Data Sheet
IKA-TURBOTRON RKG-06

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The TURBOTRON® agitators are classic economic machines designed to handle a variety of different stirring tasks. The TURBOTRON® agitators are most commonly used for: acceleration of dissolving processes, temperature transfer within a medium, or simple mixing of powders with a liquid phase.

TURBOTRON® agitators are used in combination with a variety of drives, seal systems and tools to accommodate a broad spectrum of tasks and operating conditions. While manufacturing custom agitators, IKA engineers determine the optimum dimensions, installation positions and customer-specific requirements. IKA produces agitators to work in a variety of situations: in open or closed vessels, with volumes from 100 to 20.000 litres, and with products having diverse characteristics and viscosities.

The RK and RKG series are designed to be used with either open or closed pressure-less vessels. The agitators with shafts are mounted directly on the drive motor (RK) or the geared motor (RKG).

The agitator shaft is supported by an additional bearing in the flange. PTFE graphite material is used to seal the bearing, which provides excellent running properties and maximum resistance.

The RF and RFG models are designed for use with closed and pressure vessels (standard 2,5 bar) and are equipped with a massive lantern; optionally also for full vacuum and/or pressures up to 10 bar. The agitator shaft is mounted separately and can be equipped with a shaft coupling. Two seals are available for these models: special radial shaft sealing rings made from a PTFE compound or a double-acting mechanical seal.

TURBOTRON® machines can be equipped with a high-speed propeller, axial turbine, stirring disk, toothed disk, beaker stirrer, slow-running anchor, skew blade or spiral stirrer with a high torque.

All agitators can be operated at temperatures from -10°C to 120°C. Parts on the IKA TURBOTRON that come in contact with the product are made from high-quality stainless steel. Agitator shafts and tools are dynamically balanced.

The agitators for open vessels are available with floor, wall or mobile stands.

The description of a TURBOTRON® machine contains the following information:

Type of machine
Size

Technical Data	
Batch size max. (H2O)	8000 l
Process pressure (max.)	0 bar
Process temperature, max.	120 °C
Mixing tools	variable
Motor power	5.5 kW
Rotational speed	250 rpm
Type of sealing	lip seal
Built-in length, max.	2000 mm
Weight approx.	140 kg
Ident. No.	**000RKG06**

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Stirring tool
Installation length

Example: The RK-01-P-1000 is a TURBOTRON® RK-01 with propeller (installation length of 1000 mm)

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