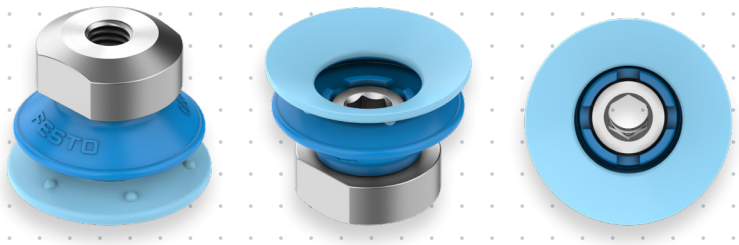
Suction cup OGVN



Highlights

- Hexagon socket for quick mounting
- Abrasion-resistant: polyurethane suction cup
- Advantages of different shore hardnesses combined
- Sustainable thanks to replaceable suction cup material – the connection can be reused
- Connection made from copper-, nickel- and zinc-free materials
- Ideally suited for the packaging, intralogistics and battery industry segments

The special properties of the vacuum suction cups OGVN make them particularly suitable for use in the packaging industry, intralogistics and batteries. This new series of suction cups provides a high level of process reliability, whether they are installed individually to handle small workpieces or in a row with several suction cups.

Sturdy and soft at the same time
The polyurethane vacuum cup is both robust and soft thanks to its different Shore hardnesses. The strong body in typical PUR blue provides stability during acceleration. The light-coloured sealing lips gently even out structured or porous surfaces and heights.

Short on space? Not a problem!
Thanks to the connection with hexagon socket, the suction cup can be replaced quickly and easily, thus increasing your machine availability.

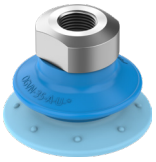
Perfect interaction
Suctioning porous and air-permeable materials is a challenge in the packaging industry and intralogistics. Our combination of the vacuum cup OGVN with the new vacuum generator OVPN for high volume flows is the perfect solution for this challenge.

Additional information:

Product page
Suction cup OGVN
> www.festo.com/catalogue/ogvn

Product page
Vacuum generator OVPN
> www.festo.com/catalogue/ovpn

Mounting options



Mounting via female thread



Mounting via male thread



Bellows without screw fitting

Accessories



Length compensator VAL



Double nipple NPFC



Vacuum security valve ISV

Technical data

Nominal width	4 mm	5 mm	6 mm	8 mm	10 mm
Vacuum connection (round bellows, 1.5 convolutions)	G1/8 Female thread M5	G1/4, G3/8 Female thread G1/8	G1/4	G3/8 Female thread G1/8	G3/8
Suction cup diameter (round bellows, 1.5 convolutions)	20 mm	35 mm	52 mm		75 mm
Vacuum connection (round bellows, 2.5 convolutions)		G1/4, G3/8 Female thread G1/8	G1/4	G3/8 Female thread G1/8	
Suction cup diameter (round bellows, 2.5 convolutions)		35 mm	52 mm		
Suction cup shape	Round bellows, 1.5 convolutions				
Type of mounting	Via vacuum port				
Connection position	Top				
Mounting position	Any				
Suction cup volume	1.04 cm³	4.4 cm³	13.3 cm³		42.8 cm³
Holding force at nominal operating pressure	14.5 N	39.5 N	85 N		173 N
Operating pressure	-95 ... 0 kPa / -0.95 ... 0 bar / -13.775 ... 0 psi				
Nominal operating pressure	-70 kPa / -0.7 bar				
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]				
Ambient temperature	10 ... 45 °C				
Corrosion resistance class (CRC)[1)]	2 - Moderate corrosion stress				
Suction cup material	PUR				
Screw-in fitting material	Wrought aluminium alloy				
Colour	Blue (body) / light blue (suction cup rim)				
Shore hardness	A 30 +/-5 (suction lip) A 70 +/-5 (body)				
Note on materials	RoHS-compliant				
LABS conformity	VDMA24364-Zone III				

1) More information: www.festo.com/x/topic/crc