

piFLOW® Batch Volume  
Optimisation

Confident  
conveying

# piFLOW® Batch Volume Optimisation

## Confident conveying

Equipment used to convey bulk solids in manufacturing must be accessible for the operators, easily maintained, and compliant with industry standards. Productivity can be dramatically enhanced by automating process steps – but only if everyone is on board.

Piab's new Batch Volume Optimisation (BVO) series was created with the user in mind, they are designed to help continue evolving workplaces within the manufacturing sector.



Pharmaceutical



Food & beverage



Chemical Industry



### Productive and Sustainable.

Even faster and more efficient conveying of bulk solids thanks to optimized batches: the conveyor always works on its maximum capacity. Avoid unplanned downtime and maintenance by preventing filter damage.



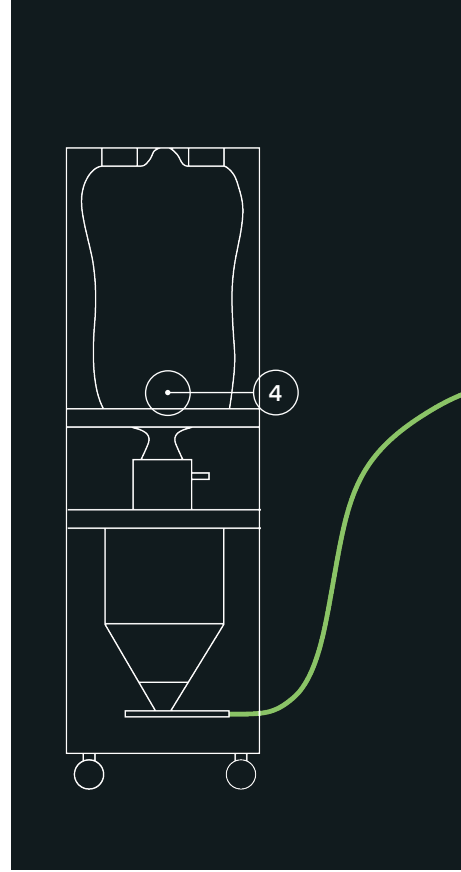
### Allows Cut Down on Cleaning/Maintenance Time.

Thanks to the modular design, disassembly and reassembly takes only a few minutes. No moving parts or pinch points. The built-in filter shock system and detachable sensor blow-cleaning function mean cleaning has never been easier.



### Customizable, Versatile, and Scalable.

No matter the distance, height, material, or capacity that will be conveyed, Piab has a solution for you.



### Reduces the possibility of Human Error.

Operators intuitively learn how to set up and fine-tune the conveying time by being able to see more of what is happening inside the conveyor body.



