

Piab adds new sizes to bellows suction cup line

B – BELLOWS SUCTION CUPS



Extra sizes, more functions, additional fittings and entire bellows suction cup line in configurator



PIAB IS EXTENDING its generic line of bellows suction cups to include cups measuring 65 mm in diameter, further broadening its already extensive application range. The new cup size is the last of four new sizes added to the popular bellows suction cup line. Cups measuring 13, 26, and 90 mm have recently been introduced.

THE NEW B65 CUP is available in four different materials - nitrile rubber (NBR), the non-marking HNBR, and two grades of silicone. The standard grade silicone is used for bellows cups widely used within the plastics and packaging industries, and the alternative food-grade silicone is offered for cups used by industries that need to adhere to hygiene standards set by the US (FDA 21CFR177.2600) and/or the EU (EU 1935/2004).

Technical data

| Description | Material | Lifting forces vertical to the surface, N, at vacuum level | | | Lifting forces parallell to the surface, N, at vacuum level | | |
|-------------|------------------|--|---------|---------|---|---------|---------|
| | | 20 -kPa | 60 -kPa | 90 -kPa | 20 -kPa | 60 -kPa | 90 -kPa |
| B65 | Nitrile PVC, NBR | 57.7 | 132.1 | 162.9 | 75.9 | 138.1 | 173.7 |
| | Silicone, Sil | 53.7 | 103.9 | 142.2 | 58.7 | 111.9 | 128.6 |
| | Silicone, FDA | 53.8 | 101.7 | 136.6 | 58.7 | 113.5 | 139.7 |
| | HNBR | 56.6 | 158.5 | 222.9 | 73.3 | 118.3 | 157.9 |

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| Suction cup | | |
|-------------|---------------------------------|-------|
| Code | Type | |
| B | Bellows | |
| Code | Size | Group |
| 5 | Ø 5mm | A |
| 8 | Ø 8mm | A |
| 10-2 | Ø 10mm model 2* | B |
| 13-2 | Ø 13mm model 2* | B |
| 15 | Ø 15mm | B |
| 15-2 | Ø 15mm model 2* | B |
| 20 | Ø 20mm | C |
| 26 | Ø 26mm | C |
| 30 | Ø 30mm | C |
| 30-2 | Ø 30mm model 2* | D |
| 40 | Ø 40mm | D |
| 50 | Ø 50mm | D |
| 50-2 | Ø 50mm model 2* | D |
| 65 | Ø 65mm | H |
| 75 | Ø 75mm | E |
| 75-2 | Ø 75mm model 2* | E |
| 90 | Ø 90mm | E |
| 110 | Ø 110mm | F |
| 110-2 | Ø 110mm model 2* | F |
| 150 | Ø 150mm | G |
| Code | Material | |
| CR | Chloroprene | |
| S | Silicone, SIL | |
| SF | Silicone FDA, SIL FDA | |
| CS | Conductive Silicone, CSIL | |
| HN | Hydrogenated Nitrile, HNBR | |
| NP | Nitrile-PVC, NPV | |
| T | Thermoelastic polyurethane, TPU | |
| CE | Conductive EPDM | |
| Code | Hardness | |
| 50 | 50 °Shore A | |
| 60 | 60 °Shore A | |
| 75 | 75 °Shore A | |
| 81 | 81 °Shore A | |

