

piGRIP® G.FX77T30.B1.S1.G38M.17



- ▶ 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. The 30 shore lip has extra good sealing capability.
- ▶ Suitable for level adjustment and to separate thin objects.
- ▶ Disc: Low micron filter disc inside the cup for fine filtration, keeps dust and small particles away from Vacuum Generator/Pump.
- ▶ Suitable for handling a different number of leaking objects such as corrugated cardboard and MDF board, etc. The vacuum level will be held in the system even if a few cups miss the object.

Lifting force

Description	Vertical		Parallel	
	40 -kPa	60 -kPa	40 -kPa	60 -kPa
Lifting forces	107.0 N	150.4 N	53.5 N	75.2 N

Technical data

Description	Unit	Value
Max. vertical movement	mm	16.3
Internal volume	cm ³	44.8
Weight	g	70.4
Min. Curve radius -60 kPa	mm	55
Removal efficiency	µm	40
Pump flow/cup to close valve	l/s	0.55 (@ 7-kPa)
Pump flow/cup minimum	l/s	0.15 (@ 45 -kPa)

Material specification

Description	Material	Colour	Hardness °Shore A	Temperature range (°C)
Lip	TPE	Yellow	30	-40-60/100*
Bellow	TPE	Lime	87	-20-60/100*
Support	TPE	Lime	87	-20-60/100*
Fitting	Al, NBR	-	-	-20-90
Sense	TPE, HNBR	Blue	-	-20-80

*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	Petrol	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 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Dimensional drawing



Description	Unit	Value
Building height	mm	47.0
Building height (no fitting)	mm	41.0
Diameter (lip)	mm	77
Wrench key (fitting)	mm	SW 22

Ordering information

Description	Product code
piGRIP®, Ø 77 mm Flexible lip, TPE 30° Shore A, Yellow, Bellows 1 fold, Support S1, G-Thread, 3/8", Male, piSAVE sense 04/60, C. flow 0,55 NI/s and filter disc, None	G.FX77T30.B1.S1.G38M.17

Ordering information, spare parts

Description	Art. No.
Ø 77 mm Flexible lip, TPE 30° Shore A	0121993
Filter disc 7, Kit 10 pcs	0200999