

piGRIP® G.FLI50S.B1.S1.G14M.01



- ▶ Configurable suction cup with recyclable parts. The different hardness makes the suction cup stable and at the same time soft and flexible.
- ▶ Durable and long lasting material with higher lifting capacity compared to similar conventional cups.
- ▶ Soft foam/cellular rubber material makes it possible to grip almost any type of irregular surface with vacuum. Suitable when traditional lips are not working.
- ▶ Suitable for level adjustment and to separate thin objects.
- ▶ Mesh filter integrated in the fitting keeps particles away from Vacuum Generator/Pump.

Lifting force

Description	Vertical		Parallel	
	40 -kPa	60 -kPa	40 -kPa	60 -kPa
Lifting forces	Dependent on application	Dependent on application	Dependent on application	Dependent on application

Technical data

Description	Unit	Value
Max. vertical movement	mm	22.4
Internal volume	cm ³	18.4
Weight	g	39.4
Min. Curve radius -60 kPa	mm	Dependent on application
Removal efficiency	µm	Coarse

Material specification

Description	Material	Colour	Hardness °Shore A	Temperature range (°C)
Lip	EPDM, PP, PUR	Black/green	-	0-80
Bellow	TPE	Lime	87	-20-60/100*
Support	TPE	Lime	80	-20-60/100*
Fitting	Al, NBR, SS	-	-	-20-90

*Max. Temperature short term contact, <10 seconds and 50% intermittence, ambient temperature 15-30°C, mechanical properties will start to degrade.

Material resistance

Description	FDA Approved	PWIS Free	Wear Resistance	Oil	Weather & Ozone
Lip	No	No	Fair	Poor	Excellent
Bellow	No	Yes	Excellent	Excellent	Excellent
Support	No	Yes	Excellent	Excellent	Excellent

Description	Hydrolysis	Petrol	Concentrated Acids	Alcohol	Oxidation
Lip	Good	Poor	Poor	Excellent	Excellent
Bellow	Fair	Poor	Poor	Good	Good
Support	Fair	Poor	Poor	Good	Good

Values specified in 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 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Dimensional drawing



Description	Unit	Value
Building height	mm	50.7
Building height (no fitting)	mm	44.7
Diameter (lip)	mm	51
Wrench key (fitting)	mm	SW 22

Ordering information

Description	Product code
piGRIP®, Ø 50 mm Foam lip, EPDM Soft, Bellows 1 fold, Support S1, G-Thread, 1/4", Male, Filter Mesh, None	G.FLI50S.B1.S1.G14M.01

Ordering information, spare parts

Description	Art. No.
Ø 50 mm Foam lip, Foam soft	0124657