

piGRIP®



- 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.
- Extraordinary good grip on bags, suitable for both plastic bags and stand-up pouches filled with dry or wet food/substances as well as liquids. For best performance and durability use operating vacuum level at approx. -40kPa. Possible to replace the lip.
- The enhanced BGI-2 lips (34, 41, 48 and 63 mm lips) are very good at picking thin/delicate plastic bags. They have the same overall geometries, sizes and material as the corresponding BGI lips.
- 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	
	12 -inHg	18 -inHg	12 -inHg	18 -inHg
Lifting forces	2.32 lbf	3.37 lbf	1.17 lbf	1.69 lbf

Technical data

Description	Unit	Value
Max. vertical movement	in	0.18
Internal volume	in ³	0.27
Weight	oz	0.364
Min. curve radius -60 kPa	in	0.63
Removal efficiency	µm	Coarse

Material specification

Description	Material	Colour	Hardness °Shore A	Temperature range (°F)
Lip / Retainer	SIL/POM	Blue/white	50/-	-40-392/-40-223
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 59-86°F, mechanical properties will start to degrade.

Material resistance

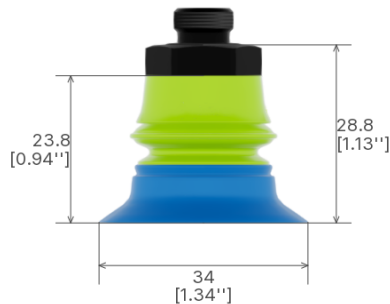
Description	FDA approved	PWIS free	Wear resistance	Oil	Weather & ozone
Lip / Retainer	Yes / Yes	No / No	Good / Good	Poor / Fair	Excellent / Poor
Bellow	No	Yes	Excellent	Excellent	Excellent
Support	No	Yes	Excellent	Excellent	Excellent

Description	Hydrolysis	Petrol	Concentrated acids	Alcohol	Oxidation
Lip / Retainer	Fair / Excellent	Poor / Good	Poor / Poor	Good / Good	Excellent / Poor
Bellow	Fair	Poor	Poor	Good	Good
Support	Fair	Poor	Poor	Good	Good

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.

Dimensional drawing



Description	Unit	Value
Building height	in	1.13
Building height (no fitting)	in	0.94
Diameter (lip)	in	1.34
Wrench key (fitting)	in	SW 11/16"

Ordering information – Current configuration

Description piGRIP®	Product code G.BGI34-2S50.B1.S1.G18M.01
Lip type	Bag lip with retainer
Lip size	Ø 34mm
Lip material and hardness	Silicone 50° Shore A, Blue
Bellow	Bellows 1 fold
Support	Support S1
Fitting type	G-Thread
Fitting size	1/8"
Fitting style	Male
Options	Filter Mesh
Additional function	None

Ordering information, spare parts

Description	Art. No.
Ø 34 mm Bag lip,Silicone 50° Shore A v2	0231144