

# Suction cup with connection ESS-80-SU

Part number: 189319

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                     | Value   |
|---|---|
| Min. workpiece radius                       | 400 mm  |
| Nominal size                                | 6 mm  |
| Suction cup diameter                        | 80 mm   |
| Suction cup volume                          | 19.312 cm <sup>3</sup>  |
| Position of connection                      | On top  |
| Mounting position                           | Any   |
| Symbol                                      | 00991485  |
| Correlation to 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  |
| Suitable for use with food                  | 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 port   |
| Vacuum connection                           | M10   |
| Colour                                      | Blue  |
| Shore hardness                              | 60 +/-5   |
| Material screwed plug                       | POM<br>Nickel-plated steel<br>Steel, galvanised and chrome-plated |
| Note on materials                           | RoHS compliant  |

| Feature              | Value |
|----------------------|-------|
| Material suction cup | PUR   |