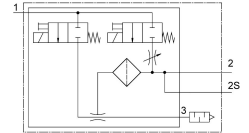
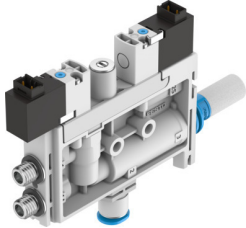


# Vacuum generator

## VEL-10-H-15-P-VQ6-UC-C-A-H3

Part number: 8141097

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Nominal size, Laval nozzle                                       | 0.95 mm  |
| Grid dimension   | 15 mm  |
| Silencer design  | Closed   |
| Mounting position  | optional   |
| Ejector characteristic   | High vacuum<br>Standard  |
| Grade of filtration  | 40 µm  |
| Manual override  | Non-detenting  |
| Integrated function  | Electric ejector pulse<br>Flow control<br>Electric on-off valve<br>Filter<br>Silencer closed |
| Design   | T-shape  |
| Valve function   | Closed   |
| Operating pressure for max. suction flow rate                    | 0.4 MPa<br>4 bar<br>58 psi   |
| Operating pressure   | 0.2 MPa...0.7 MPa<br>2 bar...7 bar<br>29 psi...101.5 psi                                     |
| Operating pressure for max. vacuum                               | 0.41 MPa<br>4.1 bar<br>59.45 psi   |
| Max. vacuum  | 92 %   |
| Nominal operating pressure                                       | 0.4 MPa<br>4 bar<br>58 psi   |
| Max. suction flow rate against atmosphere                        | 21 l/min   |
| Air supply time at nominal operating pressure with ejector pulse | 1 s  |
| Operational voltage range DC                                     | 21.6 V...26.4 V  |
| Duty cycle   | 100%   |
| Characteristic coil data   | 24 V DC: 1.0 W   |
| Approval   | c UL us listed (OL)  |
| CE mark (see declaration of conformity)                          | To EU EMC Directive  |

| Feature  | Value                                     |
|--|---|
| 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...50 °C                              |
| Sound pressure level at nominal operating pressure       | 56 dB(A)                                  |
| Degree of protection                                     | IP40                                      |
| Ambient temperature                                      | 0 °C...50 °C                              |
| Product weight   | 58 g                                      |
| Electrical connection input, function                    | Ejector pulse<br>Vacuum generation        |
| Electrical connection input, connection type             | 2x plug connector                         |
| Electrical connection input, connector system            | Connection pattern H                      |
| Electrical connection input, number of connections/cores | 2   |
| Input electrical connection, mounting type               | Snap-locking                              |
| Type of mounting   | On manifold rail                          |
| Pneumatic connection, port 1                             | Common line                               |
| Pneumatic connection, port 3                             | Silencer closed                           |
| Vacuum connection  | For tubing O.D. 6 mm                      |
| Material connecting thread                               | POM                                       |
| Note on materials  | RoHS-compliant                            |
| Material seals   | NBR                                       |
| Material receiver nozzle                                 | POM                                       |
| Material filter  | POM                                       |
| Material housing   | PA-reinforced                             |
| Material hollow bolt                                     | Wrought aluminium alloy                   |
| Material adjusting screw                                 | Steel                                     |
| Material silencer  | PA-reinforced<br>PE                       |
| Material screws  | Steel                                     |
| Material transmitter nozzle                              | Wrought aluminium alloy                   |