

piGRIP® G.FX77T50.B3.S1.G38M.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.
- ▶ Suitable for surface leaking (textured/wrinkled) and porous materials such as corrugated cardboard.
- ▶ Suitable for level adjustment and for uneven surfaces with a small pick-up radius.
- ▶ Mesh filter integrated in the fitting keeps particles away from Vacuum Generator/Pump.

Lifting force

Description	Vertical		Parallel	
	12 -inHg	18 -inHg	12 -inHg	18 -inHg
Lifting forces	25.2 lbf	35.7 lbf	12.6 lbf	17.9 lbf

Technical data

Description	Unit	Value
Max. vertical movement	in	1.58
Internal volume	in ³	6.90
Weight	oz	2.992
Min. Curve radius 18 -inHg	in	2.17
Removal efficiency	µm	Coarse

Material specification

Description	Material	Color	Hardness °Shore A	Temperature range (°F)
Lip	TPE	Blue	50	-40-140/212*
Bellow	TPE	Lime	87	-4-140/212*
Support	TPE	Lime	87	-4-140/212*
Fitting	Al, NBR, SS	-	-	-4-194

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

Material resistance

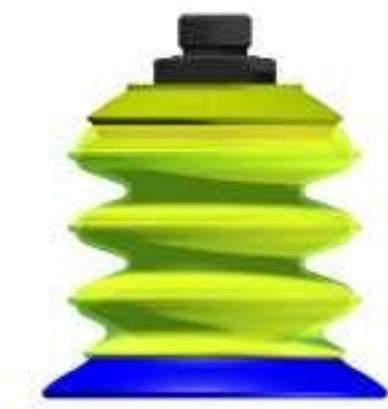
Description	FDA Approved	PWIS Free	Wear Resistance	Oil	Weather & Ozone
Lip	Yes	No	Fair	Poor	Excellent
Bellow	No	Yes	Excellent	Excellent	Excellent
Support	No	Yes	Excellent	Excellent	Excellent

Description	Hydrolysis	Gasoline	Concentrated Acids	Alcohol	Oxidation
Lip	Poor	Poor	Poor	Excellent	Good
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 0-100%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Dimensional drawing



Description	Unit	Value
Building height	in	3.07
Building height (no fitting)	in	2.83
Diameter (lip)	in	3.03
Wrench key (fitting)	in	SW 15/16"

Ordering information

Description	Product code
piGRIP®, Ø 77 mm Flexible lip, TPE 50° Shore A, Blue, Bellows 3 folds, Support S1, G-Thread, 3/8", Male, Filter Mesh, None	G.FX77T50.B3.S1.G38M.01

Ordering information, spare parts

Description	Part No.
Ø 77 mm Flexible lip, TPE 50° Shore A	0123989