

# Suction cup complete ESS-20-SS

Part number: 189296

FESTO



## Data sheet

| Feature                                     | Value                                                       |
|---------------------------------------------|-------------------------------------------------------------|
| Min. workpiece radius                       | 60 mm                                                       |
| Nominal size                                | 3 mm                                                        |
| Suction cup diameter                        | 20 mm                                                       |
| Suction cup volume                          | 0.318 cm <sup>3</sup>                                       |
| Position of connection                      | Top                                                         |
| Mounting position                           | optional                                                    |
| Correlation to suction-cup holder           | Size 4                                                      |
| 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                                          |
| Suitable for use with food                  | See supplementary material information                      |
| Ambient temperature                         | -30 °C...180 °C                                             |
| Holding force at nominal operating pressure | 16.3 N                                                      |
| Lateral force at nominal operating pressure | 10.5 N                                                      |
| Product weight                              | 6.4 g                                                       |
| Type of mounting                            | Via vacuum port                                             |
| Vacuum connection                           | M6                                                          |
| Colour                                      | Transparent                                                 |
| Shore hardness                              | 50 +/- 5                                                    |
| Material screwed plug                       | Nickel-plated brass<br>Steel, galvanised and chrome-plated  |
| Note on materials                           | RoHS-compliant                                              |
| Material suction cup                        | VMQ (silicone)                                              |