

# Vacuum suction cup ESS-100-SU

Part number: 189323

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                     | Value  |
|---|--|
| Min. workpiece radius                       | 460 mm   |
| Nominal width                               | 6 mm   |
| Suction cup diameter                        | 100 mm   |
| Suction cup volume                          | 29.779 cm <sup>3</sup>   |
| Connection position                         | Top  |
| Mounting position                           | Any  |
| Symbol                                      | 00991485   |
| Classification of suction cup holder        | Size 5   |
| Suction cup shape                           | Round, flat  |
| Operating pressure                          | -0.095 MPa ... 0 MPa   |
| Operating pressure                          | -0.95 bar ... 0 bar  |
| Operating pressure                          | -13.775 psi ... 0 psi  |
| Nominal operating pressure                  | -0.07 MPa  |
| Nominal operating pressure                  | -0.7 bar   |
| Nominal operating pressure                  | -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 | 503.6 N  |
| Lateral force at nominal operating pressure | 482.5 N  |
| Product weight                              | 222 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 |
| Note on materials                           | RoHS-compliant   |

| Feature              | Value |
|----------------------|-------|
| Suction cup material | PUR   |