

Datasheet

Suction cup F75 Silicone, 3/8" NPSF female Al, with mesh filter

Item number: F75.20.07UB



- FDA/EU compliant silicone for regulated industries
- Flat design for secure, stable handling
- Resistant to chemicals and high temperatures
- Hygienic and easy to clean
- Ideal for food, pharma, and sensitive applications
- Recommended when the lifting force is parallel to the surface of the object.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Suction cup design	-	Round
Characteristics (for filtering)	-	High/low temp cup (plastic)
Material	-	Silicone (SIL)
Weight, min.	oz	0.81
Suction cup model	-	F
Volume	in ³	1.22
Height	in	1.024
Outer diameter, min.	in	3.031
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Fitting material	-	Al
Suction cup model	-	F75
Movement, vertical max.	in	0.12
Curve radius, min.	in	5.91

Performance - Lifting forces

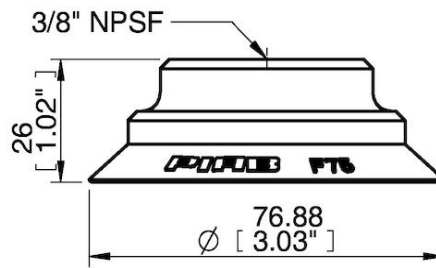
F75	Vertical (lb)	Parallel (lb)
5.91 -inHg	17.98	13.49
17.72 -inHg	44.96	24.73
26.58 -inHg	60.7	31.47

Material	
Name	Silicone. SIL 50° Shore A
Color	Red
Temperature, min. °F	-40
Temperature max. °F	392
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	Not applicable
Hydrolysis	Fair
Methanol	Not applicable
Oil	Poor
Oxidation	Excellent
Gasoline	Poor
Wear resistance	Good
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

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter

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

07VF | Fitting 75, G1/2" female, with cone valve

F75.30 | Suction cup F75 Nitrile-PVC

F75.37 | Suction cup F75 HNBR

Spare parts

F75.20 | Suction cup F75 Silicone