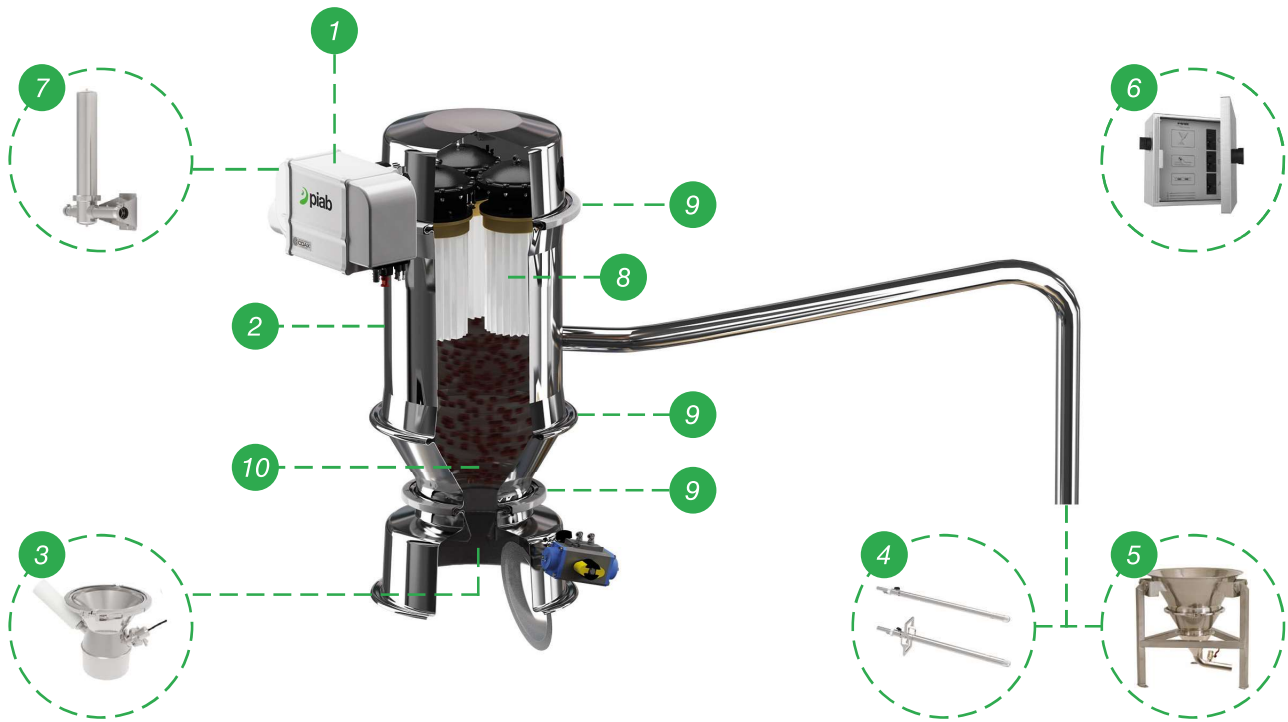














# Accessories & spare parts

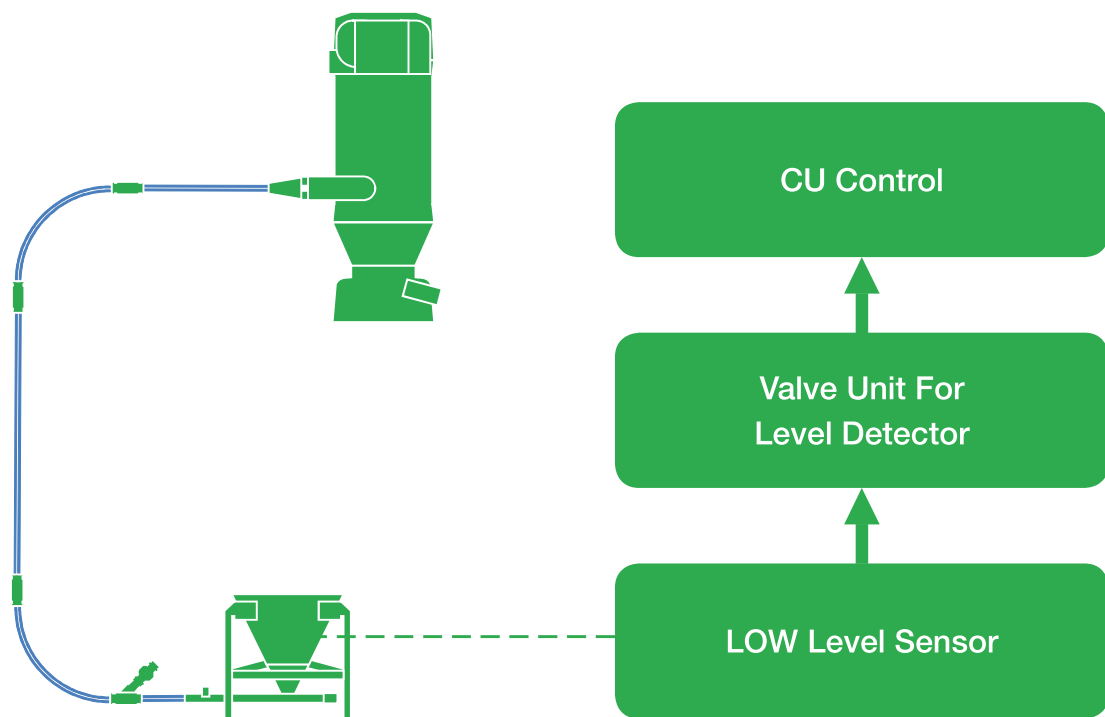


- |  |                    |
|--|--------------------|
| 1 Vacuum pump                                | 6 Control unit     |
| 2 Conveyor body                              | 7 Sterile filter   |
| 3 Transition piece                           | 8 Filters          |
| 4 Suction pipe, feed nozzle,<br>feed adapter | 9 Seals            |
| 5 Feed station                               | 10 Fluidizing cone |







# Accessories

			Suitable with piFLOW®			Features and benefits
			i	f	p	
1	Vacuum pumps	piBASIC 	●	●		<ul style="list-style-type: none"> <li>Ejector driven pump with COAX® patented technology.</li> <li>Side mount for low building heights.</li> <li>High vacuum flow.</li> <li>Compact size and low weight.</li> <li>Low noise level.</li> <li>Modular design.</li> <li>5 years warranty.</li> </ul>
		piPREMIUM 			●	<ul style="list-style-type: none"> <li>Ejector driven pump with COAX® patented technology.</li> <li>Side mount for low building heights.</li> <li>High vacuum flow.</li> <li>Compact size and low weight.</li> <li>Low noise level.</li> <li>Modular design.</li> <li>5 years warranty.</li> </ul>
	Valve unit for electro mechanical pump and piFLOW®		●	●	●	<ul style="list-style-type: none"> <li>To optimize or complete a conveyor.</li> <li>Use together with electro mechanical vacuum pumps and Piab vacuum conveyor.</li> <li>Fully pneumatic.</li> <li>Wall mounting.</li> <li>Recommend to use with compressed air feed unit.</li> </ul>
	Compressed air feed unit for electro mechanical pumps and piFLOW®		●	●	●	<ul style="list-style-type: none"> <li>To optimize or complete a conveyor.</li> <li>Use together with electro mechanical vacuum pump and Piab vacuum conveyor.</li> <li>Fully pneumatic.</li> </ul>
2	Conveyor body		●	●	●	<ul style="list-style-type: none"> <li>Increase batch volume.</li> <li>Transition pieces.</li> <li>Increases distance between the filter and inlet.</li> </ul>
3	Transition piece for tablet press				●	<ul style="list-style-type: none"> <li>Use as a transition piece for tablet press.</li> <li>Ready to use, complete with sensor, aspiration filter, clamp ring and silicone sealing.</li> <li>Piab standard PR0 filter used for aspiration.</li> <li>Capacitive level sensor with TC connection.</li> <li>3 m of cable with open end.</li> </ul>





