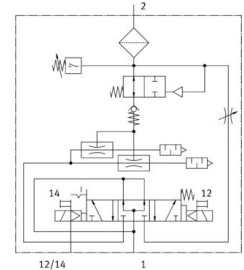
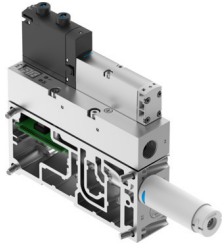


# Vacuum generator VABF-S4-2-V2B1-G38-CB-VL-14-AP

Part number: 8088781

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                       | Value                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction width                            | 35 mm                                                                                                                                                            |
| Nominal size, Laval nozzle                    | 1.4 mm                                                                                                                                                           |
| Silencer design                               | Open                                                                                                                                                             |
| Type of actuation                             | Electric                                                                                                                                                         |
| Reverse polarity protection                   | For all electrical connections                                                                                                                                   |
| Mounting position                             | optional                                                                                                                                                         |
| Ejector characteristic                        | High suction rate<br>Standard                                                                                                                                    |
| Manual override                               | Detenting<br>Non-detenting<br>Covered                                                                                                                            |
| Integrated function                           | Flow control<br>Electric on-off valve<br>Air saving function, electrical<br>Power ejector pulse valve, electric<br>Check valve<br>Open silencer<br>Vacuum switch |
| Measured variable                             | Relative pressure                                                                                                                                                |
| Measuring principle                           | Piezoresistive                                                                                                                                                   |
| Switching function                            | Window comparator<br>Threshold value comparator                                                                                                                  |
| Symbol                                        | 00995925                                                                                                                                                         |
| Valve function                                | 5/3-way, pressurised                                                                                                                                             |
| Display type                                  | LED<br>LED indicator<br>2-digit                                                                                                                                  |
| Displayable units                             | kPa                                                                                                                                                              |
| Setting range threshold value                 | 0 MPa ... 0.099 MPa                                                                                                                                              |
| Setting range hysteresis                      | 0 MPa ... 0.09 MPa                                                                                                                                               |
| Setting options                               | Teach-in<br>Via parameter sets                                                                                                                                   |
| Signal status display                         | LED                                                                                                                                                              |
| Switching status display sensor               | LED                                                                                                                                                              |
| Operating pressure for max. suction flow rate | 4 bar                                                                                                                                                            |

| Feature                                            | Value                                     |
|----------------------------------------------------|-------------------------------------------|
| Operating pressure                                 | 4 bar ... 8 bar                           |
| Nominal operating pressure                         | 6 bar                                     |
| Pilot pressure                                     | 4 bar ... 10 bar                          |
| Max. suction flow rate against atmosphere          | 91 l/min                                  |
| Air supply time at nominal operating pressure      | 0.25 s                                    |
| Operational voltage range DC                       | 21.6 V ... 30 V                           |
| No-load supply current                             | 30 mA                                     |
| Duty cycle                                         | 100%                                      |
| Approval                                           | RCM trademark                             |
| CE mark (see declaration of conformity)            | To EU EMC Directive                       |
| 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                     | 0 - No corrosion stress                   |
| LABS (PWIS) conformity                             | VDMA24364-B1/B2-L                         |
| Media temperature                                  | -5 °C ... 50 °C                           |
| Sound pressure level at nominal operating pressure | 62 dB(A)                                  |
| Degree of protection                               | IP65                                      |
| Protection class                                   | III                                       |
| Ambient temperature                                | -5 °C ... 50 °C                           |
| Product weight                                     | 930 g                                     |
| Pressure measuring range                           | -1 bar ... 0 bar                          |
| Display range start value                          | 0 MPa                                     |
| Display range end value                            | 0.099 MPa                                 |
| Accuracy in ± % FS                                 | 3 %FS                                     |
| Reproducibility of switching values FS             | 1 %                                       |
| Electrical control                                 | Fieldbus                                  |
| Electrical connection                              | Via CPX                                   |
| Pneumatic connection, port 3                       | Open silencer                             |
| Vacuum connection                                  | G3/8                                      |
| Note on materials                                  | RoHS-compliant                            |
| Material seals                                     | HNBR<br>NBR                               |
| Material receiver nozzle                           | POM                                       |
| Material housing                                   | Wrought aluminium alloy                   |
| Material plate                                     | Die-cast aluminium                        |
| Material adjusting screw                           | High-alloy stainless steel                |
| Material silencer                                  | POM<br>PU foam                            |
| Material screws                                    | Steel                                     |
| Material transmitter nozzle                        | Wrought aluminium alloy                   |