

Fristam PL Powder Dissolver

The Powder Dissolver That's a Problem Solver



Fristam
Mixing & Blending Experts

Fristam PL Powder Dissolver

The Fristam PL Powder Dissolver delivers fast, consistent, and effortless mixing of free-flowing powders into liquids. Compact, hygienic, and robust, it provides a reliable inline solution—without clumps, waste, or excessive processing time. Built on Fristam's proven engineering principles, the PL combines outstanding performance with operator safety and ease of use.

WHERE IT'S USED

The PL Powder Dissolver is designed for industries where speed, hygiene, and consistency are critical, including food, beverage, dairy, pharmaceutical, and chemical processing. From flavoured milks and syrups to nutritional blends, syrups, and liquid bases, the PL ensures powders are fully incorporated for smooth, repeatable results.

It is particularly effective with ingredients such as sugar, protein powders, salts, citric acid, excipients, and fine chemicals—making it an ideal choice for both straightforward and high-volume applications.

FEATURES AND BENEFITS

At the heart of the PL is Fristam's forced passage mixing design, which ensures powders are thoroughly dispersed into the liquid stream. Operators benefit from the waist height operation which removes the need to climb ladders with heavy bags.

The system handles up to 8,000 kg/h of powder per minute, working with viscosities up to 500 cPs, and its compact construction saves valuable floor space. With minimal training required and straightforward maintenance, the PL is an efficient and economical choice for improving production lines.

TECHNICAL HIGHLIGHTS

- Powder intake capacity: up to 8,000 kg/h (depending on product and setup)
- Suitable for viscosities up to 500 cPs
- Stainless steel, food-grade construction
- Compact footprint for easy integration

OPTIONAL EXTRAS:

CIP covers, tabletop, customised hoppers, adapters for automated feed and big bag unloading

WHY CHOOSE FRISTAM?

Fristam has built a global reputation for delivering hygienic equipment that stands the test of time. With the PL Powder Dissolver, you don't just get a machine — you get full engineering support, a free on-site trial in your own facility, and ongoing service throughout the lifecycle of your equipment.

REQUEST A TRIAL

See the difference for yourself. Contact us today to arrange a free on-site trial of the Fristam PL Powder Dissolver and experience how much faster, safer, and more efficient your powder mixing process can be.

FRISTAM PL SIZING CHART: 2,900 RPM

Model	Power	Application Data		
	Motor kW	m ³ /h max	Sugar kg/h	NFDM kg/h
PL02	7.5	20	1,000	800
PL03	15	35	2,500	2,000
PL04	30	60	3,300	2,800
PL05	55	80	5,500	4,000

FRISTAM PL SIZING CHART: 3,500 RPM

Model	Power	Application Data		
	Motor kW	m ³ /h max	Sugar kg/h	NFDM kg/h
PL02	15	30	1,300	1,000
PL03	30	55	4,000	2,500
PL04	55	90	4,800	4,000
PL05	110	125	8,000	6,000

FRISTAM PL MEASUREMENTS:

Model	Measurements (mm)			
	Length	Width	Height	Connecting pipework Ø
PL02	1,400	600	1,150	50
PL03	1,550	650	1,200	65
PL04	1,750	650	1,250	80
PL05	1,900	700	1,300	125





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