

Vacuum suction cup ESS-100-EU

Part number: 189363

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Min. workpiece radius | 200 mm |
| Nominal width | 6 mm |
| Suction cup diameter | 100 mm |
| Suction cup volume | 84.66 cm ³ |
| Connection position | Top |
| Mounting position | Any |
| Symbol | 00991485 |
| Classification of suction cup holder | Size 5 |
| Suction cup shape | Round, extra-deep |
| 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 | 440.8 N |
| Lateral force at nominal operating pressure | 352.5 N |
| Product weight | 228 g |
| Type of mounting | Via vacuum connection |
| Vacuum connection | M10 |
| Color | Blue |
| Shore hardness | 60 +/- 5 |
| Material of screwed plug | POM Steel, nickel-plated Steel, galvanized and chrome-plated |

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