

# Datasheet

## Suction cup OB65x170P Polyurethane 60, thread insert G3/8" with mesh filter for Vacuum Gripper System (VGS)

Item number: OB65X170P.5E.G40M



- Suitable for level adjustment. Can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- Lifting movement to separate small and thin objects.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

### Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Mark Free
Suction cup design	-	Oval
Characteristics	-	Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	8.50
Suction cup model	-	OB
Volume	in <sup>3</sup>	10.68
Height	in	2.028
Length	in	6.97
Outer diameter, min.	in	6.97
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Width	in	2.99
Suction cup model	-	OB65x170P PU60
Movement, vertical max.	in	0.63
Curve radius, min.	in	1.50

### Performance - Lifting forces

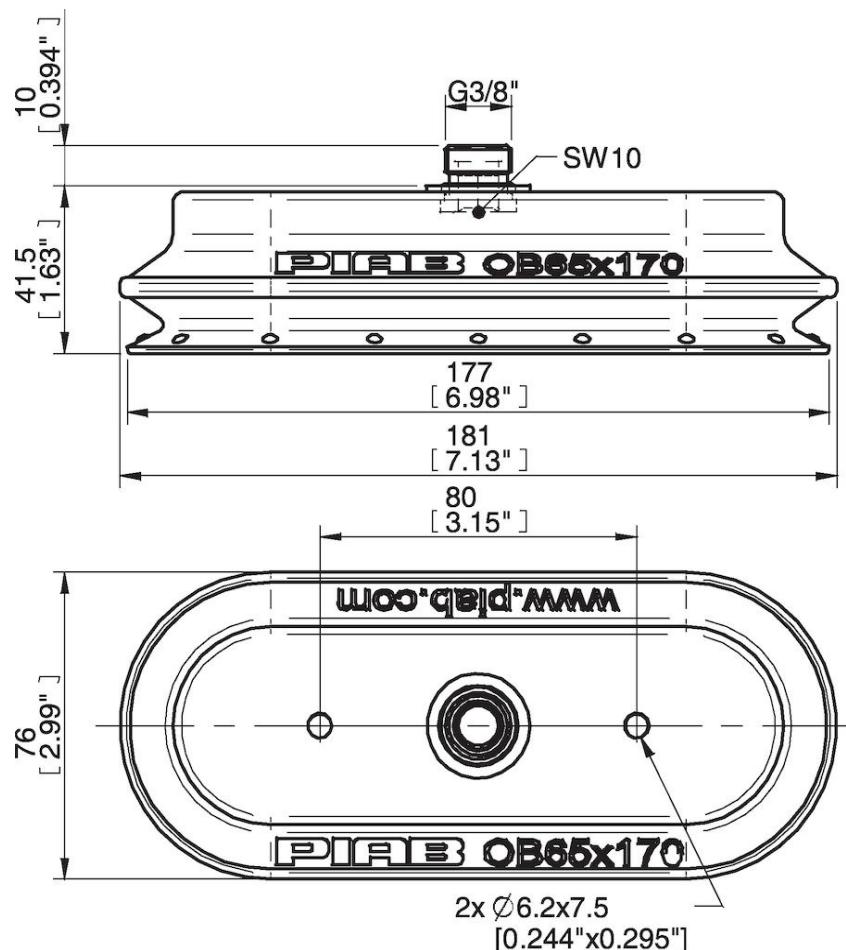
OB65x170P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	29.23	38.22
17.72 -inHg	69.69	98.92
26.58 -inHg	119.82	134.89

<b>Material</b>	
Name	Polyurethane (PU60)
Color	Green transparent
Temperature, min.   °F	50.0
Temperature max.   °F	122.0
Hardness   °Shore A	60

#### Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	Fair
Wear resistance	Excellent
Weather and ozone	Excellent

#### Dimensional drawings



#### Values specified in this data sheet are tested at (unless otherwise stated):

- 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.

#### Accessories

OB65X170P.5K | Suction cup OB65x170P Polyurethane 30/60 with collar for Vacuum Gripper System (VGS)

## Spare parts

01.07.148 | Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)  
OB65X170P.5E | Suction cup OB65x170P Polyurethane 60 with collar for Vacuum Gripper System (VGS)