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 silicon. The standard grade silicon 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 8m	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	

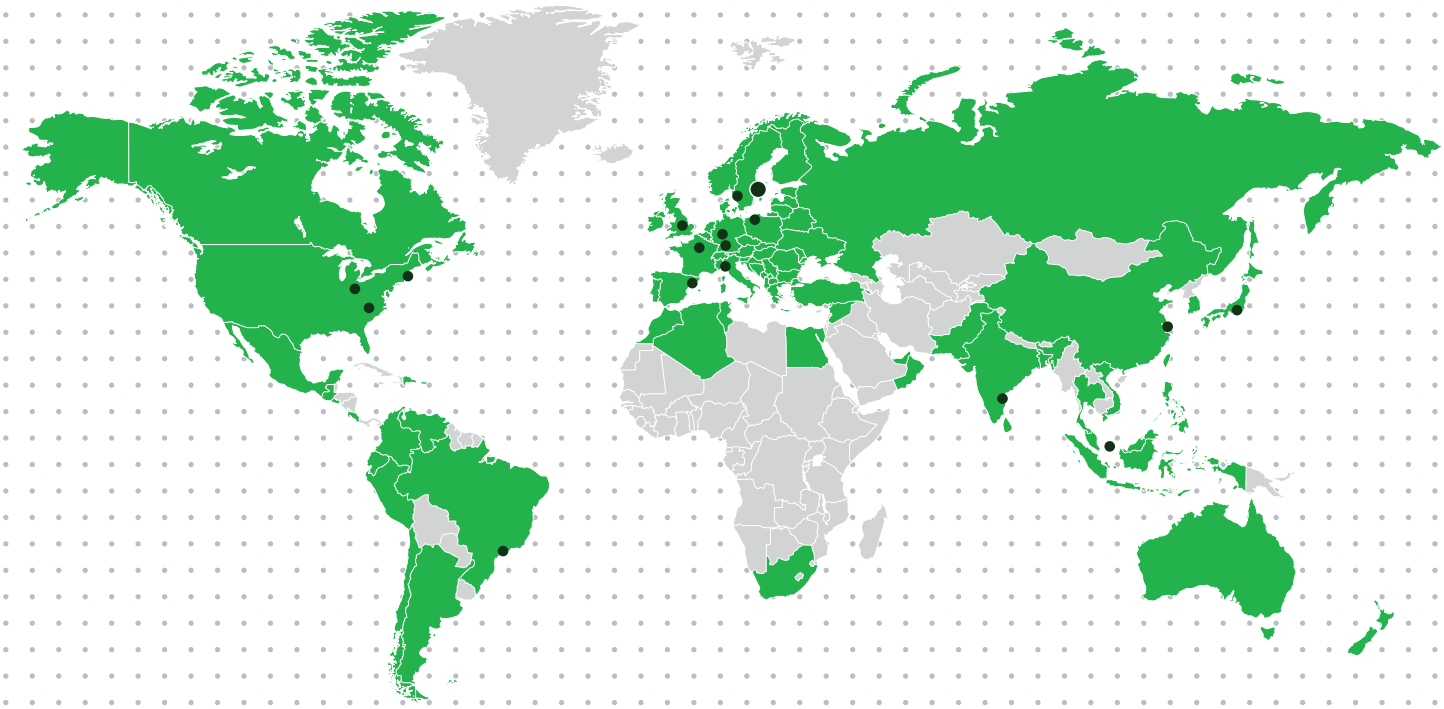
Fitting									
Code	Type	A	B	C	D	E	F	G	H
X	None	•	•	•	•	•	•	•	•
G	G-Thread		•	•	•	•	•	•	•
GL	G-Thread low								•
M	M-Thread	•	•	•					•
NS	NPSF-Thread				•	•	•		•
NT	NPT Thread			•	•				•
NTL	NPT Thread low								•
U	UNC-Thread								•
P	Push-on (max 70.0 N)								•
Code	Size	A	B	C	D	E	F	G	H
X	None	•	•	•	•	•	•	•	•
M5	M5	•	•	•					•
M6	M6								•
M8	M8								•
MF8	M8×1								•
5M5	5xM5			•					•
M10	M10								•
M12	M12								•
MF14	MF14×1								•
MF16	MF16×1,5								•
18	1/8"		•	•	•	•			•
14	1/4"				•				•
38	3/8"				•	•	•		•
518	5x1/8"				•				•
12	1/2"					•	•	•	•
34	3/4"							•	•
518	5×1/8”								•
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 avaliable 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.

www.piab.com



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