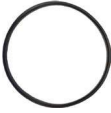


			Suitable with piFLOW®			Features and benefits
			i	f	p	
4	Suction pipes		●	●	●	<ul style="list-style-type: none"> <li>For picking up powders and granules from barrels, hoppers and bags.</li> <li>The amount of carrying air can be adjusted via the ball valve, to allow for optimum air to product ratio.</li> <li>The inlet of the suction pipe is equipped with an arched steel wire to prevent bags from being drawn in to the pipe.</li> <li>The suction pipe diameter range matches the conveyor inlet and piping size range.</li> </ul>
	Feed nozzles piFLOW®p				●	<ul style="list-style-type: none"> <li>Polished <math>\leq Ra\ 0.8</math>.</li> <li>To pick up the product in a smooth manner.</li> <li>Adjustable air intake at two places.</li> <li>Available with TC connection.</li> <li>Dismantle without tools.</li> </ul>
	Feed adapters				●	<ul style="list-style-type: none"> <li>To optimize the feeding point (where the product is conveyed from) for the conveying system to assure maximum capacity and safe transport.</li> </ul>
			●	●		<ul style="list-style-type: none"> <li>To optimize the feeding point (where the product is conveyed from) for the conveying system to assure maximum capacity and safe transport.</li> </ul>
5	Feed stations				●	<ul style="list-style-type: none"> <li>To store the product at the suction point.</li> <li>Polished <math>\leq Ra\ 0.8</math>.</li> <li>Available with white or antistatic (black) fluidization cone.</li> <li>Fluidization regulator is included.</li> </ul>
			●	●		<ul style="list-style-type: none"> <li>To store the product at the suction point.</li> <li>Pickled in product contact zone <math>\leq Ra\ 0.8</math>.</li> </ul>



If we consider a typical application requiring a level control. This example is for stopping the conveying process when the feed station is empty of product. In this case we are applying a low level sensor in the station via our valve unit for level detector to our CU control. This will stop the conveyor and reset the timers when material is low or the station is empty.