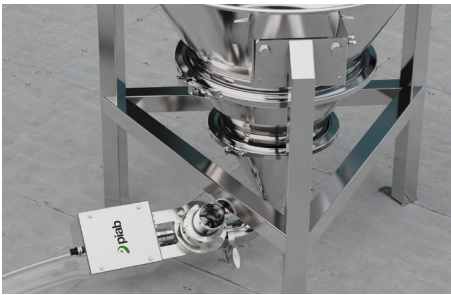
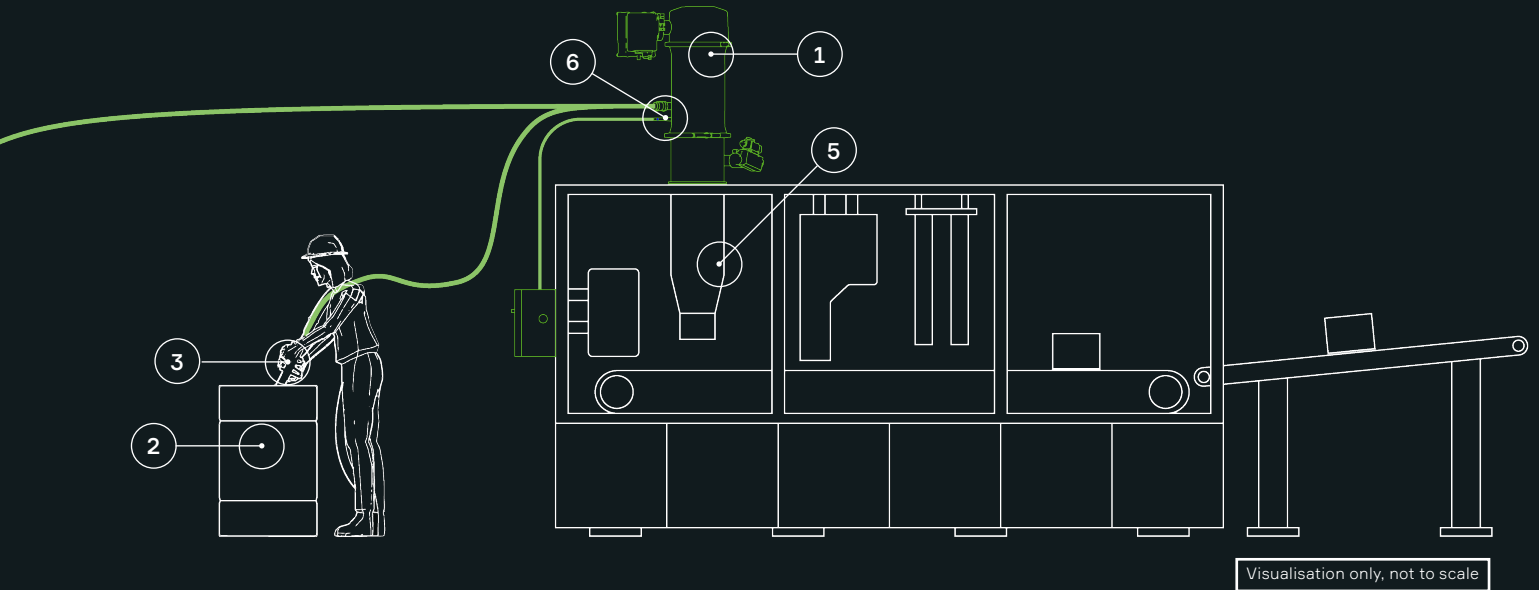
### Effortless control.

The ECU-15 is a sophisticated electrical control unit with a touch display to adjust, monitor, and analyse all conveyor functions and store materials and recipes.

Do you need a more simple or ATEX certified control unit instead? Choose one of the pneumatic control units, such as the CU premium control or the PPT/RS basic control.

## How does it work?

The piFLOW® vacuum conveyor (1) takes powders, granules and small particles from a pickup point (e.g. barrel (2) with a feed pipe (3) or a feed station, unloading a big bag (4) and releases them into a receiving vessel or a piece of equipment (e.g. packaging machine(5) in batches. Once the conveyor is full, the sensor (6) automatically triggers the release process.



“Piab has some of the most knowledgeable application engineers in the world, running 12 test labs on four continents to find the optimal solution for your needs.”

Floris Rouw  
President Vacuum Conveying Division

## The pick-up points.

Pick the right feeding point that fits your space and ensures smooth operations. From feed nozzles and suction pipes to bag dump stations and feed stations, Piab offers a wide range of feed points to choose from.



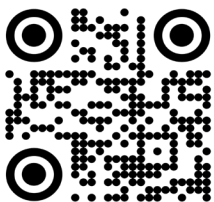
	piFLOW®p BVO	piFLOW®fc BVO	piFLOW®f BVO	piFLOW®i BVO
Applications	Premium conveyor with a wide capacity and application range	High-requirement food or chemical conveying	Versatile conveyor used in the food industry	Robust, general industrial conveyor
Maximum capacity	15 tons/h	8 tons/h	7,5 tons/h	7,5 tons/h
Available batch sizes	3 – 56l	3-33l	6-28l	6-28l
Sensor assembly/ disassembly	Tool-less, with TC ring	Easy	Easy	Easy
Steel quality and surface finish	ASTM 316L Ra < 0.6	ASTM 304L Ra < 0.6	ASTM 304L Ra < 3.2	ASTM 304L Ra < 3.2
Certifications	EC, FDA**, ATEX*, IQ/OQ	EC, FDA**	EC, FDA**, ATEX*	EC, ATEX*

\*ATEX dust certification process ongoing.

\*\*All conveyor parts which are in contact with the conveyed material fulfill the requirements of the FDA, and the conveyor is designed according to the USDA dairy guidelines.



Read more at [piab.com](http://piab.com)!



# BONDY

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**Transmission**



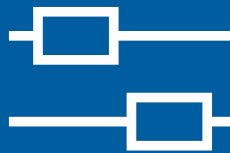
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**Vacuum Conveying**



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