

piGRIP® G.FX39T50.F.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.
- ▶ Suitable for surface leaking (textured/wrinkled) and porous materials such as corrugated cardboard.
- ▶ Suitable for flat or slightly curved objects. Cleats prevent thin, sensitive objects from being deformed.
- ▶ 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 | 28.9 N | 41.0 N | 14.5 N | 20.5 N |

Technical data

| Description | Unit | Value |
|---------------------------|-----------------|--------|
| Max. vertical movement | mm | 3.7 |
| Internal volume | cm ³ | 2.9 |
| Weight | g | 16.6 |
| Min. Curve radius -60 kPa | mm | 40 |
| Removal efficiency | µm | Coarse |

Material specification

| Description | Material | Colour | Hardness °Shore A | Temperature range (°C) |
|-------------|-------------|--------|-------------------|------------------------|
| Lip | TPE | Blue | 50 | -40-60/100* |
| 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 | Yes | No | Fair | Poor | Excellent |
| Support | No | Yes | Excellent | Excellent | Excellent |

| Description | Hydrolysis | Petrol | Concentrated Acids | Alcohol | Oxidation |
|-------------|------------|--------|--------------------|-----------|-----------|
| Lip | Poor | Poor | Poor | Excellent | 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 | 19.1 |
| Building height (no fitting) | mm | 13.1 |
| Diameter (lip) | mm | 39 |
| Wrench key (fitting) | mm | SW 22 |

Ordering information

| Description | Product code |
|---|------------------------|
| piGRIP®, Ø 39 mm Flexible lip, TPE 50° Shore A, Blue, No bellows, Support S1, G-Thread, 1/4", Male, Filter Mesh, None | G.FX39T50.F.S1.G14M.01 |

Ordering information, spare parts

| Description | Art. No. |
|---------------------------------------|----------|
| Ø 39 mm Flexible lip, TPE 50° Shore A | 0123987 |