

# Datasheet

## Suction cup BX75P Polyurethane 30/60 with filter, thread insert G1/8" male

Item number: BX75P.5K.G60.F



- Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- 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.
- Filter disk made of polyester PES4/14 and TPE.

### Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Dry sheet metal, Corrugated cardboard/Paperboard, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	2.50
Suction cup model	-	BX-P
Volume	in <sup>3</sup>	4.88
Height	in	2.37
Outer diameter, min.	in	3.051
Fitting size	-	1/8"
Fitting option	-	Filter
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	BX75P PU30 PU60
Movement, vertical max.	in	1.024
Curve radius, min.	in	0.91

### Performance - Lifting forces

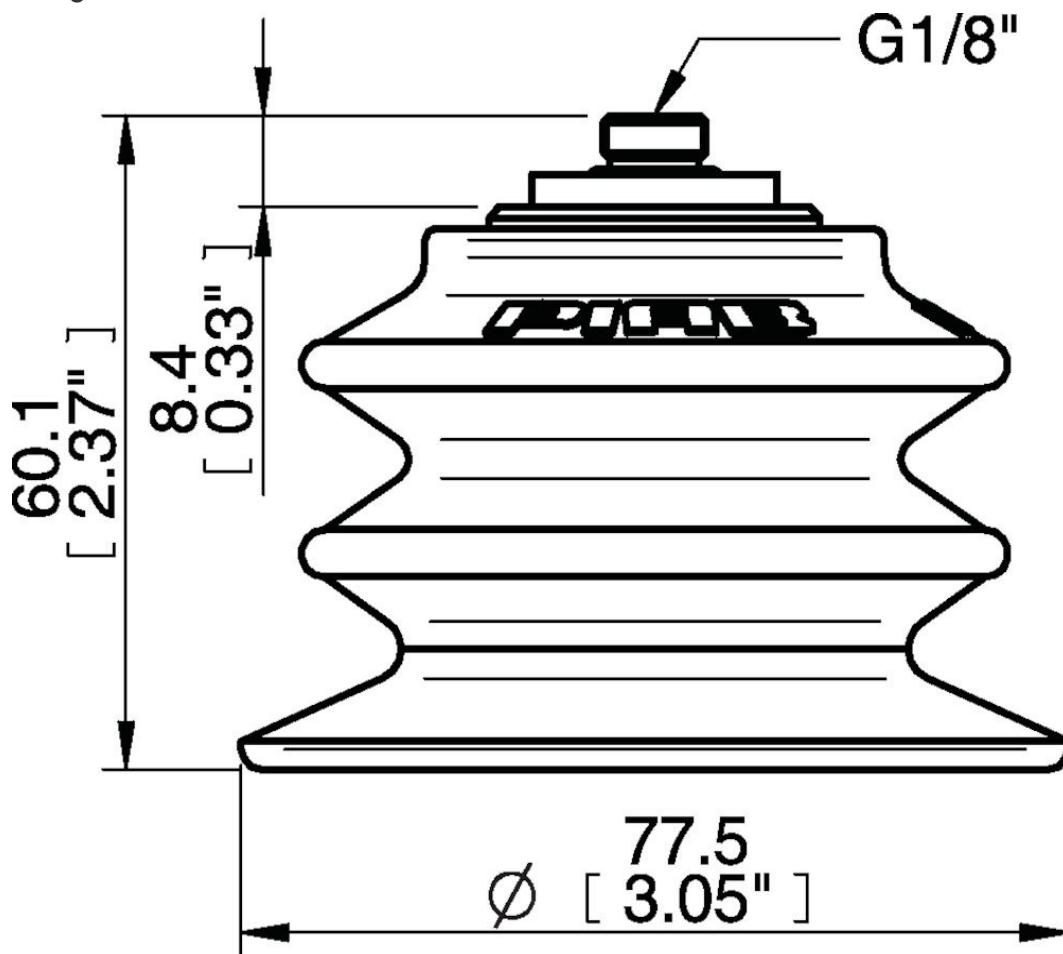
	Vertical (lb)	Parallel (lb)
BX75P PU30 PU60		
5.91 -inHg	13.94	8.77
17.72 -inHg	24.73	18.66
26.58 -inHg	31.70	26.078

<b>Material</b>		
Name	Polyurethane (PU30)	Polyurethane (PU60)
Color	Yellow	Green transparent
Temperature, min.   °F	50.0	50.0
Temperature max.   °F	122.0	122.0
Hardness   °Shore A	30	60

#### **Material resistance**

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

01.06.797 | Thread insert G3/8" male, with O-ring for Vacuum Gripper System (VGS)

BX75P.5E.F | Suction cup BX75P Polyurethane 60 with filter, for thread insert for Vacuum Gripper System (VGS)

02.01.077 | Thread insert G1/4" male, with O-ring and mesh filter

## Spare parts

BX75P.5K.F | Suction cup BX75P Polyurethane 30/60 with filter, for thread insert for Vacuum Gripper System (VGS)

02.00.716 | Thread insert G1/8" male, with O-ring and mesh filter

02.01.003 | Suction cup filter BX75P, 10 pcs