Agitator type KR 120

The TURBO-Mixer agitators of type KR120 are suitable as fast-running agitators for all low-viscosity mixing materials.
In the standard version, the agitators must not be used in pass through operation, but they can be designed for this.

Drive, bearing, seal

The motor of the KR120 has a reinforced bearing.
The connection of the shaft to the motor is firmly glued and, therefore, not detachable.
Depending on the application, the mixer is equipped with:

- a bearing lantern,
- a sealing flange or
- of a sealing lantern (V-ring, shaft seal, mechanical seal, stuffing box, etc.).

Mixer shaft and mixing impeller

The mixer shaft is made of solid material. The stainless steel or steel shaft can be additionally machined – depending on the application environment:

- Sheathing made of PP or PVDF
- Coating with ECTFE (Halar) or rubber coating
- Surface treatment such as ground, polished, nitrided, chrome-plated, nickel-plated...

The shaft length depends on the conditions of use. Additional bearing may be necessary.

The following versions are possible for the mixing impeller:

- Same material as the shaft (standard)
- With sheathed or coated shaft: Mixing impeller made of plastic (PP or PVDF) or coated.

The connection of the mixing impeller to the shaft (thread, force screws, welded ...) is just as dependent on the area of application as the number, shape and size of the paddles.

TURBO-Mixer advises you on mixing impeller selection and dimensioning for the desired area of application.

Mounting the agitator

The agitator is connected directly to the vessel either by flange or clamping device. Or it is mounted on a stand (with or without container clamping device), a wall mount or a traverse and from there, it is immersed in the container.
The aforementioned fastening devices are available from TURBO-Mixer – also designed according to customer specifications.

All agitators are manufactured by TURBO-Mixer in Germany. The components used – such as engines and gearboxes – are German makes. The agitators are designed for the respective application in such a way that optimum energy efficiency is achieved.

TURBO-Mixer configures and manufactures the agitator according to your requirements. Please contact us today.

TURBO-Mixer GmbH Misch- und Verfahrenstechnik is certified according to ISO 9001:2015.

Power supply	Three-phase current 400 V
Motor	with reinforced bearing
Power range	0.12 kW
Speed range	1500 rpm
Gearbox	none Inverter possible
Range of application	low-viscosity mix

Can be used in the food and pharmaceutical sectors with appropriate material selection and processing.

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Subject to change without notice!

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