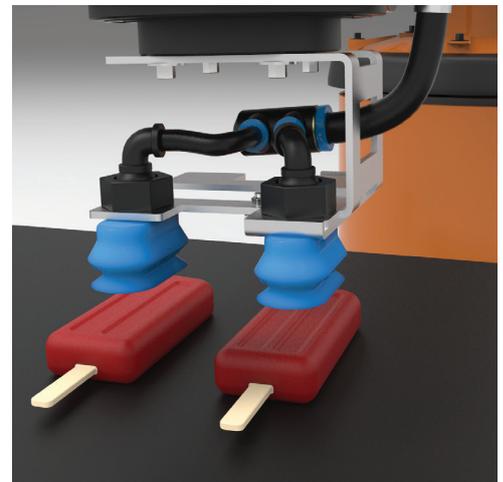


# Food oval bellows (F-OB)



The small oval bellows cups of food contact material (FCM) are suitable for handling of long and narrow packages when maximum lifting force is desired. They are appropriate for soft, curved surfaces and when level compensation is desired. The F-OB cups are a good choice for products in plastic flow-packs and stick-packs, for example candy bars and mini ketchup packages. The oval cups (F-OB) are also available in transparent food contact silicone (non-detectable), which is the best option for picking flow-packs.

- The material is silicone material which complies FDA and EU regulations e.g. FDA 21 CFR 177.2600 and EU 1935/2004.
- Long lasting high-end silicone material.
- Available in two versions; A low percentage metal additive (Fe) is mixed with the rubber material to make it detectable or transparent color without pigment (non-detectable).
- Suitable for frozen and raw food.
- Excellent grip on oblong parts with irregular surfaces and different heights, even at fast speeds and accelerations.
- Available with male threaded and integrated acid proof stainless steel fittings.
- Easy to clean with hygienic design. No dust/dirt pockets.
- Low vacuum level needed to collapse bellows. Reduces risk for damaging the handled food product.



## Lifting forces

Name	Lifting force vertical to the surface, N, at vacuum level			Lifting force parallel to the surface, N, at vacuum level		
	10 -kPa	20 -kPa	40 -kPa	10 -kPa	20 -kPa	40 -kPa
F-OB 10x30	1.4	2.4	5.2	1.5	2.3	4.6
F-OB 20x40	3.3	6.9	12	2.9	6	12.6
F-OB 30x60	8	17.2	31.1	8.1	13.4	27.5

## General specifications

Name	Length, mm	Width, mm	Build height, mm	Min. curve radius, mm	Max. vertical movement, mm	Volume, cm <sup>3</sup>
F-OB 10×30	31	11	17.4	4	4	1
F-OB 20×40	40.8	20.8	29.2	9	7.6	5
F-OB 30×60	62	32	36	11	10.9	17.5

## Available materials

Name	Silicone, detectable, FCM	Silicone, FCM
F-OB 10×30	●	●
F-OB 20×40	●	●
F-OB 30×60	●	●

## Applications

Table shows typical applications for the suction cup. For more detailed information, please visit [piab.com](https://piab.com).

Name	Food contact material (FDA, EU standard)
F-OB 10×30	●
F-OB 20×40	●
F-OB 30×60	●

## Ordering information

### G thread

Name	G1/8" male, stainless steel		G1/4" male, stainless steel	
	Detectable		Detectable	
F-OB 10×30	0205912	0207044	–	–
F-OB 20×40	0205918	0207046	0205915	0207045
F-OB 30×60	0205920	0207047	0205923	0207048