

FC75P



FLAT, CONCAVE SUCTION CUP WITH CLEATS

- ▶ Suitable for slightly domed and flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- ▶ Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- ▶ The suction cups have cleats that prevent thin objects from being disfigured.
- ▶ DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled.

LIFTING FORCES & TECHNICAL DATA

| Material | Lifting force vertical to the surface, N, at vacuum level | | | Lifting force parallel to the surface, N, at vacuum level | | | Volume cm ³ | Min. curve radius mm | Max. vertical movement mm | Weight with fitting g |
|----------|---|---------|---------|---|---------|---------|---------------------------|-------------------------|------------------------------|--------------------------|
| | 20 -kPa | 60 -kPa | 90 -kPa | 20 -kPa | 60 -kPa | 90 -kPa | | | | |
| PU40° | 73 | 157 | 215 | 107 | 200 | 230 | 30 | 78 | 6.5 | 45 |
| PU60° | 73 | 168 | 225 | 93 | 225 | 255 | 30 | 78 | 6.5 | 45 |

MATERIAL SPECIFICATIONS

| Material | Colour | Hardness °Shore A | Temperature range °C |
|--------------------|-------------------|-------------------|----------------------|
| Polyurethane, PU40 | Red transparent | 40 | 10–50 |
| Polyurethane, PU60 | Green transparent | 60 | 10–50 |

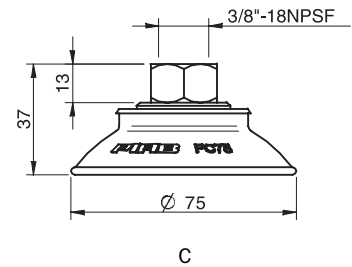
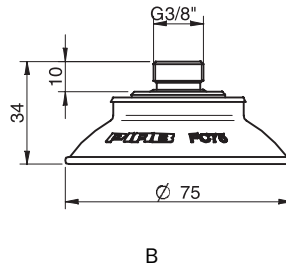
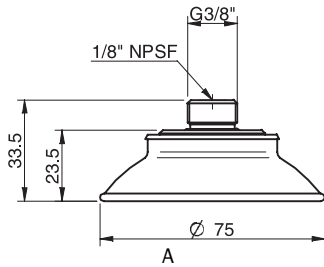
MATERIAL RESISTANCE

| Wear resistance | Oil | Weather & ozone | Hydrolysis | Petrol | Concentrated acids | Ethanol | Methanol | Oxidation |
|-----------------|-----------|-----------------|------------|--------|--------------------|---------|----------|-----------|
| Excellent | Excellent | Excellent | Fair** | Fair | Fair** | Fair | Poor | Poor |

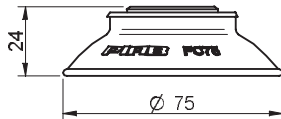
**Please contact Piab.

ORDERING INFORMATION

| | Complete suction cups | Art. No. |
|---|---|----------|
| A | Suction cup FC75P Polyurethane 40, G3/8" male - 1/8" NPSF female | 0103294 |
| A | Suction cup FC75P Polyurethane 60, G3/8" male - 1/8" NPSF female | 0103296 |
| B | Suction cup FC75P Polyurethane 40, thread insert G3/8" with mesh filter | 0106959 |
| B | Suction cup FC75P Polyurethane 60, thread insert G3/8" with mesh filter | 0107303 |
| C | Suction cup FC75P Polyurethane 40, 3/8" NPSF female | 0108796 |
| C | Suction cup FC75P Polyurethane 60, 3/8" NPSF female | 0108797 |



| | Rubber parts | Art. No. |
|--|---|----------|
| | Suction cup FC75P Polyurethane 40, for tread insert | 0106948 |
| | Suction cup FC75P Polyurethane 60, for tread insert | 0107302 |



| | Fitting | Art. No. |
|--|---|----------|
| | Thread insert G3/8" male, with O-ring and mesh filter | 0107148 |

For further information and dimensioned drawings, see SUCTION CUPS FITTINGS chapter.

Suction cups FC-P