable             | Relative pressure                                                                                                      |
| Measuring principle           | Piezoresistive                                                                                                         |
| Switching element function    | N.O. contact                                                                                                           |
| Switching function            | Threshold value comparator                                                                                             |
| Valve function                | Closed                                                                                                                 |
| Reverse polarity protection   | for all electrical connections                                                                                         |
| Display type                  | LED                                                                                                                    |
| Setting range hysteresis      | -50 kPa...-5 kPa<br>-0.5 bar...-0.05 bar                                                                               |
| Hysteresis setting range      | -7.25 psi...-0.725 psi                                                                                                 |
| Setting options               | Potentiometer                                                                                                          |
| Switching status indication   | Optical                                                                                                                |
| Setting range threshold value | -90 kPa...0 kPa<br>-0.9 bar...0 bar                                                                                    |
| Threshold value setting range | -13.05 psi...0 psi                                                                                                     |
| Operating pressure            | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar<br>21.75 psi...116 psi                                                           |
| Max. vacuum                   | 85 %                                                                                                                   |
| Nominal operating pressure    | 0.6 MPa<br>6 bar                                                                                                       |

| Feature                                                          | Value                                                       |
|------------------------------------------------------------------|-------------------------------------------------------------|
|                                                                  | 87 psi                                                      |
| Max. overload pressure                                           | 5 bar                                                       |
| Air supply time at nominal operating pressure with ejector pulse | 0.59 s                                                      |
| DC operating voltage range                                       | 21.6 V...26.4 V                                             |
| Duty cycle                                                       | 100%                                                        |
| Switching output                                                 | PNP                                                         |
| Certification                                                    | RCM compliance mark<br>c UL us - recognized (OL)            |
| CE marking (see declaration of conformity)                       | As per EU EMC directive                                     |
| UKCA marking (see declaration of conformity)                     | To UK instructions for EMC                                  |
| 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                                           |
| Temperature of medium                                            | 0 °C...60 °C                                                |
| Degree of protection                                             | IP65                                                        |
| Ambient temperature                                              | 0 °C...50 °C                                                |
| Product weight                                                   | 180 g                                                       |
| Pressure measuring range                                         | 0 MPa...0.1 MPa<br>0 bar...1 bar<br>0 psi...14.5 psi        |
| Electrical connection                                            | 4-pin<br>M8x1<br>Plug                                       |
| Type of mounting                                                 | Alternatively:<br>With through-hole<br>With internal thread |
| Pneumatic connection 1                                           | M5                                                          |
| Pneumatic connection 3                                           | Integrated muffler                                          |
| Vacuum connection                                                | G1/8                                                        |
| Note on materials                                                | RoHS compliant                                              |
| Seals material                                                   | NBR                                                         |
| Female nozzle material                                           | Brass, nickel-plated                                        |
| Compressed air filter material                                   | PA                                                          |
| Material of filter housing                                       | PC                                                          |
| Housing material                                                 | Wrought aluminum alloy                                      |
| Muffler material                                                 | Protective grounding<br>POM                                 |
| Material of piston                                               | POM                                                         |
| Material of jet nozzle                                           | Brass, nickel-plated                                        |