

# Suction cup BX25P Polyurethane 30/60, with filter

Item number: BX25P.4K.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, Mark Free, Plastic injection molded parts |
| Suction cup design      | -               | Round                                                                                       |
| Characteristics         | -               | Dry sheet metal, Corrugated / cardboard, Mark free, Plastic injection molded parts          |
| Material                | -               | Polyurethane (PU)                                                                           |
| Weight, min.            | oz              | 0.11                                                                                        |
| Suction cup model       | -               | BX-P                                                                                        |
| Volume                  | in <sup>3</sup> | 0.18                                                                                        |
| Height                  | in              | 0.75                                                                                        |
| Outer diameter, min.    | in              | 1.024                                                                                       |
| Fitting size            | -               | None                                                                                        |
| Fitting option          | -               | Filter disc                                                                                 |
| Fitting style           | -               | None                                                                                        |
| Fitting type            | -               | None                                                                                        |
| Suction cup model       | -               | BX25P PU30 PU60                                                                             |
| Movement, vertical max. | in              | 0.33                                                                                        |
| Curve radius, min.      | in              | 0.24                                                                                        |

Performance - Lifting forces

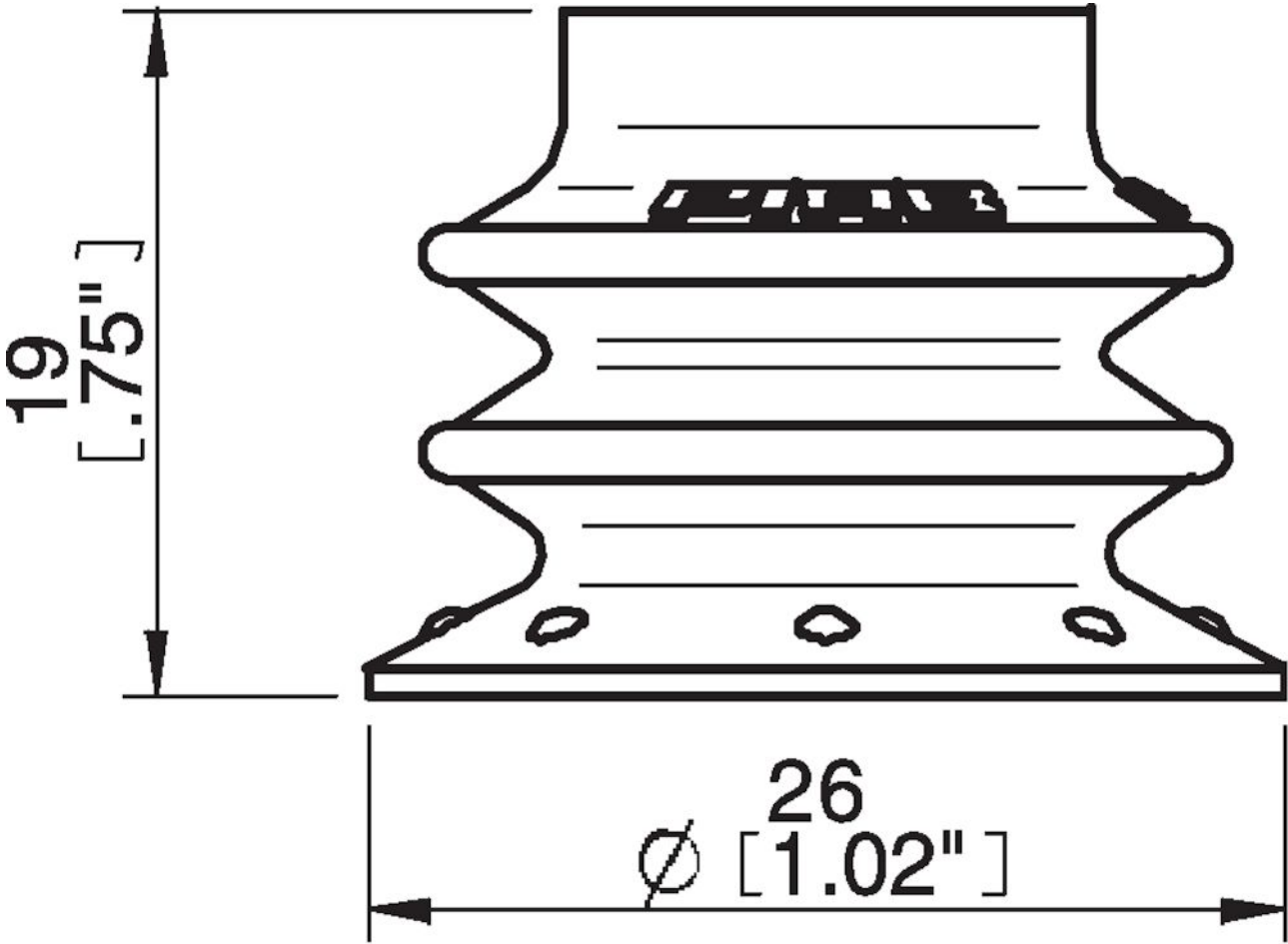
| BX25P PU30 PU60 | Vertical (lb) | Parallel (lb) |
|-----------------|---------------|---------------|
| 5.91 -inHg      | 1.80          | 1.12          |
| 17.72 -inHg     | 2.92          | 2.25          |
| 26.58 -inHg     | 3.82          | 2.70          |

| Material               |                     |                     |
|------------------------|---------------------|---------------------|
| 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**

02AE | Fitting 5xM5 female

02AF | Fitting G1/8" male/M5 female, with mesh filter

02AA | Fitting M5 female

02AD | Fitting G1/8" male/M5 female

02AB | Fitting G1/8" male, with mesh filter

02AC | Fitting 1/8" NPT male, with mesh filter

02DA | Fitting M5 female, with dual flow control valve

02DC | Fitting 1/8" NPT male, with dual flow control valve

02DD | Fitting G1/8" male/M5 female, with dual flow control valve

02DE | Fitting 5xM5 female, with dual flow control valve

### **Spare parts**

BX25P.4K | Suction cup BX25P Polyurethane 30/60

02.01.000 | Suction cup filter BX25P, 10 pcs