

Datasheet

Suction cup F75P Polyurethane 60, 1/8" NPSF female, with mesh filter

Item number: F75P.4E.07NA



- Suitable for flat and rough surfaces.
- Fair stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- 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.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	1.87
Suction cup model	-	F
Volume	in ³	1.16
Height	in	1.024
Outer diameter, min.	in	3.031
Outer diameter, actuated	in	3.15
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	F75P PU60
Movement, vertical max.	in	0.079
Curve radius, min.	in	5.91

Performance - Lifting forces

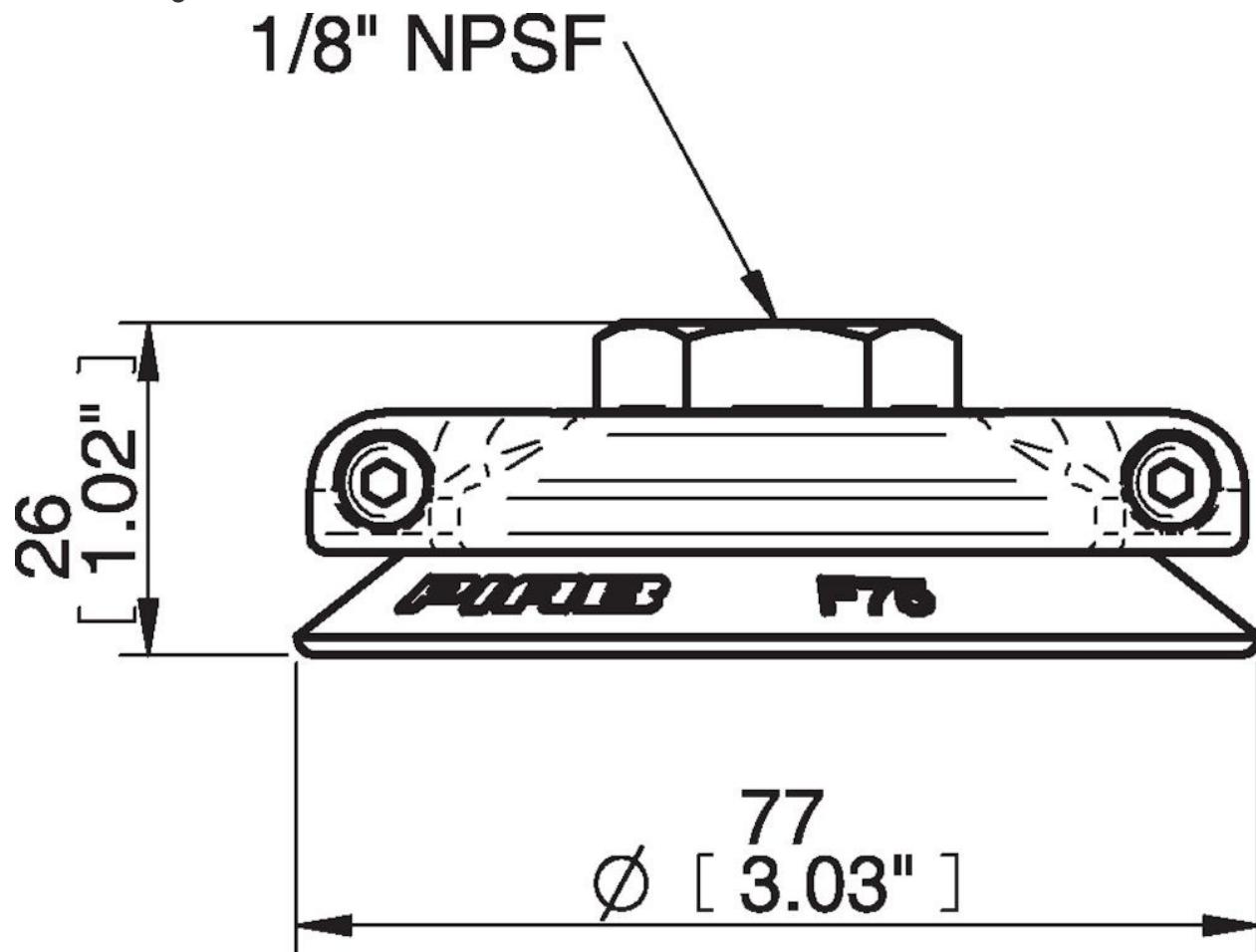
F75P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	18.43	10.57
17.72 -inHg	51.93	25.40
26.58 -inHg	74.19	37.99

Material	
Name	Polyurethane (PU60)
Color	Green transparent
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.

Accessories

07ND | Fitting 75, G3/8" female, clamp ring with mesh filter
07VD | Fitting 75, G3/8" female, with cone valve
07NE | Fitting 75, 3/8" NPSF female, with mesh filter
07NF | Fitting 75, G1/2" female, clamp ring with mesh filter
F75P.4K | Suction cup F75P Polyurethane 30/60
F75P.5K | Suction cup F75P Polyurethane 30/60 with collar for Vacuum Gripper System (VGS)
01.07.148 | Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)
F75P.5E | Suction cup F75P Polyurethane 60 with collar for Vacuum Gripper System (VGS)

Spare parts

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter
01.00.729 | Cone Valve for Fitting 75
F75P.4E | Suction cup F75P Polyurethane 60