

Bellows suction cup S.B40SF50.XXX.00



- ▶ The lifting movement can be used to separate small and thin objects.
- ▶ Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.
- ▶ Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- ▶ The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.

Lifting force

Description	Vertical			Parallel		
	20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa
Lifting forces	22.0 N	39.0 N	49.0 N	17.1 N	26.3 N	30.5 N

Technical data

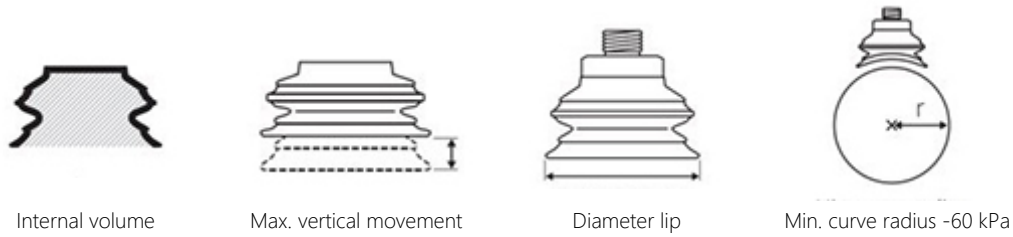
Description	Unit	Value
Internal volume	cm ³	15.0
Weight	g	15
Min. curve radius -60 kPa	mm	20.0
Max. vertical movement	mm	13.5
Application	-	Food contact materials (FDA & EU), non-detectable,
Material	-	Silicone (SIL FDA)
Colour	-	Transparent
Suction cup model	-	B
Suction cup shape	-	Bellows
Hardness °Shore A	-	50 °Shore A
Temperature range (°C)	°C	-40 – 200
Actuated outer diameter, Max	mm	48

Material resistance , Silicone FDA, SIL FDA

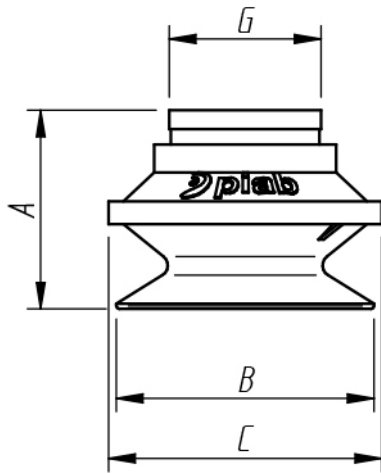
Description	Value
Alcohol	Good
Concentrated Acids	Poor
Ethanol	N/A
Hydrolysis	Fair
Methanol	N/A
Oil	Poor
Oxidation	Excellent
Petrol	Poor
Wear Resistance	Good
Weather & Ozone	Excellent

Values specified in data sheet are tested at:

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Dimensional drawing



Product code	Description	Unit	Value
A	Building height	mm [inch]	28.0 [1.10"]
B	Diameter lip	mm [inch]	43.0 [1.69"]
C	Diameter (bellow)	mm [inch]	46.0 [1.81"]
G	Diameter (upper part cup)	mm [inch]	20.0 [0.79"]

Ordering information

Description	Product code
Bellows suction cup , Ø 40mm, Silicone FDA, SIL FDA, 50 °Shore A, None, None, None, None	S.B40SF50.XXX.00

Ordering information, spare parts

Description	Art. No.
Suction cup B40 Silicone FCM	0200408

Ordering information, accessories

Description	Art. No.
Fitting 1/8" NPSF female, 30–40	3250005
Fitting 1/8" NPSF female, 30–40, with mesh filter	0101153
Fitting 1/8" NPSF female, 30–40, with dual flow control valve	3251006
Fitting 1/8" NPSF female, 30–40, with cone valve	0101156
Fitting 1/8" NPSF female, 30–40, PA	3150197
Fitting G1/4" male, 30–40, with mesh filter	3250091
Fitting G1/4" male, 30–40, with mesh filter and dual flow control valve	3251007
Fitting G3/8" male, 30–40, with mesh filter	3250086
Fitting G3/8" male, 30–40, with mesh and dual flow control valve	3251009
Fitting 5x1/8" NPSF female, 30–40	0100261
Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve	3251011
Fitting 1/4" NPT male, with mesh filter	3250093
Fitting 1/4" NPT male, with dual flow control valve	3251008
Fitting 3/8" NPT male, with mesh filter	3250089
Fitting 3/8" NPT male, with dual flow control valve	3251010
Fitting G1/8" male, 40, with mesh filter	0200714
Suction cup B40 Chloroprene	0101105
Suction cup B40 Silicone	0101106
Suction cup B40 HNBR	0108081
Suction cup B40MF Thermoelastic polyurethane	0101113