

# Suction cup F20MF Thermoelastic polyurethane, G1/8" male, with mesh filter and dual flow control valve, 0101288



- Suction cup of TPU, a mark free material that leaves no trace on the object being handled.
- Suitable for flat surfaces.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.

## General

Curve radius	18 mm
Movement, vertical max.	1.2 mm
Application	Mark Free
Leakage flow, max.	0.06 l/s
Material	Thermoplastic Polyurethane (TPE-U)
Suction cup model	F-MF
Suction cup shape	Flat
Valve restriction	0.7 mm
Volume	1 cm <sup>3</sup>
Weight	1.2 g

## Fitting

Fitting size	1/8"
Fitting style	Male
Fitting type	G-thread
Fitting option	Dual flow control valve, Filter mesh

## Dimension

Height	20 mm
Outer diameter	22 mm
Outer diameter, actuated	23.2 mm

## Performance — lifting forces

		
20 -kPa	3.6 N	8 N
60 -kPa	14.5 N	14.5 N
90 -kPa	22 N	21 N

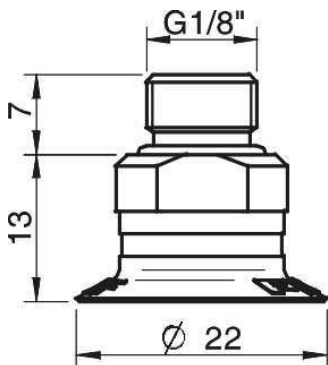
## Material

	Thermoplastic Polyurethane (TPE-U)
Colour	White transparent
Hardness	81 °Shore A
Temperature	-20 – 80 °C

## Material resistance

	Thermoplastic Polyurethane (TPE-U)
Alcohol	++
Concentrated acids	-
Ethanol	N/A
Hydrolysis	-
Methanol	N/A
Oil	+++
Oxidation	++
Petrol	-
Wear resistance	+++
Weather and ozone	+++

## Dimensional drawings



## Values specified in the data sheet are tested at:

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	0-100%
Compressed air quality	DIN ISO 8573-1 class 4

## Spare parts

	Item no.
Suction cup F20MF Thermoelastic polyurethane	0101139

## Accessories

	Item no.
Fitting M5 female, with dual flow control valve	3251001
Fitting M5 female	3250003
Fitting G1/8" male/M5 female, with mesh filter	0101152
Fitting G1/8" male/M5 female, with dual flow control valve	3251004
Fitting G1/8" male/M5 female, PA	3150196
Fitting G1/8" male, with mesh filter	3250085
Fitting 5xM5 female, with dual flow control valve	3251005
Fitting 5xM5 female	0100260
Fitting 1/8" NPT male, with mesh filter	3250088
Fitting 1/8" NPT male, with dual flow control valve	3251003
Fitting G1/8" male/M5 female	3250004