

Suction cup BXF105P Polyurethane 60, 3/8" NPT female with mesh filter

Item number: BXF105P.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	7.49
Suction cup model	-	BXF
Volume	in ³	17.33
Height	in	4.020
Outer diameter, min.	in	4.13
Outer diameter, actuated	in	4.25
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPT-thread
Fitting material	-	Al
Suction cup model	-	BXF105P Dry metal sheet
Movement, vertical max.	in	2.22
Curve radius, min.	in	9.055
Suction cup model	-	BXF105P Oily metal sheet
Movement, vertical max.	in	2.22
Curve radius, min.	in	9.055

Performance - Lifting forces

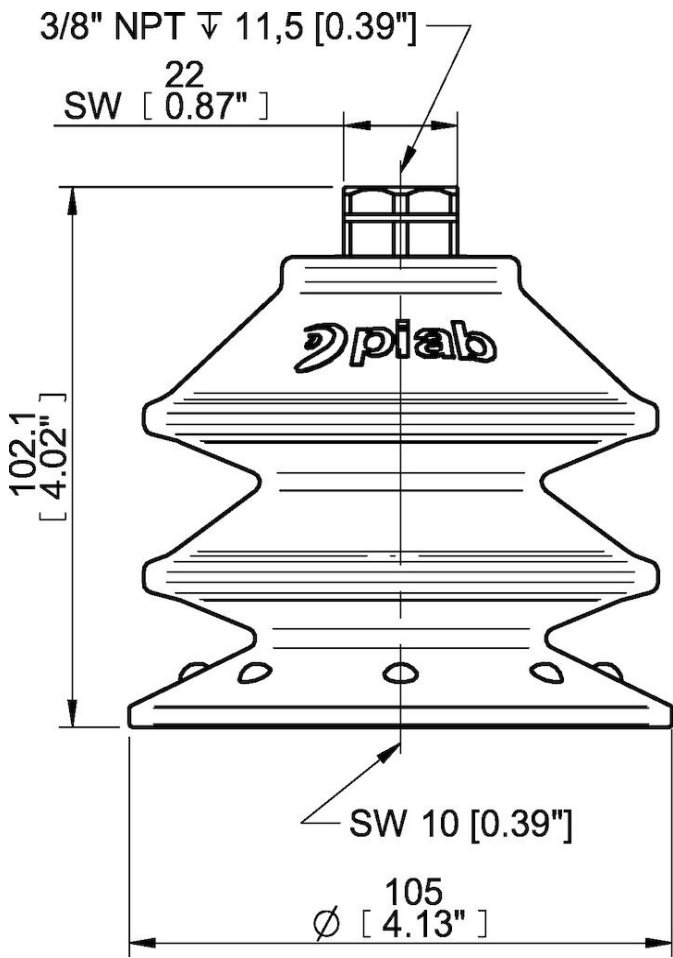
	Vertical (lb)	Parallel (lb)
BXF105P Dry metal sheet		
17.72 -inHg	48.78	23.61
26.58 -inHg	63.40	25.63
BXF105P Oily metal sheet		
17.72 -inHg	53.50	28.10
26.58 -inHg	70.59	29.00049

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] $\pm$ 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] $\pm$ 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.