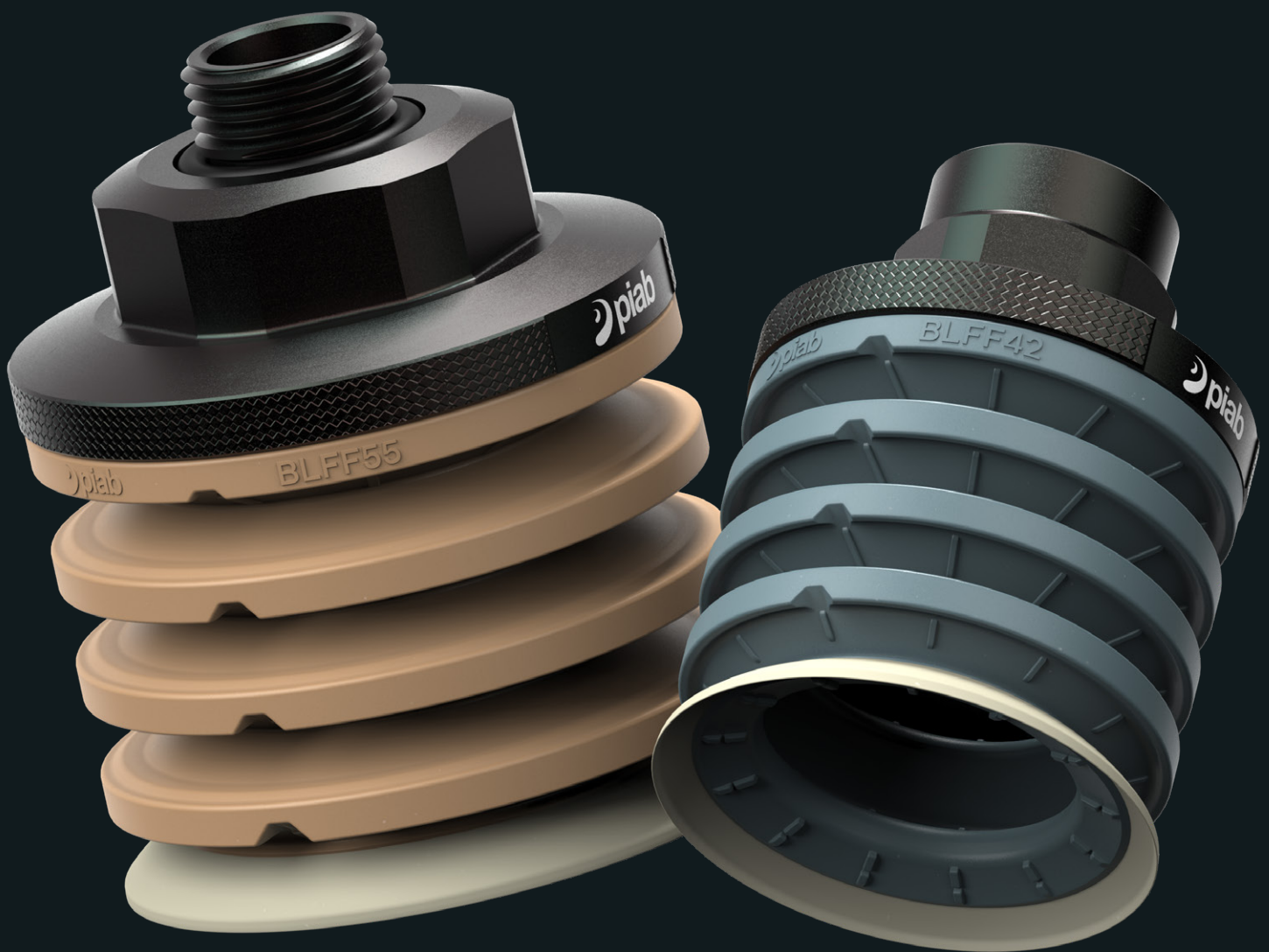


BLFF42 & BLFF55

# Endless application possibilities



## BLFF42 & BLFF55

# World-class multi-item handling

The BLFF family delivers reliable multi-item handling for both heavy products and challenging packaging formats such as plastic bags, paper bags, and film-based materials.

**Its adaptive lip**, optimized bellows design, and high-flow capability ensure stable sealing and performance across varying shapes, surfaces, and elevated vacuum flow levels - making it well suited for modern warehousing and logistics environments.

*Medium* – provides a controlled balance between support and compliance. It delivers predictable handling across a wide product range and serves as a stable baseline configuration.

*Hard* – offers increased rigidity for applications with higher loads or dynamic motion. The increased stiffness limits cup movement during acceleration, helping maintain load stability and placement accuracy.



Scan the QR-Code or visit <https://va.piab.com/BLFF> to learn more!

### Medium



## Mixed load applications

The Medium variant combines flexibility and lifting stability with high-flow applications.

