

# Datasheet

## Suction cup BX52P Polyurethane 60 with filter, 5x1/8" NPSF female, with dual flow control valve

Item number: BX52P.4E.05DF.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	0.85
Suction cup model	-	BX-P
Volume	in <sup>3</sup>	1.83
Leakage flow, max.	scfm	0.34
Height	in	2.24
Outer diameter, min.	in	2.087
Fitting size	-	5x1/8"
Fitting option	-	Dual flow control valve, Filter disc
Fitting style	-	Female
Fitting type	-	NPSF-thread
Valve restriction	in	0.039
Suction cup model	-	BX52P PU60
Movement, vertical max.	in	0.75
Curve radius, min.	in	1.26

### Performance - Lifting forces

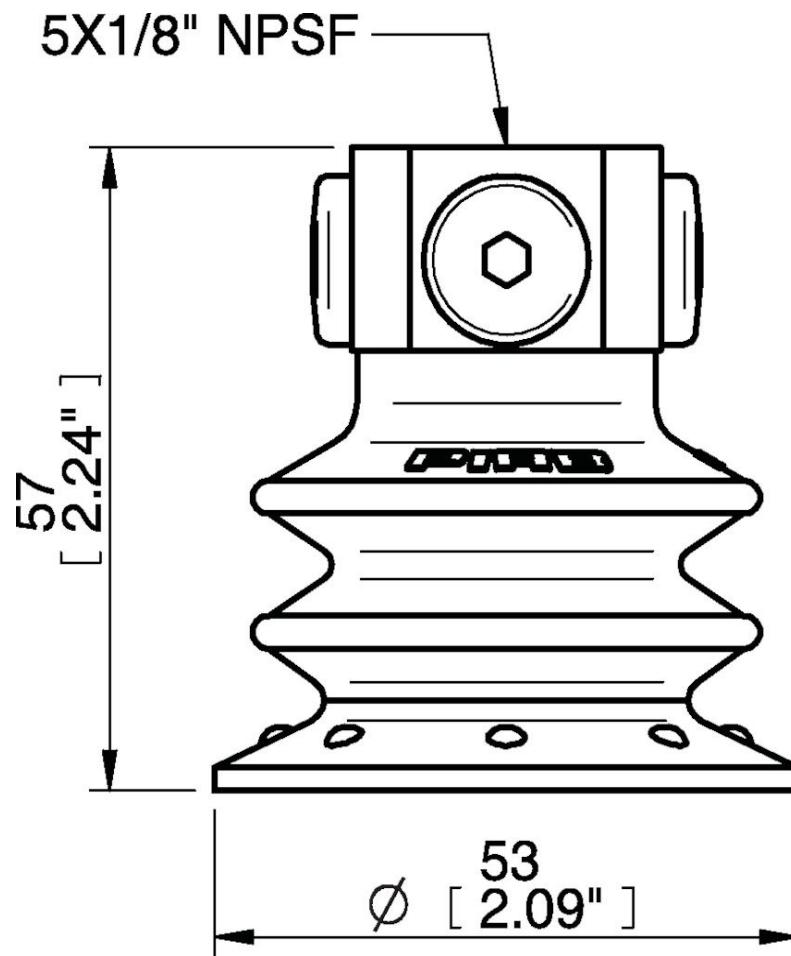
BX52P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	7.87	6.070
17.72 -inHg	13.26	11.016
26.58 -inHg	17.98	12.59

<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

05AF | Fitting 5x1/8" NPSF female, 50  
05AG | Fitting 1/8" NPSF female, 50, with mesh filter  
BX52P.4K | Suction cup BX52P Polyurethane 30/60  
BX52P.4K.F | Suction cup BX52P Polyurethane 30/60, with filter  
BX52P.4E | Suction cup BX52P Polyurethane 60  
05AI | Fitting G1/8" male, 50, with mesh filter  
05AA | Fitting 1/8" NPSF female, 50  
05AD | Fitting G3/8" male, 50, with mesh filter  
05AE | Fitting 3/8" NPT male, with mesh filter  
05AB | Fitting G1/4" male, 50, with mesh filter  
05AC | Fitting 1/4" NPT male, with mesh filter  
05DA | Fitting 1/8" NPSF female, 50, with dual flow control valve  
05DB | Fitting G1/4" male, with dual flow control valve  
05DC | Fitting 1/4" NPT male, with dual flow control valve  
05DD | Fitting G3/8" male, 50, with mesh filter and dual flow control valve  
05DE | Fitting 3/8" NPT male, with dual flow control valve

## Spare parts

BX52P.4E.F | Suction cup BX52P Polyurethane 60, with filter  
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve  
02.01.002 | Suction cup filter BX52P, 10 pcs