



IBC Mixer for Exceptional Performance



USEFUL INFORMATION

Our offices are open Monday to Friday from 8am to 18pm. Outside these hours thank you for contacting us by e-mail, we will respond quickly.

POFI-ENGINEERING SA

Société anonyme au capital de 111 300 €

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LEGAL INFORMATION

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CELLULL

IBC AGITATOR

APPLICATION

- ⇒ IBC agitators are vertical agitators equipped with a direct or gear motor. They can be used in mixing, dissolution, and maintenance processes.
- ⇒ This agitator is designed for almost all industrial processes such as chemistry, cosmetics, and containers with volumes of 800 or 1000 L.
- ⇒ IBC agitators can be designed according to the requirements of the process and the characteristics of the liquid to be mixed. The motor power and propeller type can be adjusted according to your needs.

OPERATION

- ⇒ IBC agitators are installed at the top of portable plastic containers (Intermediate Bulk Containers, IBCs) centrally with a collapsible propeller. The rotation of the propeller circulates the product downwards, then it rises along the walls of the IBC tank. At the same time, the product is mixed uniformly without lumps and prevents substances from settling at the bottom.
- ⇒ The reliable stainless steel frame is placed on the IBC tank and securely fastened with fastening clamps to the container structure.
- ⇒ As standard, the IBC agitator is provided with a lifting ring for hoisting the agitator using a hoist, and spaces on the modules are available for lifting the agitator using a forklift.

USER BENEFITS

- ⇒ Fast and homogeneous mixing of products.
- ⇒ Cost-effective solution for your process.
- ⇒ Version available for products with low and high viscosity.
- ⇒ Convenient assembly thanks to space for a forklift.

MATERIAL

Propeller.....	AISI 316 SS
Shaft	AISI 316 SS
Base Frame.....	AISI 304 SS
Hopper.....	AISI 304 SS
Sealing.....	NBR
Other materials.....	Consult your supplier



Folding Propeller

OPTIONS

- ⇒ Adjustable speed control with frequency converter
- ⇒ Hopper
- ⇒ Base frame
- ⇒ Motor protection
- ⇒ Pneumatic drive
- ⇒ ATEX model available



Marine Propeller



Cowler Propeller



Cup Propeller

MOTOR TYPE

The type of motor is selected based on the characteristics of the liquid to be mixed. The viscosity of the liquid is one of the most important factors in choosing the motor. Depending on the viscosity, the motor power and speed can be adjusted.



Direct Motor



Gearbox



Pneumatic Motor

IBC AGITATOR

Viscosity (cp)	Type of Propeller	Propeller Diameter (mm)	Drive	Power (kw)	Speed (rpm)
200	Marine	138	Gearbox ATEX	1,1	1500
600	Marine	138	Direct Motor	0,75	1450
600	Marine	138	Direct Motor	0,75	0-1450 VFD
800	Marine	138	Pneumatic	6 bar 2,7 Kw	300-3000
2000	Folding	340	Gearbox	0,75	190
2000	Folding	340	Gearbox	0,75	0-190 VFD
3000	Cup	600	Gearbox	0,75	190
3000	Cup	600	Gearbox	0,75	0-190 VFD
5000	Folding	340	Gearbox	1,5	290
5000	Folding	340	Gearbox	1,5	0-290 VFD
5000	Folding	340	Gearbox ATEX	1,5	200
10000	Cup	600	Gearbox	1,5	290
10000	Cup	600	Gearbox	1,5	0-290 VFD
20000	Cup	600	Gearbox	2,2	0-270 VFD

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