

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 flavored 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 300 lbs 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 300 lbs/min (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, customized 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 no-risk, 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 no-risk, 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 hp	gpm max	Sugar lbs/min	NFDM lbs/min
PL02	10	90	35	30
PL03	20	155	90	75
PL04	40	265	120	100
PL05	75	350	200	145

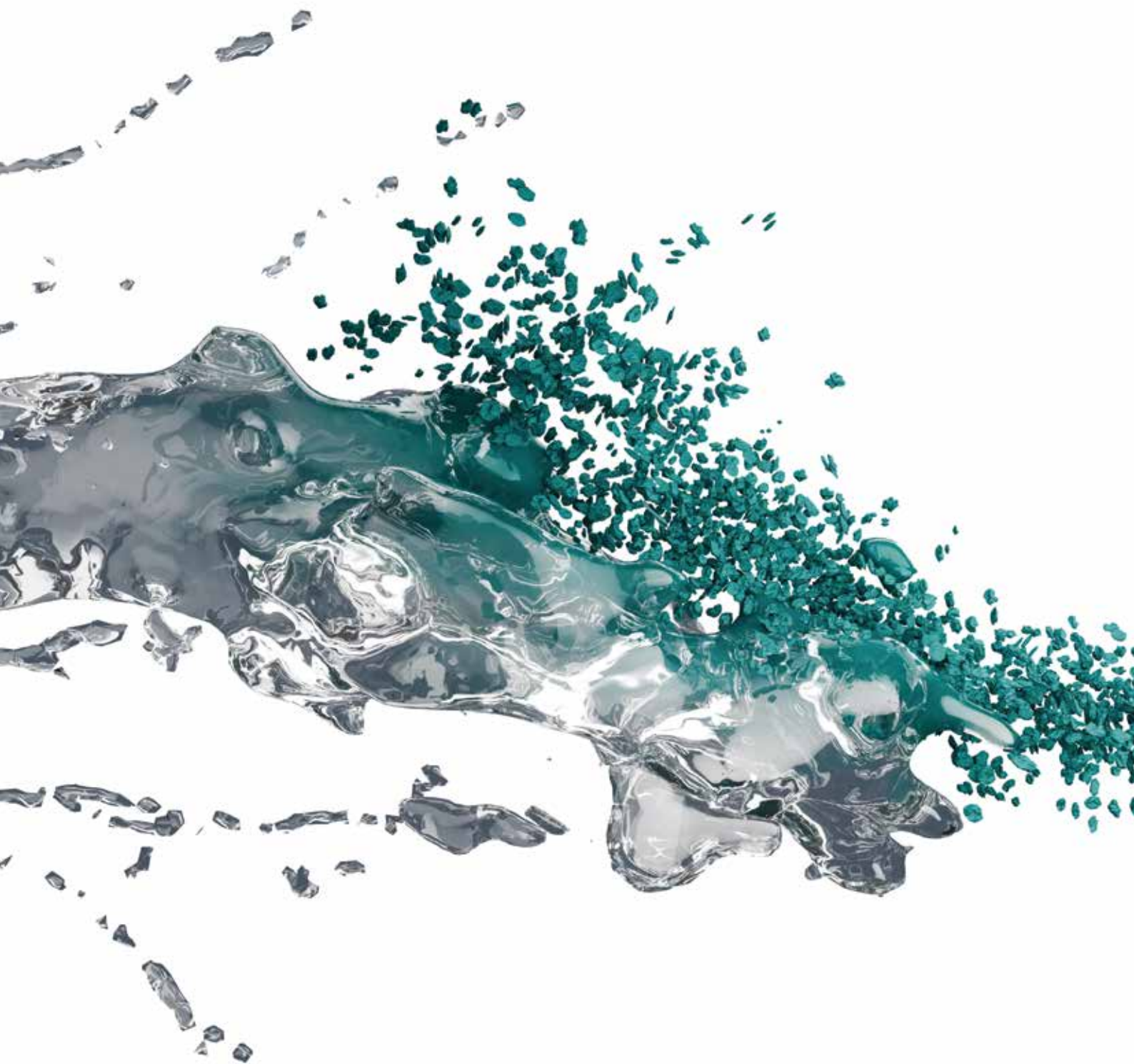
FRISTAM PL SIZING CHART: 3,500 RPM

Model	Power	Application Data		
	Motor hp	gpm max	Sugar lbs/min	NFDM lbs/min
PL02	20	125	50	40
PL03	40	300	150	100
PL04	75	400	175	150
PL05	150	550	300	225

FRISTAM PL MEASUREMENTS:

Model	Measurements (in.)			
	Length	Width	Height	Connecting pipework Ø
PL02	55	24	45	2
PL03	61	26	47	2.5
PL04	69	26	49	3
PL05	75	28	51	6





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