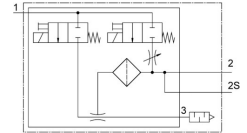
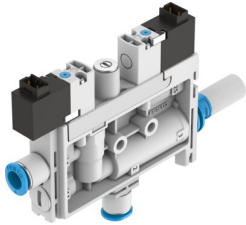


# Vacuum generator OVEL-7-H-15-PQ-VQ4-UC-C-A-H3

Part number: 8141100

**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)                                                                         |
| CE marking (see declaration of conformity)                       | As per EU EMC directive                                                                       |
| Operating medium                                                 | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                 |

| Feature                                             | Value                                       |
|-----------------------------------------------------|---------------------------------------------|
| 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 ... 50 °C                              |
| Noise level at nominal operating pressure           | 56 dB(A)                                    |
| Degree of protection                                | IP40                                        |
| Ambient temperature                                 | 0 °C ... 50 °C                              |
| Product weight                                      | 56 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                                    | With through-hole                           |
| Pneumatic connection 1                              | for pneumatic tubing outside diameter 4 mm  |
| 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                               |
| Material of adjusting screw                         | Steel                                       |
| Muffler material                                    | PA-reinforced<br>PE                         |
| Material of screws                                  | Steel                                       |
| Material of jet nozzle                              | Wrought aluminum alloy                      |