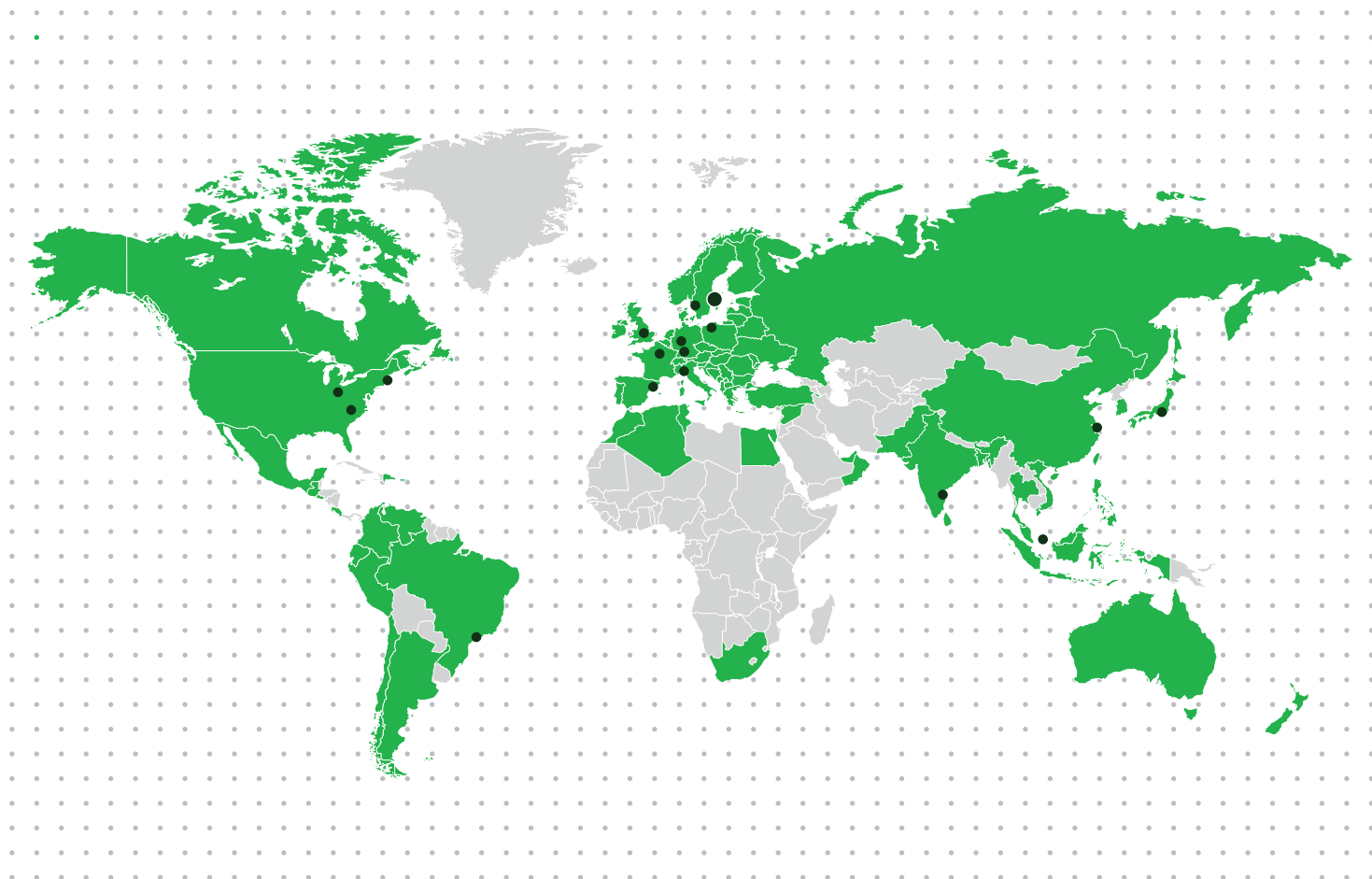
| Fitting | | | | | | | | | | |
|--|--------------------------------------|---|---|---|---|---|---|---|---|--|
| Code | Type | A | B | C | D | E | F | G | H | |
| X | None | • | • | • | • | • | • | • | • | |
| G | G-Thread | | • | • | • | • | • | • | • | |
| GL | G-Thread low | | | | | | | | • | |
| M | M-Thread | • | • | • | | | | | • | |
| NS | NPSF-Thread | | | | • | • | • | | • | |
| NT | NPT Thread | | | • | • | | | | • | |
| NTL | NPT Thread low | | | | | | | | • | |
| U | UNC-Thread | | | | | | | | • | |
| P | Push-on (max 70.0 N) | | | | | | | | • | |
| Code | Size | A | B | C | D | E | F | G | H | |
| X | None | • | • | • | • | • | • | • | • | |
| M5 | M5 | • | • | • | | | | | • | |
| M6 | M6 | | | | | | | | • | |
| M8 | M8 | | | | | | | | • | |
| MF8 | M8x1 | | | | | | | | • | |
| 5M5 | 5xM5 | | | • | | | | | • | |
| M10 | M10 | | | | | | | | • | |
| M12 | M12 | | | | | | | | • | |
| MF14 | MF14x1 | | | | | | | | • | |
| MF16 | MF16x1,5 | | | | | | | | • | |
| 18 | 1/8" | | • | • | • | • | | | • | |
| 14 | 1/4" | | | | • | | | | • | |
| 38 | 3/8" | | | | • | • | • | | • | |
| 518 | 5x1/8" | | | | • | | | | • | |
| 12 | 1/2" | | | | | • | • | • | • | |
| 34 | 3/4" | | | | | | | • | • | |
| 518 | 5x1/8" | | | | | | | | • | |
| D08 | Ø 8 | | | | | | | | • | |
| D10 | Ø 10 | | | | | | | | • | |
| D11 | Ø 11 | | | | | | | | • | |
| Code | Style | A | B | C | D | E | F | G | H | |
| X | None | • | • | • | • | • | • | • | • | |
| M | Male | • | • | • | • | | | | • | |
| F | Female | | | • | • | • | • | • | • | |
| MMM5F | Male with Metric M5 Female | | | • | | | | | | |
| MMM5FC | Male with Metric M5 Female Composite | | | • | | | | | | |
| FC | Female composite | | | | • | | | | | |
| MR | Male Replacement for NS518F | | | | | | | | • | |
| piGRIP fitting options for B65 (group H) | | | | | | | | | | |
| The fittings available are both threaded and push on fittings. | | | | | | | | | | |

| Option | |
|--------|--|
| Code | Description |
| 00 | No option |
| 01 | Filter mesh |
| 02 | Filter disc |
| 50 | Filter mesh and filter disc |
| 52 | Dual flow control valve |
| 53 | Dual flow control valve and filter disc |
| 54 | Dual flow control valve and filter mesh |
| 55 | Dual flow control valve, filter disc and filter mesh |

For full configuration of suction cup please visit piab.com



* For cups less than 26 mm the XX-2 stands for an enhanced design. Due to size those cups can't carry a filter. For cups larger than 26 mm, the YY-2 model means the cup is designed to carry a filter.



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