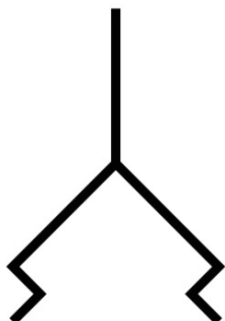


# Suction cup complete ESS-20-BU

Part number: 189379

FESTO



## Data sheet

 [General operating condition](#)

| Feature                                     | Value                                                      |
|---------------------------------------------|------------------------------------------------------------|
| Height compensator for suction cup          | 6 mm                                                       |
| Min. workpiece radius                       | 40 mm                                                      |
| Nominal size                                | 3 mm                                                       |
| Suction cup diameter                        | 20 mm                                                      |
| Suction cup volume                          | 1.6 cm <sup>3</sup>                                        |
| Position of connection                      | Top                                                        |
| Mounting position                           | optional                                                   |
| Symbol                                      | 00991485                                                   |
| Correlation to suction-cup holder           | Size 4                                                     |
| Suction cup shape                           | Round bellows 1.5 convolutions                             |
| 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 | 12.9 N                                                     |
| Lateral force at nominal operating pressure | 9.5 N                                                      |
| Product weight                              | 6.7 g                                                      |
| Type of mounting                            | Via vacuum port                                            |
| Vacuum connection                           | M6                                                         |
| Colour                                      | Blue                                                       |
| Shore hardness                              | 60 +/- 5                                                   |
| Material screwed plug                       | Nickel-plated brass<br>Steel, galvanised and chrome-plated |

| Feature              | Value          |
|----------------------|----------------|
| Note on materials    | RoHS-compliant |
| Material suction cup | PUR            |