

# Suction cup F50-2 Nitrile-PVC, G1/4" male, with mesh filter and dual flow control valve



, F50-2.30.05DB



- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

## General

Curve radius	2.17 in
Movement, vertical max.	0.09 in
Application	Dry sheet metal
Leakage flow, max.	0.34 scfm
Material	Nitrile-PVC (NPV)
Suction cup model	F
Suction cup shape	Flat
Valve restriction	0.04 in
Volume	0.61 in <sup>3</sup>
Weight	0.49 oz

## Fitting

Fitting size	1/4"
Fitting style	Male
Fitting type	G-thread
Fitting option	Dual flow control valve, Filter mesh

## Dimension

Height	1.28 in
Outer diameter	2.09 in
Outer diameter, actuated	2.15 in

## Performance — lifting forces

		
6 -inHg	8.09 lbf	5.4 lbf
18 -inHg	16.6 lbf	8.99 lbf
27 -inHg	21.6 lbf	11.2 lbf

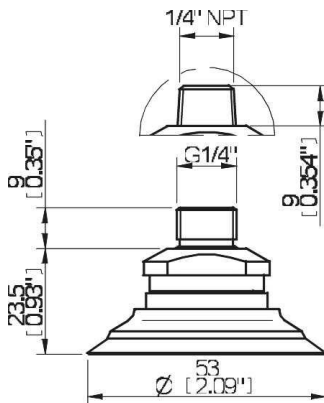
## Material

	Nitrile-PVC (NPV)
Color	Black
Hardness	50 Shore A
Temperature	32 – 194 °F

## Material resistance

	Nitrile-PVC (NPV)
Alcohol	++
Concentrated acids	+
Ethanol	N/A
Hydrolysis	++
Methanol	N/A
Oil	+++
Oxidation	++
Gasoline	+++
Wear resistance	+++
Weather and ozone	++

## Dimensional drawings



## Spare parts

	Part no.
Suction cup F50-2 Nitrile-PVC	F50-2.30
Fitting G1/4" male, with dual flow control valve	05DB
Cone valve for F50-2	31.50.057

## Accessories

	Part no.
Suction cup F50-2 Silicone	F50-2.20
Suction cup F50-2 HNBR	F50-2.37
Suction cup F50-2 Nitrile-PVC	31.50.241P
Suction cup F50-2 Silicone, for fitting with cone valve	31.50.241S
Fitting G3/8" male, 50, with mesh filter and dual flow control valve	05DD
Fitting G3/8" male, 50, with mesh filter	05AD
Fitting G1/4" male, 50, with mesh filter	05AB
Fitting 5x1/8" NPSF female, 50, with dual flow control valve	05DF
Fitting 5x1/8" NPSF female, 50	05AF
Fitting 3/8" NPT male, with mesh filter	05AE
Fitting 3/8" NPT male, with dual flow control valve	05DE
Fitting 1/8" NPSF female, 50, with mesh filter	05AG
Fitting 1/8" NPSF female, 50, with dual flow control valve	05DA
Fitting 1/8" NPSF female, 50, with cone valve	05UV
Fitting 1/8" NPSF female, 50, PA	05CA
Fitting 1/8" NPSF female, 50	05AA
Fitting 1/4" NPT male, with mesh filter	05AC
Fitting 1/4" NPT male, with dual flow control valve	05DC