

## Suction cup BX52P Polyurethane 60 with filter, G1/4" male, with dual flow control valve

Item number: BX52P.4E.05DB.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              | 2.13                                                                                        |
| Outer diameter, min.    | in              | 2.087                                                                                       |
| Fitting size            | -               | 1/4"                                                                                        |
| Fitting option          | -               | Dual flow control valve, Filter disc, Filter mesh                                           |
| Fitting style           | -               | Male                                                                                        |
| Fitting type            | -               | G-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

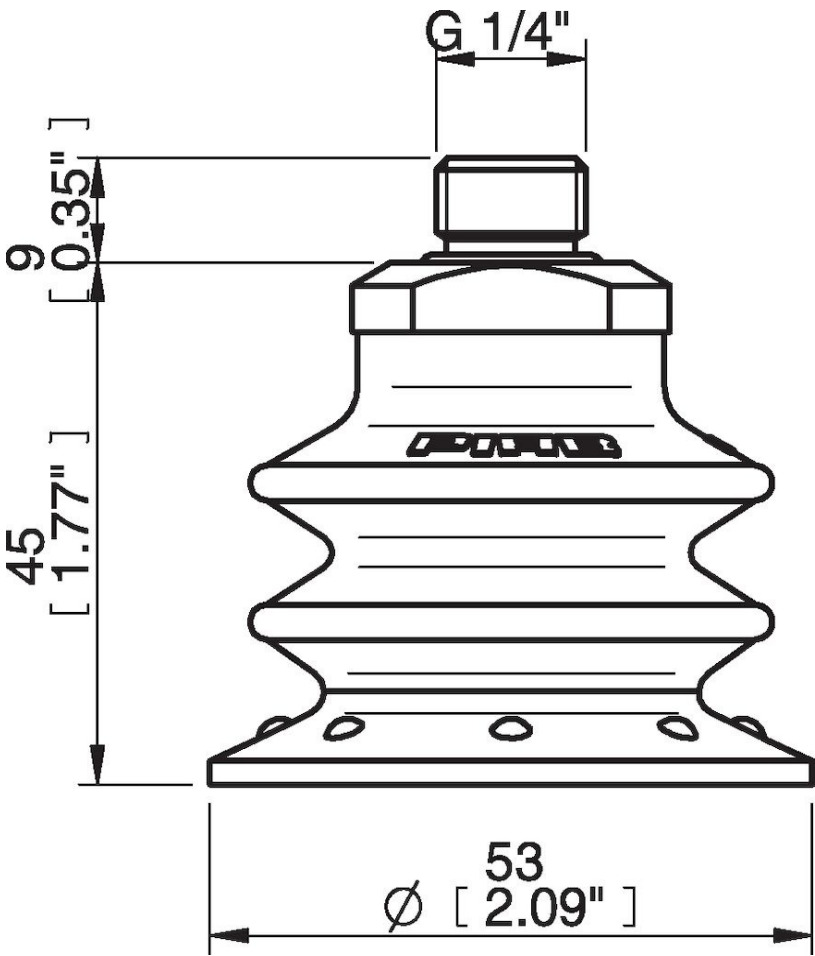
| BX52P PU60  | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 7.87          | 6.070         |
| 17.72 -inHg | 13.26         | 11.016        |
| 26.58 -inHg | 17.98         | 12.59         |

| Material               |                     |
|------------------------|---------------------|
| 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  
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  
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve

## Spare parts

BX52P.4E.F | Suction cup BX52P Polyurethane 60, with filter  
05DB | Fitting G1/4" male, with dual flow control valve  
02.01.002 | Suction cup filter BX52P, 10 pcs