

Piab Bellows suction cup

S.B110SF50.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	20 -kPa	Vertical 60 -kPa	90 -kPa
Lifting forces	137.0 N	343.0 N	461.0 N

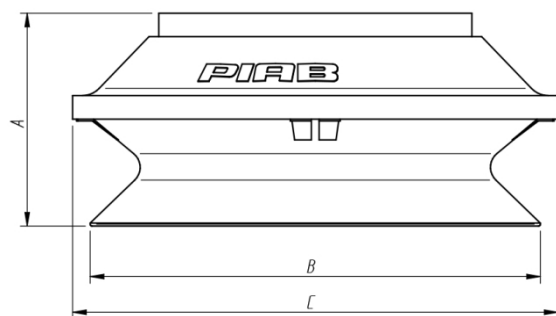
Technical data

Description	Unit	Value
Internal volume	cm ³	310.0
Weight	g	130
Min. curve radius -60 kPa	mm	60.0
Max. vertical movement	mm	34.6
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	129

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

Dimensional drawing



Product code	Description	Unit	Value
A	Building height	mm [inch]	54.3 [2.14"]
B	Diameter lip	mm [inch]	115.0 [4.53"]
C	Diameter (bellow)	mm [inch]	124.0 [4.88"]

Ordering information

Description	Product code
Bellows suction cup , Ø 110mm, Silicone FDA, SIL FDA, 50 °Shore A, None, None, None, None	S.B110SF50.XXX.00

Ordering information, spare parts

Description	Art. No.
Suction cup B110 Silicone FCM	0200246

Ordering information, accessories

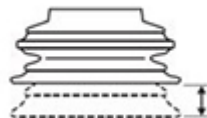
Description	Art. No.
Fitting 110, G1/2" female, with mesh filter	0100561
Fitting 110, 3/8" NPSF female, with mesh filter	0100559
Fitting 110 G3/8" female, with mesh filter	0100557
Suction cup B110 Nitrile-PVC	3150108P
Suction cup B110 HNBR	3150108T
Suction cup B110 Silicone	3150108S

Values specified in data sheet are tested at:

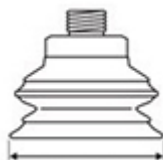
- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Internal volume



Max. vertical movement



Diameter lip



Min. curve radius -60 kPa

Storage guidelines (scan QR code)

