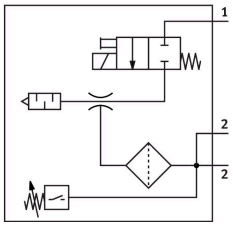
# Vacuum generator
# VADM-95-P

Part number: 162516






## Data sheet

| Feature | Value |
|---|---|
| Nominal width of Laval nozzle | 0.95 mm |
| Width dimension | 18 mm |
| Muffler construction type | Closed |
| Mounting position | Any |
| Ejector characteristics | High vacuum |
| Grade of filtration | 40 µm |
| Manual override | Non-detenting |
| Integrated function | Electric on-off valve<br>Filter<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 | 0.2 MPa...0.8 MPa<br>2 bar...8 bar<br>29 psi...116 psi |
| Max. vacuum | 85 % |
| Nominal operating pressure | 0.6 MPa<br>6 bar<br>87 psi |

| Feature | Value |
|---|---|
| Air supply time at nominal operating pressure | 1.18 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 |
| 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 | 220 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 | G1/8 |
| 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 |