- High flow (~250 NI/min)
- Suitable for mixed SKU handling
- Adapts to varied surfaces and shapes

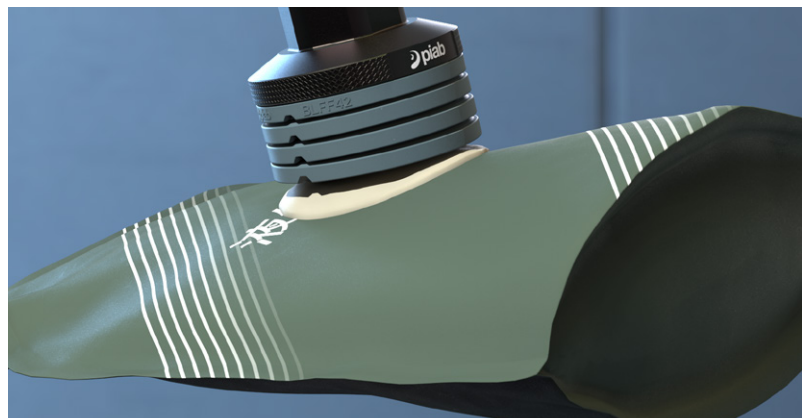
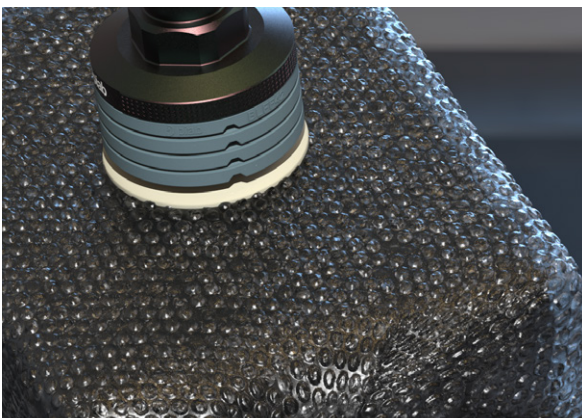
### Hard

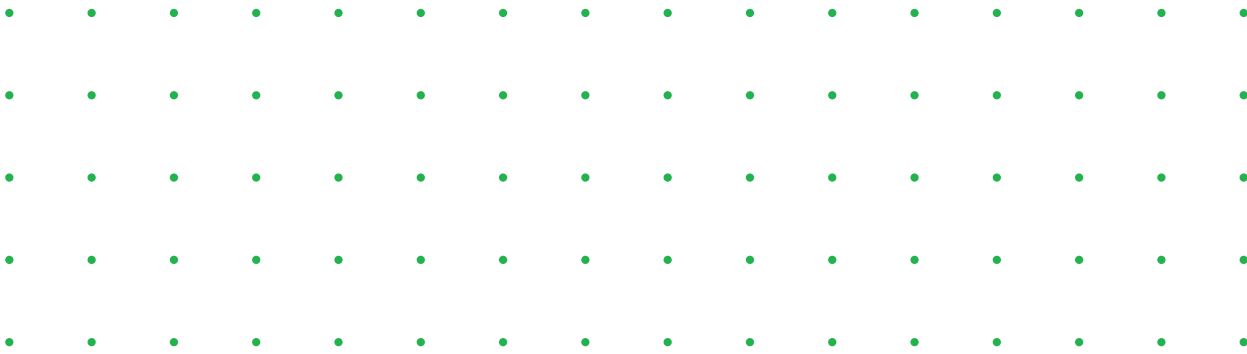


## Heavy and rigid loads

The Hard version of BLFF is designed for demanding, highly dynamic handling conditions.

- Extreme vacuum flow (~500 NI/min)
- Maximum structural stability
- Suitable for rigid products, and chaotic automation environments





**High flow and deep vacuum capability**

Supports very high flow rates and deep vacuum levels. This enables reliable, high-performance operation in demanding applications.



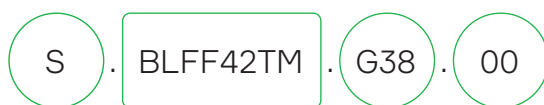
**Application versatility**

Handles cartons, bags, trays, and varied packaging formats with consistent grip performance across different materials and surface conditions.



**Built for durability**

Tough, wear-resistant material withstands impacts and demanding applications. Longer service life compared to conventional bag cups supports improved uptime.



**Size and material**

Code	Size
42	42 mm diameter
55	55 mm diameter
Code	Material
T	TPE
Code	Hardness
M	Medium
H	Hard

**Fitting**

Code	Type
X	None
G	G-thread
Code	Size
14	1/4"
38	3/8"
12	1/2"
Code	Style
M	Male
F	Female

**Option**

Code	Option
00	None
01	Filter (41 µm)
02	Filter (41 µm), piSAVE® Sense 02/60 *
03	Filter (41 µm), piSAVE® Sense 03/60 *
04	Filter (41 µm), piSAVE® Sense 04/60 *
05	Filter (41 µm), piSAVE® Sense 05/60 *
06	piSAVE® Sense 02/60 *
07	piSAVE® Sense 03/60 *
08	piSAVE® Sense 04/60 *
09	piSAVE® Sense 05/60 *

\* piSAVE® Sense is only recommended for lower flow applications.



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