

# Fristam PE

The powder dissolver that's a problem solver.



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Ярославль (4852)69-52-93

<https://fristam.nt-rt.ru/> || [fmg@nt-rt.ru](mailto:fmg@nt-rt.ru)

# Fristam PE powder dissolver

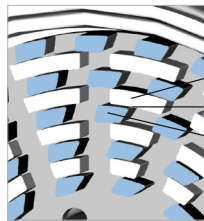
Perfectly dissolves and homogenises less soluble powders into liquid – in just one run. The Fristam PE enables constant, effortless mixing of wet and dry ingredients to create a totally homogeneous end product – all while being compact, ergonomic and extremely efficient.

**EXCEPTIONAL HOMOGENEITY** The Fristam PE was designed as a universal solution for mixing and homogenising less soluble powders into liquid media. Its design principle aims to create homogeneous mixtures in just one run.

The process starts with powder being deposited into a waist height hopper. The liquid and powder pre-mix is then run through a Fristam FSP shear pump. With shearing clearances of just 0.5 mm and tip speeds of up to 38 m/s, consistent homogeneity can be achieved reliably.

## IMPRESSIVE ADVANTAGES

Compared to conventional dissolving methods using tank mixers, the Fristam PE enables significant time and raw material savings and therefore increase your efficiency. The ergonomic working height eliminates the health and safety risks associated with carrying heavy powder bags up ladders, to tip powders into tank mixers.



Fristam FSP lid  
Shearing clearance 0,5 mm  
Fristam FSP impeller

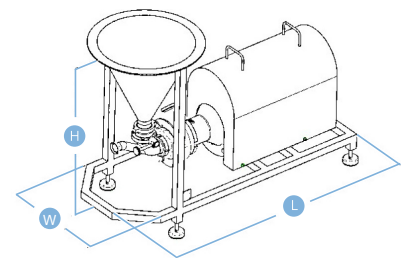
## PRACTICAL TESTING

Fristam are happy to loan you the PE to use in your system for a trial period free of charge. We'll help you with the initial set-up and be present during the commissioning of your own unit.

Our experienced regional engineers are happy to help at any time and can answer your questions concerning technical processes, throughout the lifecycle of your unit.

## THE FRISTAM PE AT A GLANCE

- guarantees homogeneous mixtures
- significant savings of time and raw material
- ergonomic working height



	Fristam FSP Shearpump 2,900 min <sup>-1</sup> – 50 Hz		Max. powder intake capacity [kg/h]		Recom- mended min. Ø of system pipe [mm]
	Pump model	Output [kW]	Granulated sugar	Milk or protein powder	
PE 02	FSP 3522	5.5 – 7.5	1,000	800	50
PE 03	FSP 3532	11 – 15	2,500	2,000	65
PE 04	FSP 3542	18.5 – 30	3,300	2,800	80
PE 05	FSP 3552	30 – 55	5,500	4,000	125

Dimensions [mm]		
Length	Width	Height
1,200	600	1,500
1,400	600	1,050
1,750	600	1,100
1,900	600	1,150

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