

# 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 <sup>3</sup>	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

### 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

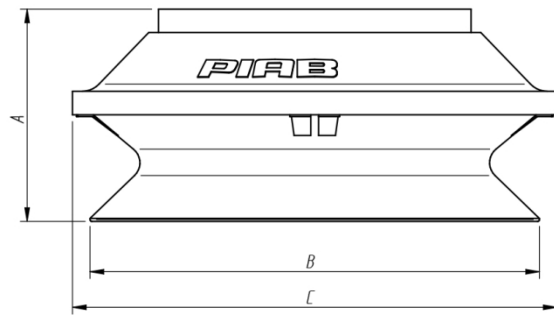


Diameter lip



Min. curve radius -60 kPa

### 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
<b>Bellows suction cup</b> , 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

### Storage guidelines (scan QR code)

