

EKATO FLUID

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INDISPENSABLE IN INDUSTRY-AGITATORS

Custom-built agitators with attractive prices and short lead times

FLUID
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Company Profile

FLUID Misch- und Dispergiertechnik GmbH is a member of the **EKATO Group** and was established by EKATO in Schopfheim in 1982.

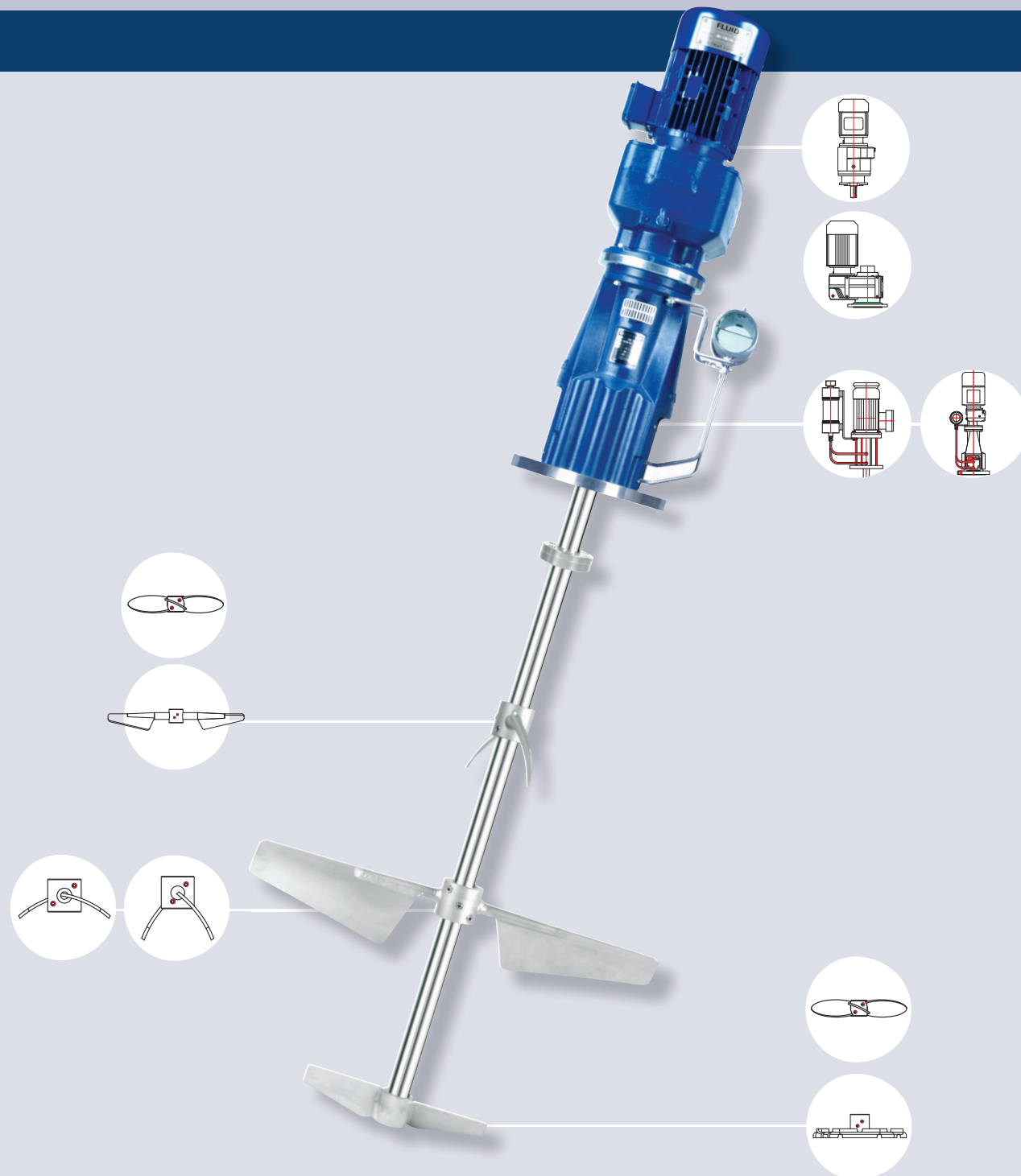
Our mission is to provide our customers with custom-built, top engineered industrial agitators at economical prices. The world class expertise of the entire EKATO Group is at our disposal in achieving this objective.

The FLUID range of products comprises agitators for applications in a wide variety of industrial sectors, in particular **chemicals, pharmaceuticals, wastewater, biotechnology, biofuels, paints and printing inks, fibers and textiles, raw materials, cosmetics, plastics, food products, mineral oils, pulp and paper, and environmental technology.**

With our workforce of some 40 employees we manufacture over 2500 agitators every year. Exports account for more than 50% of total sales.