			Suitable with piFLOW®			Features and benefits
			i	f	p	
6	Control units	Control Unit PPT/RS 	●	●	●	<ul style="list-style-type: none"> <li>Adjustable suction and discharge time.</li> <li>Controls the functions of the conveyor.</li> <li>Filter air shock signal.</li> <li>Fully pneumatic.</li> <li>Regulator to control the feed pressure to the actuator at the bottom lid.</li> <li>The maximum recommended distance between the conveyor and control unit is 10 metres when feed pressure is 0.6 MPa.</li> <li>Start/Stop button.</li> </ul>
		Control unit CU 			●	<ul style="list-style-type: none"> <li>Controls the functions of the conveyor.</li> <li>Level sensor.</li> <li>Fluidized conveyor discharge.</li> <li>Fully pneumatic.</li> <li>Pipe emptying unit.</li> <li>Remote start/stop and emergency stop as an option.</li> <li>The maximum recommended distance between the conveyor and control unit is 10 metres when feed pressure is 0.6 MPa.</li> </ul>
		Valve unit VU-EP 	●	●	●	<ul style="list-style-type: none"> <li>Valve unit with electro-pneumatic valves that can be used to control Piab's vacuum conveyors with external PLC or similar electrical control system.</li> <li>Simple installation: Prepared for connection to the vacuum conveyor's main functions; start the pump, close the bottom valve, open the bottom valve, fluidization and the filter shock.</li> <li>Prepared to be fitted with six electro-pneumatic valves. The unit is delivered with four valves and two unused spare positions.</li> <li>The valve unit has an electrical connection with an 8-pin M12x1 connector.</li> <li>The unit is delivered with a connection cable (L=2 m) that is fitted with a connector at one end.</li> </ul>
		Valve unit for level detector CU-1/2 			●	<ul style="list-style-type: none"> <li>Provides an electrical to pneumatic signal allowing the CU control to switch the conveyor cycle on/off during operation and provides a control unit reset.</li> <li>Capacitive sensor needed.</li> <li>Sensor type 1 is a standard sensor.</li> <li>Type 2 is suitable for ATEX.</li> <li>Both options provides a 24VDC output, normally open electrical connection.</li> </ul>
		Maintenance kit piFLOW® pumps 	●	●	●	<ul style="list-style-type: none"> <li>Used for start-up and maintenance of a Piab conveying system</li> <li>Complete kit, ready to use.</li> <li>4x10 m Nylon tubing D=4/2 included.</li> <li>Enables reading of vacuum and pressure levels.</li> <li>Actuating valve to start/stop the Piab pump.</li> <li>Fits all piFLOW®i, f and p conveyors fitted with Piab pump.</li> </ul>
7	Other	Sterile filter 			●	<ul style="list-style-type: none"> <li>Secondary sterile filter for piFLOW®p conveyor family.</li> <li>FDA approved.</li> <li>Easy to assemble / disassemble.</li> <li>Complete kit, ready to use.</li> <li>Filtration class ULPA 16 according to DIN EN 779 / DIN EN 1822-1:1998.</li> </ul>

# Spare parts

			Suitable with piFLOW®			Features and benefits
			i	f	p	
8	Filters	Textile filter 	●	●	●	<ul style="list-style-type: none"> <li>● The filter bags are of food quality.</li> <li>● Antistatic.</li> <li>● Welded seams.</li> <li>● Min particle size 5 µm.</li> </ul>
		Pleated filter 	●	●	●	<ul style="list-style-type: none"> <li>● FDA compliance.</li> <li>● The filter is antistatic and in compliance with ATEX.</li> <li>● Suitable for extreme fine and free flowing powder, i.e. toner.</li> <li>● Min particle size 0.5 µm.</li> </ul>
		Pleated rod filter 	●	●	●	<ul style="list-style-type: none"> <li>● Suitable for fine powders, for example toner.</li> <li>● FDA compliance.</li> <li>● The grey pleated rod filter is antistatic and in compliance with ATEX.</li> <li>● Min particle size 0.5 µm.</li> </ul>
		Pleated rod filter 			●	<ul style="list-style-type: none"> <li>● Suitable for fine powders, for example toner.</li> <li>● FDA compliance.</li> <li>● Min particle size 0.5 µm.</li> </ul>
9	Seals	Various seals 	●	●	●	<ul style="list-style-type: none"> <li>● Fulfils the requirements of FDA for piFLOW®f/p.</li> <li>● EPDM material.</li> </ul>
		Various seals 			●	<ul style="list-style-type: none"> <li>● Fulfils the requirements of FDA for piFLOW®p.</li> <li>● Silicone material.</li> </ul>
10	Fluidizing cone				●	<ul style="list-style-type: none"> <li>● Fulfils the requirements of FDA.</li> <li>● Antistatic (black cone).</li> <li>● For bridging powder.</li> </ul>

