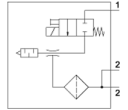
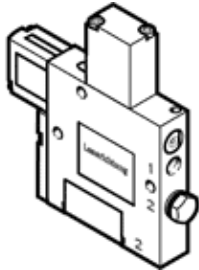


# vacuum generator VADM-45

Part number: 162500  
Classic - do not use for new projects

FESTO

With integrated solenoid valve for vacuum On/Off  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



## Data sheet

| Feature                                       | Value  |
|---|--|
| Nominal size, Laval nozzle                    | 0.45 mm  |
| Grid dimension                                | 10 mm  |
| Design, silencer                              | closed   |
| Assembly position                             | Any  |
| Ejector characteristic                        | High vacuum  |
| Grade of filtration                           | $\leq 40 \mu\text{m}$  |
| Manual override                               | Pushing  |
| Integrated function                           | Electrical on-off valve<br>Filter                              |
| Valve function                                | closed   |
| Operating pressure MPa                        | 0.15 ... 0.8 MPa   |
| Operating pressure                            | 1.5 ... 8 bar<br>21.75 ... 116 psi                             |
| Max. vacuum                                   | 85 %   |
| Nominal operating pressure                    | 0.6 MPa<br>6 bar   |
| Nominal operating pressure (psi)              | 87 psi   |
| Air supply time at nominal operating pressure | 5.9 s  |
| Operating voltage range DC                    | 21.6 ... 26.4 V  |
| Duty cycle                                    | 100 %  |
| Authorisation                                 | c UL us - Recognized (OL)                                      |
| Operating medium                              | Compressed air in accordance with ISO8573-1:2010 [7:4:4]       |
| Note on operating and pilot medium            | Lubricated operation not possible                              |
| Corrosion resistance classification CRC       | 2 - Moderate corrosion stress                                  |
| PWIS conformity                               | VDMA24364-B1/B2-L  |
| Medium temperature                            | 0 ... 60 °C  |
| Protection class                              | IP65   |
| Ambient temperature                           | 0 ... 60 °C  |
| Product weight                                | 60 g   |
| Electrical connection                         | Plug   |
| Mounting type                                 | with through hole<br>with internal (female) thread<br>Optional |
| Pneumatic connection, port 1                  | M5   |
| Pneumatic connection, port 3                  | Integrated silencer  |
| Vacuum connection                             | M5   |
| Materials note                                | Conforms to RoHS   |
| Material seals                                | NBR  |
| Material receiver nozzle                      | Nickel-plated brass  |
| Material filter                               | PA   |
| Material filter housing                       | PC   |
| Material housing                              | Wrought Aluminium alloy  |
| Material silencer                             | PE<br>POM  |
| Material piston                               | POM  |
| Material transmitter nozzle                   | Nickel-plated brass  |