piFLOW®p – Overview

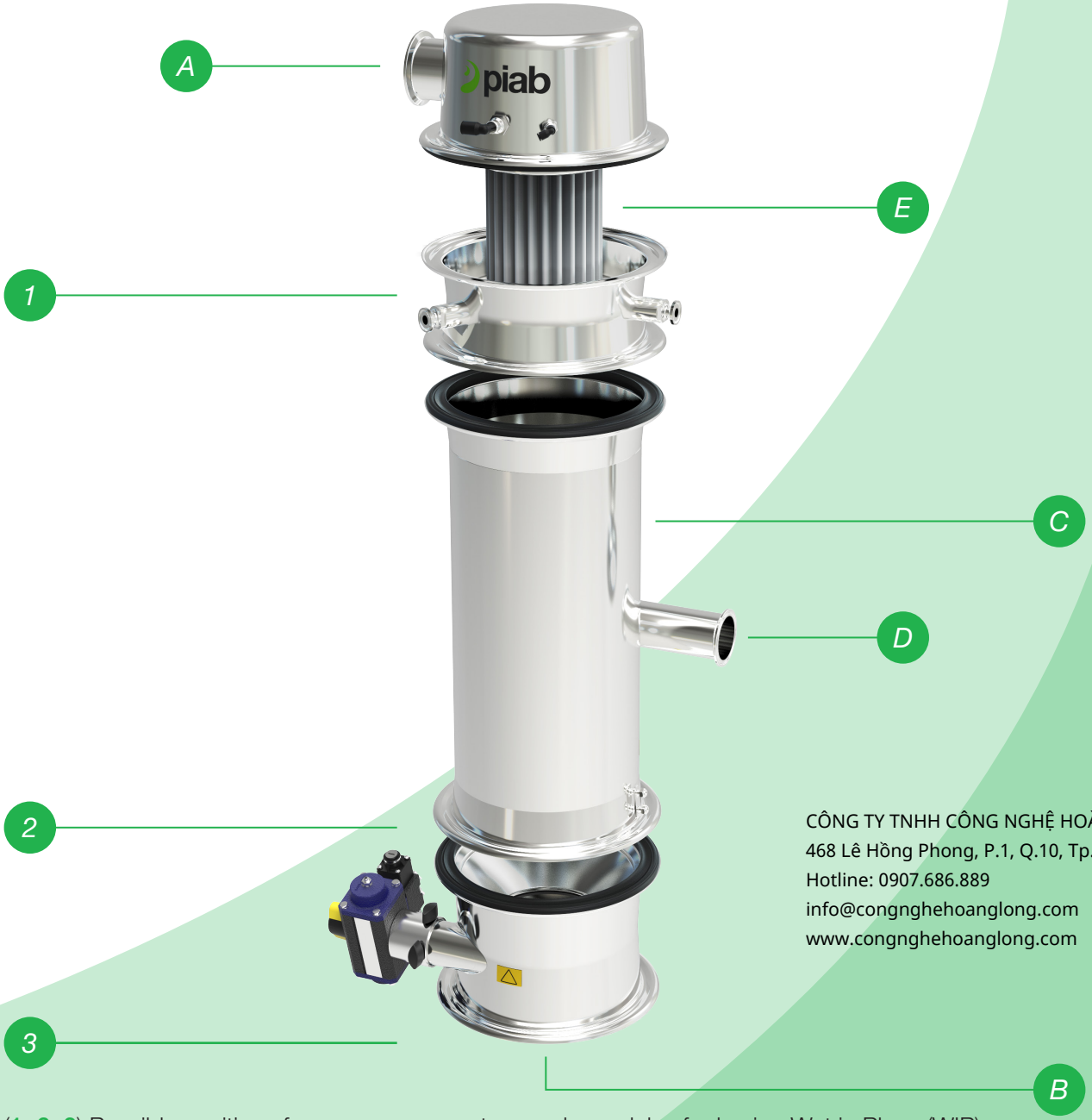
- The WIP modules fits well with all piFLOW®p conveyors between 2 to 33 liters (0.07 – 1.17 cubic feet)
- The WIP module has a hygienic design to secure optimum functionality
- Designed mainly for industries handling food, chemical and pharmaceutical products
- Low noise level
- Automatic filter cleaning
- All materials in contact with the conveyed product fulfill the requirements of FDA and EC 1935/2004, and designed according to USDA dairy guideline
- Optionally available with ATEX certificate and/or IQ/OQ and/or 2.2 certificate

Technical data

Description	Unit	Value
Material		ASTM 316L, EPDM, Q, NBR, ePTFE, PTFE, PE, PET, PA, Al, SS, PP
Temperature range	°F	32–140
Weight	lb	24.3–247
Feed pressure max.	psi	101.5
Feed pressure range	psi	58–87
Air consumption range	scfm	5.30–237
Vacuum range	-inHg	18–22.2
Noise level range	dBA	69–77
Filter area	ft^2	0.33–75.3
Min. particle size	µm	0.5 or 5
Material batch volume	cf	0.07–1.98
Feed pressure range, control	psi	58–87
Description	**Module for 2, 3 and 7 liters**	**Module for 14 and 33 liters**
Recommended water pressure	44 psi	58 psi
Water pressure Min.	29 psi	44 psi
Max. water temperature	104 °F	104 °F
Water consumption	7-8 gpm	8-9 gpm

Recommended WIP cycle time – The time is depending on application and conveyed material

Expanded piFLOW®p conveyor family offers Wet-In-Place (WIP) function!



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(1, 2, 3) Possible positions for one or more water nozzle modules for having Wet in Place (WIP) functionality.

Vacuum pump (A) – using COAX® with compressed air or a mechanical pump.

The bottom valve (B), closes and the vacuum increases in the container (C) and the conveying line (D).

The filter (E) protects the pump and the surrounding area from dust and small particles.

At a preset time, the pump and the conveying are stopped and the bottom valve (B) is opened. The product is discharged at the same time as the air shock is activated and the compressed air cleans the filter from dust and small particles.

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