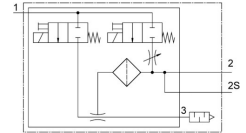
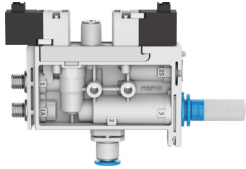


# Vacuum generator OVEL-7-H-15-P-VQ4-UC-C-A-H3

Part number: 8141095

FESTO



 [General operating condition](#)

## 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<br>Standard   |
| Grade of filtration  | 40 µm   |
| Manual override  | Non-detenting   |
| Integrated function  | Electric ejector pulse<br>Flow control<br>On/off valve, electric<br>Filter<br>Muffler, closed |
| Structural design  | T-shape   |
| Symbol   | 00995808  |
| Valve function   | Closed  |
| Operating pressure for max. suction rate                         | 0.4 MPa   |
| Operating pressure for max. suction rate                         | 4 bar   |
| Operating pressure for max. suction rate                         | 58 psi  |
| Operating pressure   | 0.2 MPa ... 0.7 MPa   |
| Operating pressure   | 2 bar ... 7 bar   |
| Operating pressure   | 29 psi ... 101.5 psi  |
| Operating pressure for max. vacuum                               | 0.48 MPa  |
| Operating pressure for max. vacuum                               | 4.8 bar   |
| Operating pressure for max. vacuum                               | 69.6 psi  |
| Max. vacuum  | 92 %  |
| Nominal operating pressure                                       | 0.4 MPa   |
| Nominal operating pressure                                       | 4 bar   |
| Nominal operating pressure                                       | 58 psi  |
| Max. suction rate with respect to atmosphere                     | 17 l/min  |
| Air supply time at nominal operating pressure with ejector pulse | 1.2 s   |
| DC operating voltage range                                       | 21.6 V ... 26.4 V   |
| Duty cycle   | 100%  |
| Coil characteristics   | 24 V DC: 1.0 W  |
| Certification  | c UL us - Listed (OL)   |
| 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   |

| Feature   | Value                                      |
|---|--|
| Corrosion resistance class (CRC)                    | 2 - Moderate corrosion stress              |
| LABS (PWIS) conformity                              | VDMA24364-B1/B2-L                          |
| Temperature of medium                               | 0 °C ... 50 °C                             |
| Noise level at nominal operating pressure           | 56 dB(A)                                   |
| Degree of protection                                | IP40                                       |
| Ambient temperature                                 | 0 °C ... 50 °C                             |
| Product weight                                      | 59 g                                       |
| Electrical connection input, function               | Ejector pulse<br>Vacuum generator          |
| Electrical connection input, connection type        | 2x plugs                                   |
| Electrical input connection, connection technology  | Connection diagram H                       |
| Electrical connection, input, number of pins/wires  | 2  |
| Electrical connection for input, connection pattern | 00995626                                   |
| Electrical input connection, mounting type          | Snap-locking                               |
| Type of mounting                                    | On terminal strip                          |
| Pneumatic connection 1                              | Common port                                |
| Pneumatic connection 3                              | Muffler, closed                            |
| Vacuum connection                                   | For pneumatic tubing outside diameter 4 mm |
| Material of connecting thread                       | POM  |
| Note on materials                                   | RoHS-compliant                             |
| Seals material                                      | NBR  |
| Female nozzle material                              | POM  |
| Compressed air filter material                      | POM  |
| Housing material                                    | PA-reinforced                              |
| Hollow bolt material                                | Wrought aluminum alloy                     |
| Material of adjusting screw                         | Steel                                      |
| Muffler material                                    | PA-reinforced<br>PE                        |
| Material of screws                                  | Steel                                      |
| Material of jet nozzle                              | Wrought aluminum alloy                     |