

ROTOTEC

the power of flow

Fristam PL

The powder dissolver that's a problem solver.



Fristam
PUMPS

Fristam PL powder dissolver

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

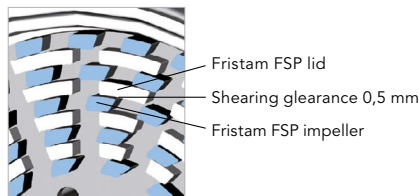
EXCEPTIONAL HOMOGENEITY

The Fristam PL 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 PL 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.



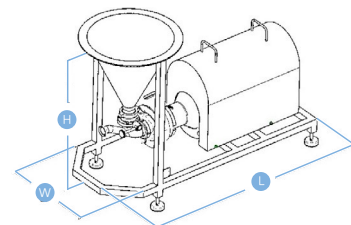
PRACTICAL TESTING

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 PL AT A GLANCE

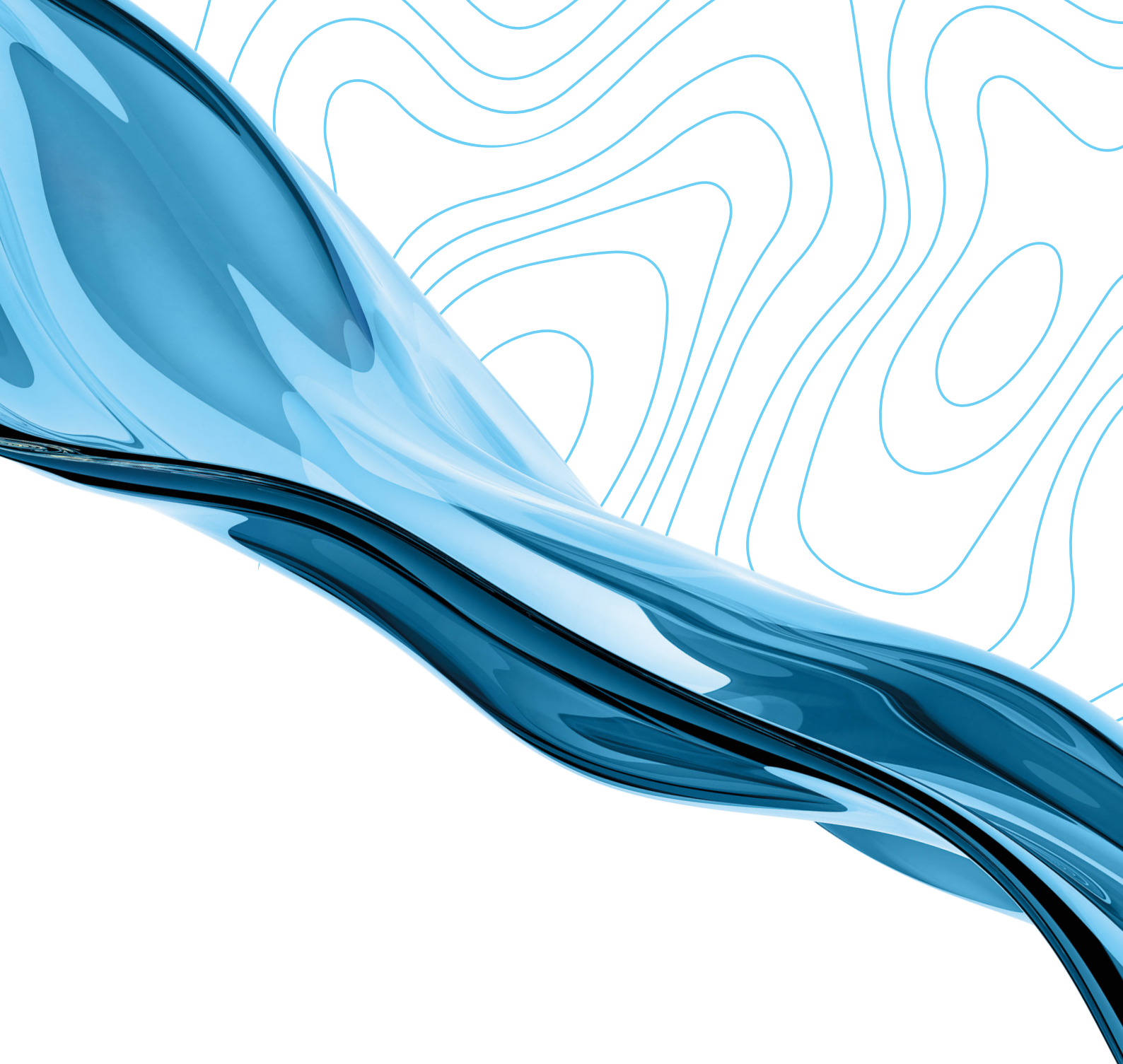
- guarantees homogeneous mixtures
- significant savings of time and raw material
- ergonomic working height



	Fristam FSP Shearpump 2,900 min ⁻¹ – 50 Hz		Max. powder intake capacity [kg/h]		Recommended min. Ø of system pipe [mm]
	Pump model	Output [kW]	Granulated sugar	Milk or protein powder	
PL 02	FSP 3522	5.5 – 7.5	1,000	800	50
PL 03	FSP 3532	11 – 15	2,500	2,000	65
PL 04	FSP 3542	18.5 – 30	3,300	2,800	80
PL 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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