FLUID quality management has been certified to **DIN ISO 9001** since 1995. In addition, to ensure the maximum safety of our agitators in the area of explosion protection, we have been certified to the **ATEX Directive 94/9/EC** since May 2002, as well as with **GOST certificates** for exports to Russia.

Advanced Process Solutions



922-01-007/2.000/04.08

Process engineered industrial agitators in first-class quality

EKATO FLUID delivers agitators with qualification approval according to 94/9/EG (ATEX) for maximum safety, and is also certified according to DIN ISO 9001:2000. The variety allows us custom-built solutions within a very short delivery time for a wide range of applications. Sealing systems from sealing specialist EKATO ESD and optimized impeller types complete our product range.



Advanced Process Solutions



FD

- Without shaft seal
- Shaft diameters 40 mm – 100 mm
- ATEX-certified

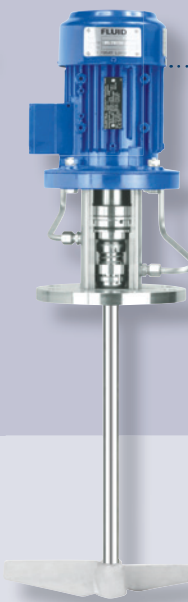
Application examples:

- Waste water treatment
- Sugar production
- Chemicals and water based paints
- Biofuels



FDE

- With shaft seal
- V-Ring
- Safety labyrinth seal
- Shaft diameters 40 mm – 100 mm

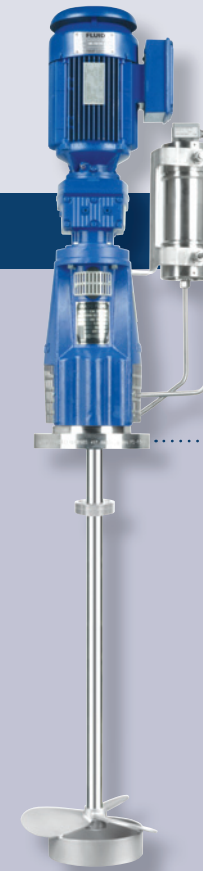


FGL

- EKATO FLUID agitator for smaller vessels and demanding operations
- Shaft diameters 25 mm – 40 mm
- Lantern = seal housing to enable small mounting flanges

Sealings:

- ATEX certified acc. to 94/9/EG
- Single and double acting seal

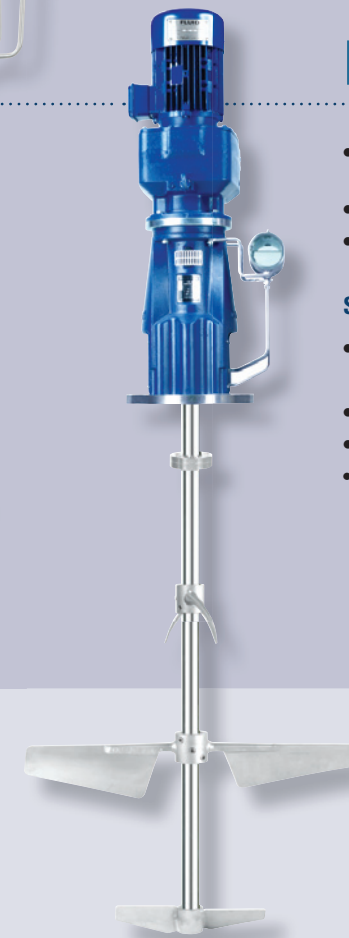


EM 2000

- Lantern with two bearings and elastic coupling
- Shaft diameters 40 mm – 100 mm
- ATEX-certified

Sealings:

- Mechanical seals Type ESD32T and 34N
- Lip seal
- Stuffing box
- Accessories, i. e. short heat trap or flushing device



Features and specifications

- EKATO FLUID delivers agitators with qualification approval acc. to 94/9/EG (ATEX)
- Material of all product wetted parts: SS 316 Ti (1.4571)
- Max. operating pressure 7 bar abs.
- Max. operating temperature 200 °C
- Shaft diameter from 25 mm – 100 mm
- Impeller diameter 125 mm – 2500 mm, motor power 0,55 kW – 55 kW
- Polished/grinded surfaces up to Ra 0,1 µm
- Flansch dimensions acc. to DIN or ANSI

Available shaft seals

- EKATO ESD 32T: single acting, dry running mechanical seal at a competitive price, ATEX-certified
- EKATO ESD 34N: double acting mechanical seal with various sealing liquids, ATEX-certified
- Lip seal or safety labyrinth seal
- Stuffing box

