

# Suction cup BXF90P Polyurethane 60, 3/8" NPT female with mesh filter

Item number: BXF90P.5Y.N49MR



Technical data

| Description              | Unit            | Value                   |
|--------------------------|-----------------|-------------------------|
| Suction cup shape        | -               | Bellows                 |
| Application              | -               | Oily sheet metal        |
| Suction cup design       | -               | Round                   |
| Characteristics          | -               | Oily sheet metal        |
| Material                 | -               | Polyurethane (PU)       |
| Weight, min.             | oz              | 5.32                    |
| Suction cup model        | -               | BXF                     |
| Volume                   | in <sup>3</sup> | 10.98                   |
| Height                   | in              | 3.50                    |
| Outer diameter, min.     | in              | 3.54                    |
| Outer diameter, actuated | in              | 3.63                    |
| Fitting size             | -               | 3/8"                    |
| Fitting option           | -               | Filter mesh             |
| Fitting style            | -               | Female                  |
| Fitting type             | -               | NPT-thread              |
| Fitting material         | -               | Al                      |
| Suction cup model        | -               | BXF90P Dry metal sheet  |
| Movement, vertical max.  | in              | 1.96                    |
| Curve radius, min.       | in              | 6.30                    |
| Suction cup model        | -               | BXF90P Oily metal sheet |
| Movement, vertical max.  | in              | 1.96                    |
| Curve radius, min.       | in              | 6.30                    |

Performance - Lifting forces

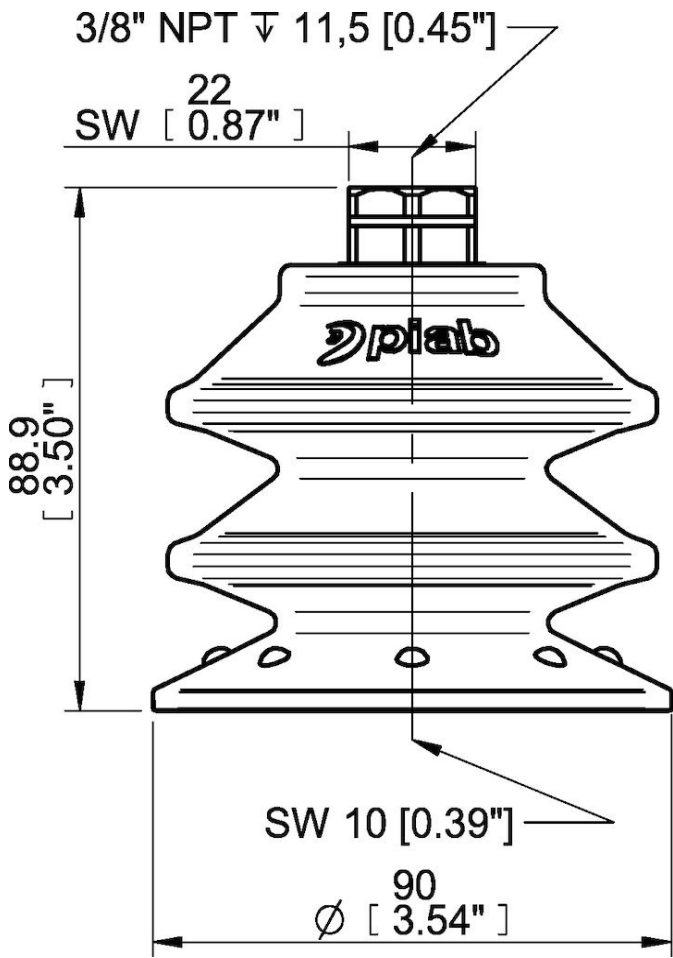
|                         | Vertical (lb) | Parallel (lb) |
|-------------------------|---------------|---------------|
| BXF90P Dry metal sheet  |               |               |
| 17.72 -inHg             | 37.99         | 18.88         |
| 26.58 -inHg             | 51.93         | 20.68         |
| BXF90P Oily metal sheet |               |               |
| 17.72 -inHg             | 37.77         | 20.68         |
| 26.58 -inHg             | 50.58         | 23.16         |

| Material               |                     |
|------------------------|---------------------|
| Name                   | Polyurethane (PU60) |
| Color                  | Orange              |
| 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.