

# Vacuum suction cup

## ESS-20-SF

Part number: 189297

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Min. workpiece radius	60 mm
Nominal width	3 mm
Suction cup diameter	20 mm
Suction cup volume	0.318 cm <sup>3</sup>
Connection position	Top
Mounting position	Any
Symbol	00991485
Classification of suction cup holder	Size 4
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-A1-L
For use in the food industry	See supplementary material information
Ambient temperature	-10 °C ... 200 °C
Holding force at nominal operating pressure	16.3 N
Lateral force at nominal operating pressure	15.5 N
Product weight	6.4 g
Type of mounting	Via vacuum connection
Vacuum connection	M6
Color	Gray
Shore hardness	60 +/- 5
Material of screwed plug	Brass, nickel-plated Steel, galvanized and chrome-plated
Note on materials	RoHS-compliant
Suction cup material	FPM