

Processing stirring tanks PST250–3000

STIRRING PROCESS:

MIXING PROCESS:

Produce with ease



Milk Whey Yogurts



Lactic cheese Creams



Chocolates Marmalades Pudding



Ketchup Sauces Panna cotta



Rice Milk Creamy cheese and much more ...

Stirrers	Your products	Viscosity (Cps)	+ scraper															
			Helical TYPE 1 R 25–70 rpm 30–160 m/min	Helical TYPE 2 R 17–50 rpm 21–120 m/min	Helical TYPE 3 R 25–70 rpm 25–160 m/min	Helical TYPE 4 R 25–70 rpm 30–160 m/min	Propeller TYPE 1 R 19–37 rpm 20–150 m/min	Propeller TYPE 2 R 20–200 rpm	Propeller TYPE 3 R 450–1800 rpm	Propeller TYPE 4 R 60–300 rpm								
Milk	3																	
Guar gum 0.5%	130																	
Sweet cream	200																	
Whey	500																	
Lactic cheese	500																	
Liquid yogurt	1000																	
Ketchup	1000																	
Stirred yogurt	2200																	
Yogurt	2600																	
Tomato sauce	2600																	
Chocolate	2800																	
Greek yogurt	3500																	
Guar gum 1%	4000																	
Marmalade	8500																	
Pudding	9000																	
Rice pudding	10000																	
Spreads	15200																	
Guar gum 2%	16000																	

MIXING STIRRERS	Dispersion LIGHT 500–1500 rpm	Dispersion PRO 600–3000 rpm	Dissolver 500–1500 rpm	Homogenization 500–1500 rpm	Blender 100–400 rpm	Screw 30–120 rpm
Guar gum 0.5%	130					
Sugar 20%	500					
Sugar 40%	1000					
Powders - type 1	1000					
Sugar 60%	1500					
Sugar 80%	2000					
Powders - type 2	3000					
Guar gum 1%	4000					
Powders - type 3	4000					
Guar gum 2%	16000					
Solid particles	0.01–0.5 mm					
	0.5–2.0 mm					
	2.0–6.0 mm					
	6.0–... mm					

As food producer I can make a lot of different foods with the same setup.

The helical type 1 stirrer is the best stirrer for mixing liquid products with solids, or simply granulated solids. The design of the stirrer provides gentle but effective mixing without damaging the solids.

The helical type 2 stirrer is a universal stirrer. Its design provides a gentle mixing of the product and an effective pumping effect. The stirrer is capable of strong displacement of the product from the top to bottom of the tank.

The stirrer acts as a helical type 2 stirrer when rotating clockwise. When rotating counter-clockwise the stirrer acts as a scraper.

The helical type 3 stirrer provides a good pumping effect. Its design (like the letter T) provide a flow in a shape of a spiral which enables a quite gentle mixing of the product and a good pumping effect for semi-viscous products.

The helical type 4 stirrer provides a good pumping effect. Its design (like the letter L) provide a flow which enables a quite gentle mixing of the product and a good pumping effect for low viscous products. The stirrer is positioned from the center.

The propeller type 1 stirrer provides a good pumping effect. Its centered position and the design of the shovels in one/two or more rows ensure the mixing of product from the top to the bottom of the tank.

The propeller type 2 stirrer provides an efficient pumping effect. The position and stirrer design ensure an efficient pumping effect in the vertical direction of the tank, which prevents solid particles from depositing on the bottom.

The propeller type 3 stirrer provides an efficient pumping effect. The position, design and high speed of the stirrer ensure the mixing of the product from the top to the bottom of the tank, which prevents solid particles from depositing on the bottom.

The propeller type 4 stirrer provides a good pumping effect. The position and stirrer design ensure mixing of the product. The stirrer is especially aggressive on hard solids in the product.

- Highly recommended
- Recommended
- Good
- Good with limitations
- Accessory

The LIGHT dispersion stirrer performs an optimal mixing without air intake. The stirrer can be used for suspension, dispersion and homogenization processes of low viscosity products. The dispersion head has custom made holes adapted to the process.

The PRO dispersion stirrer performs a high-performance mixing of content in the micro and macro range without air intake. It creates a controlled, wetting-out process by separating and breaking down the agglomerates. The stirrer can be used for suspension, dispersion and homogenization processes of semi-viscous products. The dispersion head has custom made slots adapted to the process.

The dissolver stirrer is used in emulsification and dispersion processes. It is designed for mixing liquid products with dispersed solids or for very viscous products.

The homogenization stirrer is used in homogenization processes. It is designed for low viscous products.

The blender stirrer is used for blending, mixing, and emulsification processes of semi-viscous products. The blender stirrer works in a combination with the helical type 2 stirrer which continuously supplies unmixed product.

The screw stirrer is used for mixing processes. It is designed to provide an efficient vertical flow of semi-hard pieces without damaging them and when mixing high viscous products. The screw stirrer works in combination with the helical type 2 and 3 stirrers which continuously supplies unmixed product.

Note: Rotation speeds depend on the vessel dimensions.