

Piab Bellows suction cup

S.B75HN75.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.

Lifting force

Description	Vertical			Parallel		
	20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa
Lifting forces	74.0 N	167.0 N	226.0 N	62.4 N	122.4 N	154.1 N

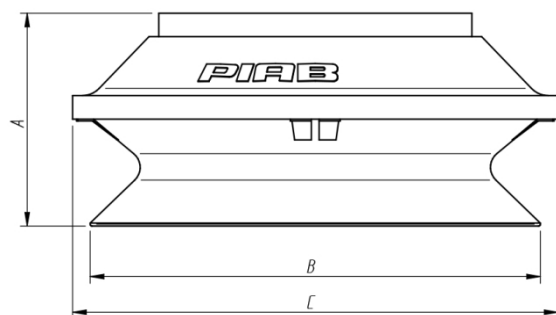
Technical data

Description	Unit	Value
Internal volume	cm ³	110.0
Weight	g	38
Min. curve radius -60 kPa	mm	40.0
Max. vertical movement	mm	24.0
Application	-	Dry sheet metal, Glass handling, High/low temp cup (plastic), Plastic injection molded parts,
Material	-	Hydrogenated Nitrile (HNBR)
Colour	-	Blue
Suction cup model	-	B
Suction cup shape	-	Bellows
Hardness °Shore A	-	75 °Shore A
Temperature range (°C)	°C	-30 – 140
Actuated outer diameter, max	mm	87

Material resistance , Hydrogenated Nitrile, HNBR

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

Dimensional drawing



Product code	Description	Unit	Value
A	Building height	mm [inch]	37.3 [1.47"]
B	Diameter lip	mm [inch]	78.0 [3.07"]
C	Diameter (bellow)	mm [inch]	83.0 [3.27"]

Ordering information

Description	Product code
Bellows suction cup , Ø 75mm, Hydrogenated Nitrile, HNBR, 75 °Shore A, None, None, None, None	S.B75HN75.XXX.00

Ordering information, spare parts

Description	Art. No.
Suction cup B75 HNBR	3150107T

Ordering information, accessories

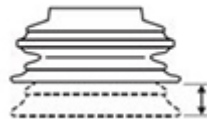
Description	Art. No.
Fitting 75, 1/8" NPSF female, with mesh filter	0100548
Fitting 75, 3/8" NPSF female, with mesh filter	0100553
Fitting 75, G1/2" female, with mesh filter	0100555
Fitting 75, G3/8" female, with mesh filter	0100551
Suction cup B75 Nitrile-PVC	3150107P
Suction cup B75 Silicone	3150107S
Suction cup B75 Silicone FCM	0200245

Values specified in data sheet are tested at:

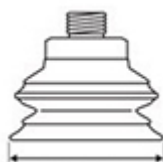
- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Internal volume



Max. vertical movement



Diameter lip



Min. curve radius -60 kPa

Storage guidelines (scan QR code)

