

# Datasheet

## Suction cup BFFT60P-2 Polyurethane 60/60/30 G3/8" female with mesh filter 17 mm thread

Item number: BFFT60P.5V.G78MR



### Technical data

| Description              | Unit            | Value                             |
|--------------------------|-----------------|-----------------------------------|
| Suction cup shape        | -               | Bellows                           |
| Application              | -               | Oily sheet metal, Dry sheet metal |
| Suction cup design       | -               | Round                             |
| Characteristics          | -               | Oily sheet metal, Dry sheet metal |
| Material                 | -               | Polyurethane (PU)                 |
| Weight, min.             | oz              | 3.051                             |
| Suction cup model        | -               | BFFT                              |
| Volume                   | in <sup>3</sup> | 2.075                             |
| Height                   | in              | 1.94                              |
| Height 2 (Actuated)      | in              | 1.41                              |
| Outer diameter, min.     | in              | 2.44                              |
| Outer diameter, actuated | in              | 2.56                              |
| Fitting size             | -               | 3/8"                              |
| Fitting option           | -               | Filter disc                       |
| Fitting style            | -               | Female                            |
| Fitting type             | -               | G-thread                          |
| Suction cup model        | -               | BFFT60P-2 Oily metal sheet        |
| Movement, vertical max.  | in              | 0.51                              |
| Curve radius, min.       | in              | 1.18                              |
| Suction cup model        | -               | BFFT60P-2 Dry metal sheet         |
| Movement, vertical max.  | in              | 0.51                              |
| Curve radius, min.       | in              | 1.18                              |

### Performance - Lifting forces

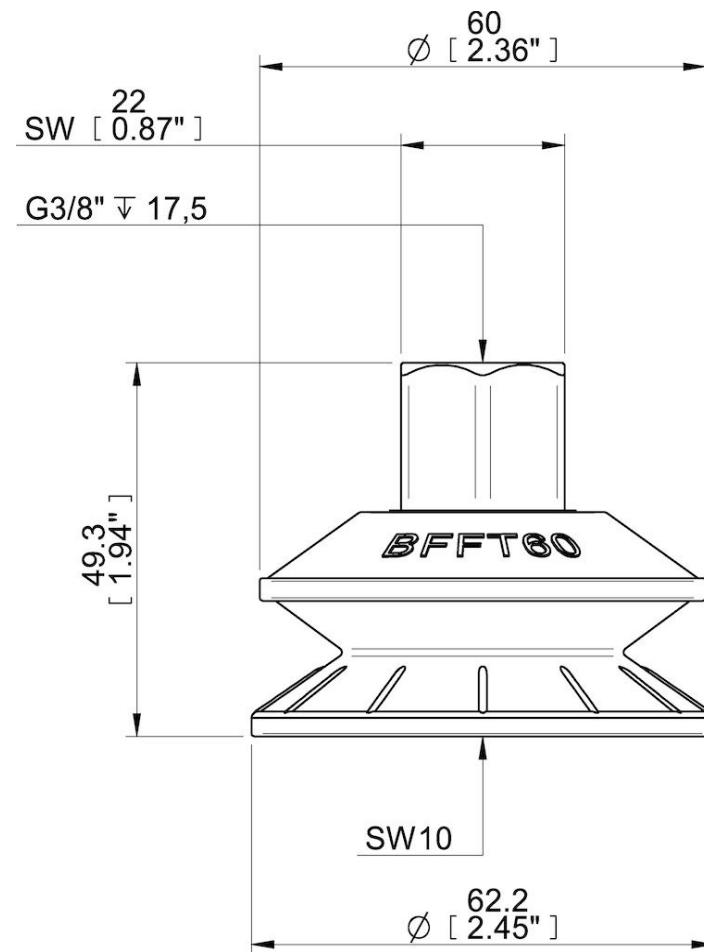
| BFFT60P-2 Oily metal sheet | Vertical (lb) | Parallel (lb) |
|----------------------------|---------------|---------------|
| 17.72 -inHg                | 29.00049      | 14.25         |
| 26.58 -inHg                | 31.70         | 19.69         |
| BFFT60P-2 Dry metal sheet  |               |               |
| 5.91 -inHg                 | 11.24         | 10.027        |
| 17.72 -inHg                | 29.23         | 18.55         |
| 26.58 -inHg                | 32.13         | 20.82         |

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

#### **Material resistance**

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