# Filter selection & pipe sizing, piFLOW®p

Conveyor model	G = Powder w. part.size >25 µm (granules) P = Powder w. min part.size >10 µm FP = Powder w. min part.size >5 µm UFP = Powder w. min part.size >3 µm B = Bridging / Sticky powder	Pump piPREMIUM 64	Pump piPREMIUM 100	Pump piPREMIUM 200	Pump piPREMIUM 400	Pump piPREMIUM 600	Pump piPREMIUM 800	Pump piPREMIUM 1200	Pump piPREMIUM 1600
piFLOW®p, vol. 2, 3, 7L, 1 filter	TX1, Textile filter 01		G						
	TX2, Textile filter 02		P B	G					
	TX4, Textile filter 04		FP B	P B	G				
	PR0, Pleated rod filter 00	P B							
	PR1, Pleated rod filter 01		P B						
	PR2, Pleated rod filter 02		FP B	P B					
	PR4, Pleated rod filter 04		UFP B	FP B	P B				
	P0, Pleated filter 00	FP							
	P2, Pleated filter 02		UFP	UFP	P				
	P4, Pleated filter 04		UFP	UFP	FP				
piFLOW®p, vol. 14, 33L, 3 filters	TX2, Textile filter 02			P B	G	G			
	TX4, Textile filter 04			FP B	P B	G	G		
	TX6, Textile filter 06			FP B	P B	P B	G	G	
	PR2, Pleated rod filter 02			FP B	P B	P B			
	PR4, Pleated rod filter 04			UFP B	FP B	FP B	P B		
	PR6, Pleated rod filter 06			UFP B	UFP B	FP B	FP B	P B	
	P2, Pleated filter 02			UFP	UFP	FP	FP	P	
	P4, Pleated filter 04			UFP	UFP	UFP	FP	FP	P
	P6, Pleated filter 06			UFP	UFP	UFP	UFP	UFP	FP
piFLOW®p, vol. 56L, 7 filters	TX2, Textile filter 02					P B	G		
	TX4, Textile filter 04					P B	P B	G	
	TX6, Textile filter 06					FP B	FP B	P B	G
	PR2, Pleated rod filter 02					FP B	FP B	P B	
	PR4, Pleated rod filter 04					UFP B	FP B	FP B	P B
	PR6, Pleated rod filter 06					UFP B	FP B	F B	G B
	P2, Pleated filter 02					UFP	UFP	FP	FP
	P4, Pleated filter 04					UFP	UFP	UFP	UFP
	P6, Pleated filter 06					UFP	UFP	UFP	UFP

Model [piFLOW®p]	Conveyor body inlet diameter, mm [inch]	Bulk density 0.4-1.0 kg/L. 25-62.4 lb/cubic ft	Bulk density 1.0-1.5 kg/L. 62.4-93.6 lb/cubic ft	Bulk density 1.5-2.0 kg/L. 93.6 - 124.9 lb/cubic ft
		Recom. conveying pipe diameter Ø, mm [inch]	Recom. conveying pipe diameter Ø, mm [inch]	Recom. conveying pipe diameter Ø, mm [inch]
Pump 64 Vol. 2	25 [1]	25 [1]	25 [1]	25 [1]
Pump 100 Vol. 3	51 [2]	38 [1.5]	32 [1.26]	32 [1.26]
Pump 200 Vol.7	51 [2]	51 [2]	38 [1.5]	32 [1.26]
Pump 400 Vol. 14	76 [3]	63,5 [2.5]	51 [2]	38 [1.5]
Pump 600 Vol. 33	76 [3]	76 [3]	63,5 [2.5]	51 [2]
Pump 800 Vol. 33	76 [3]	76 [3]	76 [3]	63,5 [2.5]
Pump 800 Vol. 56	102 [4]	102 [4]	76 [3]	63,5 [2.5]
Pump 1200 Vol. 56	102 [4]	102 [4]	76 [3]	76 [3]
Pump 1600 Vol. 56	102 [4]	102 [4]	76 [3]	76 [3]