

# Vacuum suction cup ESS-80-SU

Part number: 189319

**FESTO**



## Data sheet

| Feature                                     | Value                                                              |
|---------------------------------------------|--------------------------------------------------------------------|
| Min. workpiece radius                       | 400 mm                                                             |
| Nominal width                               | 6 mm                                                               |
| Suction cup diameter                        | 80 mm                                                              |
| Suction cup volume                          | 19.312 cm <sup>3</sup>                                             |
| Connection position                         | up                                                                 |
| Mounting position                           | Any                                                                |
| Classification of suction cup holder        | Size 5                                                             |
| 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 Zone III                                                 |
| For use in the food industry                | See supplementary material information                             |
| Ambient temperature                         | -20 °C...60 °C                                                     |
| Holding force at nominal operating pressure | 309.7 N                                                            |
| Lateral force at nominal operating pressure | 295 N                                                              |
| Product weight                              | 133 g                                                              |
| Type of mounting                            | Via vacuum connection                                              |
| Vacuum connection                           | M10                                                                |
| Color                                       | Blue                                                               |
| Shore hardness                              | 60 +/-5                                                            |
| Material of screwed plug                    | POM<br>Steel, nickel-plated<br>Steel, galvanized and chrome-plated |

| Feature              | Value          |
|----------------------|----------------|
| Note on materials    | RoHS compliant |
| Suction cup material | PUR            |