

# Vacuum suction cup ESS-8-SF

Part number: 189282

**FESTO**



## Data sheet

| Feature                                     | Value                                                       |
|---------------------------------------------|-------------------------------------------------------------|
| Min. workpiece radius                       | 20 mm                                                       |
| Nominal width                               | 2 mm                                                        |
| Suction cup diameter                        | 8 mm                                                        |
| Suction cup volume                          | 0.03 cm <sup>3</sup>                                        |
| Ejector pulse suitability                   | 4 bar                                                       |
| Connection position                         | up                                                          |
| Mounting position                           | Any                                                         |
| Classification of suction cup holder        | Size 2                                                      |
| Suction cup shape                           | Round, flat                                                 |
| Operating pressure                          | -95 kPa...0 kPa<br>-0.95 bar...0 bar<br>-13.775 psi...0 psi |
| Nominal operating pressure                  | -70 kPa<br>-0.7 bar<br>-10.15 psi                           |
| Operating medium                            | Atmospheric air based on ISO 8573-1:2010 [7:::-]            |
| Corrosion resistance class (CRC)            | 1 - Low corrosion stress                                    |
| LABS (PWIS) conformity                      | VDMA24364-A1-L                                              |
| For use in the food industry                | See supplementary material information                      |
| Ambient temperature                         | -10 °C...200 °C                                             |
| Holding force at nominal operating pressure | 2.3 N                                                       |
| Lateral force at nominal operating pressure | 3.5 N                                                       |
| Product weight                              | 0.2 g                                                       |
| Type of mounting                            | Via vacuum connection                                       |
| Vacuum connection                           | Inside diameter 4 mm                                        |
| Color                                       | Gray                                                        |
| Shore hardness                              | 60 +/-5                                                     |
| Material of screwed plug                    | Brass, nickel-plated                                        |
| Note on materials                           | RoHS compliant                                              |

| Feature              | Value |
|----------------------|-------|
| Suction cup material | FPM   |