

Conveyors and accessories

Piab's product series is called **piFLOW®** and it is offered in four models. The **piFLOW®i** for the general industry, the **piFLOW®f** for the basic food industry, **piFLOW®p** for premium applications and **piFLOW®t** for conveying tablets, capsules or other fragile material that needs gentle conveying.

Here is an introduction to the products suitable for this industry and their main features.



	Standards	piFLOW®i	piFLOW®f	piFLOW®p	piFLOW®t
Examples of products to be conveyed		Toner, plastics powder and granules, titanium dioxide, pigments, carbon black	Sugar, chocolate powders, milk powder, baking powder, wheat, corn flour	Sugar, chocolate powders, milk powder, baking powder, wheat, corn flour, seasoning, pharmaceutical active ingredients, powders, enzymes, detergents	Candy, capsules, coffee, coated tablets, other fragile material
ATEX dust		●	●	●	●
ATEX gas		-	-	●	●
FDA*		-	●	●	●
USDA**		-	-	●	●
EC 1935/2004		-	●	●	●
IQ/OQ		-	-	●	●
Steel quality		ASTM 304L	ASTM 304L	ASTM 316L	ASTM 316L
Surface finish		Ra < 3.2	Ra < 3.2	Ra < 0.6	Ra < 0.6
Max. capacity		5 tons/hrs	5 tons/hrs	14 tons/hrs	2-3 million parts/hrs***
Suitable for non free flowing material		●	●	●	-
Optimized for tablet/capsule conveying		-	-	-	●
Available also with mechanical pumps		●	●	●	-

* All materials in contact with the conveyed product fulfill the requirements of FDA.

** piFLOW®p/t is designed according to USDA dairy guideline.

*** Parts e.g. chewing gums, candy, capsules



Bag dump station for piFLOW®i/f

It is a contained system due to the dust collector (sold by others) that prevents foreign material from entering the system. Its internal volume is 100 liters and can handle approx. four small bags at a time. No dust from the conveyed product will reach the work area.



Feed station for piFLOW®p/t

A great solution for feeding bridging and challenging materials as it is possible to choose a fluidizing function. The feed station has a good technical height providing extra support for bridging/challenging material. The feed station has two points where you can add extra carrying air. Its volume is 40 liters.



Feed adapters

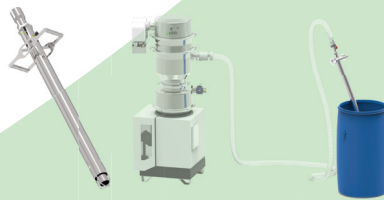
Feed adapter for piFLOW®i/f is optimized to fit Piab's or other feed stations available on the market for the piFLOW®i/f. The main applications are free flowing material and granules.

The feed adapter for piFLOW®p/t is optimized to fit the feed station or a transition piece for the piFLOW®p/t. A great solution for bridging materials and relatively large granules.



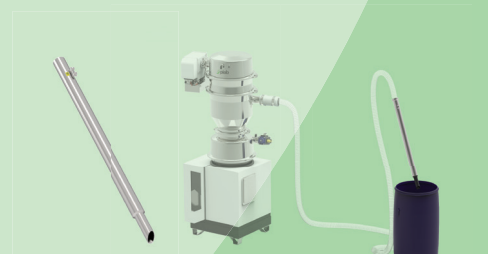
Suction pipes for piFLOW®i/f

A great suction pipe when you need a lightweight and ergonomically correct suction pipe. Optimal for free-flowing powder and granules. It has a ball valve to be able to add extra carrier air. To avoid sucking in bags, it has a small suction guard at the feed inlet.



Feed nozzle for piFLOW®p/t

Great nozzle for challenging materials since the air intake can be adjusted in many different positions. Optimized for powders and granules. The ergonomic handle improves the work environment for the nozzle operator. Provides for increased productivity and safety in the production area as there is a suction guard at the inlet that will prevent sacks, etc. from entering the pipe.



Feed pipe for piFLOW®t

One of the best solutions to convey tablets and capsules in the gentlest way from drums or IBCs. Its front end design will also increase the speed to convey the tablets/capsules. For increased productivity, it is designed to be very easy to clean.