

# Datasheet

## Suction cup BFFT90P Polyurethane 60/60/30, 3/8" NPT female, with mesh filter

Item number: BFFT90P.5V.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	3.51
Suction cup model	-	BFFT
Volume	in <sup>3</sup>	5.10
Height	in	2.13
Outer diameter, min.	in	3.66
Outer diameter, actuated	in	3.76
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPT-thread
Suction cup model	-	BFFT90P Oily metal sheet
Movement, vertical max.	in	0.89
Curve radius, min.	in	5.12
Suction cup model	-	BFFT90P Dry metal sheet
Movement, vertical max.	in	0.89
Curve radius, min.	in	5.12

### Performance - Lifting forces

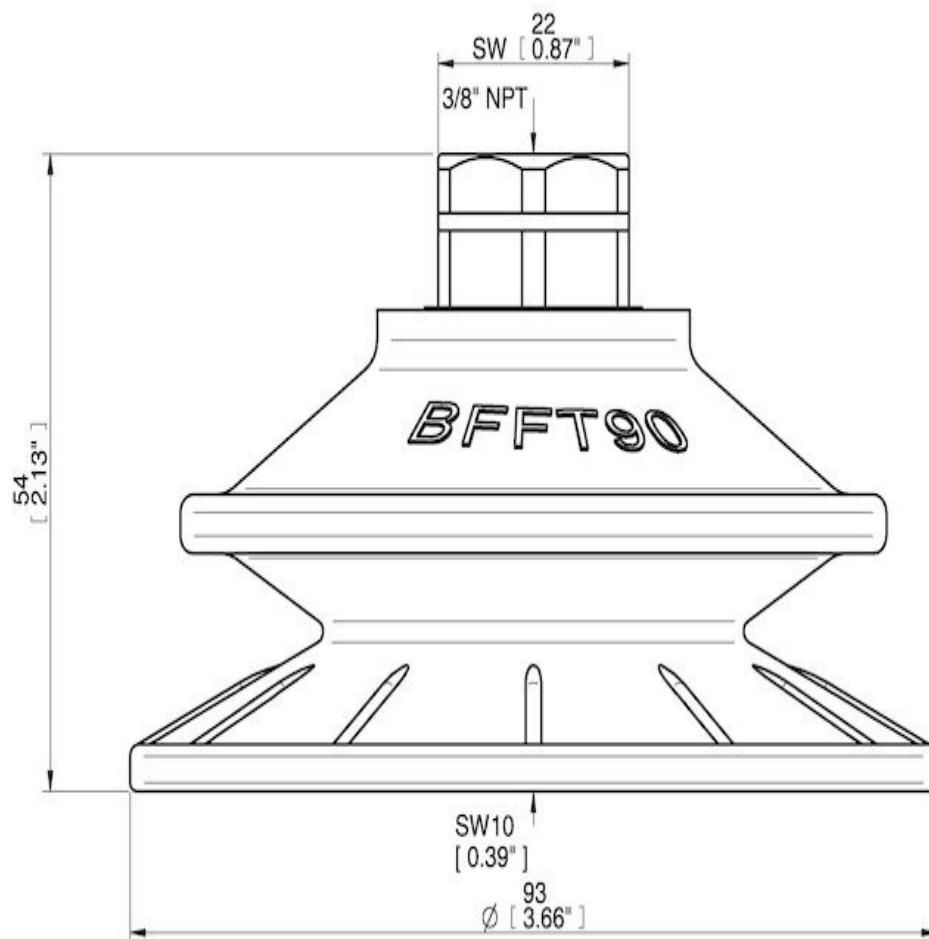
	Vertical (lb)	Parallel (lb)
BFFT90P Oily metal sheet		
17.72 -inHg	41.37	38.44
26.58 -inHg	51.71	52.16
BFFT90P Dry metal sheet		
17.72 -inHg	41.37	61.37
26.58 -inHg	51.26	81.83

<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.