

Bellows Suction Cups PSPF



Don't worry about wrinkles!

The Suction Cups PSPF for pouches filled with liquids have a particularly soft and flexible sealing lip and can also cope with extremely thin plastic films. The highlights:



Enormous flexibility

The supple and soft sealing lip ensures an optimum seal – even on bags that tend to wrinkle.



2C technology

The high-strength connection of bellows and sealing lip combines sophisticated material properties in one suction cup.



Increased process safety

Interlocking bellows ensure optimum stability and support during rapid cycles.



Perfect (material) mixture

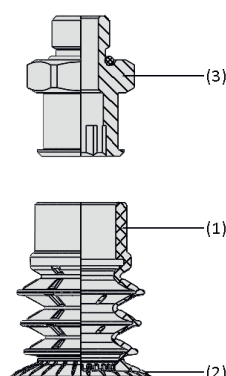
The suction cup is made of FDA-compliant silicone and is suitable for contact with food products.

Bellows Suction Cups PSPF

Suction area (Ø) from 33 mm to 53 mm

Applications

- 2-component bellows suction cup with 3.5 folds for handling very thin and flexible bags
- Use in the handling of liquid, solid or powder-filled pouches and packaging, especially with low filling degrees
- Use in dynamic packaging processes in connection with delta robots, in case packers and pick & place applications



Design

- 2C Bellows Suction Cups PSPF consisting of flexible bellows (1) and a soft and adaptable sealing lip (2)
- Suction cup with 3.5 bellows available in food-grade silicone
- Very large shaft diameter for high flow rates
- Use of one-piece, plug-in connection elements (3)
- Connection element with external thread and integrated sealing ring

Design Bellows Suction Cups PSPF



Designation Code Bellows Suction Cups PSPF

1 – Abbreviated designation

Code	Version
PSPF	3.5 folds

2 – Suction area

Code	Diameter in mm
33...53	ø 33 to 53

3 – Material

Code	Material
SI-30/55	Silicone

4 – Connection

Code	Connection
G1/4-AG	G1/4-AG (AG = male (M))
G1/4-IG	G1/4-IG (IG = female (F))
G3/8-AG	G3/8-AG
G3/8-IG	G3/8-IG
G1/8-AG	G1/8-AG
G1/8-IG	G1/8-IG



Technical Data Bellows Suction Cups PSPF

Type		Suction force (-600 mbar) [N]*	Material hardness sealing lip [Shore A]	Material hardness bellows [Shore A]	Volume [cm³]	Hose diameter (recom.) [mm]**
PSPF	33	24	30	55	7.5	9
PSPF	43	40	30	55	16.7	9
PSPF	53	61	30	55	31.9	12

*The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface without safety factor.

**The recommended hose diameter refers to a hose length of approx. 2 m.