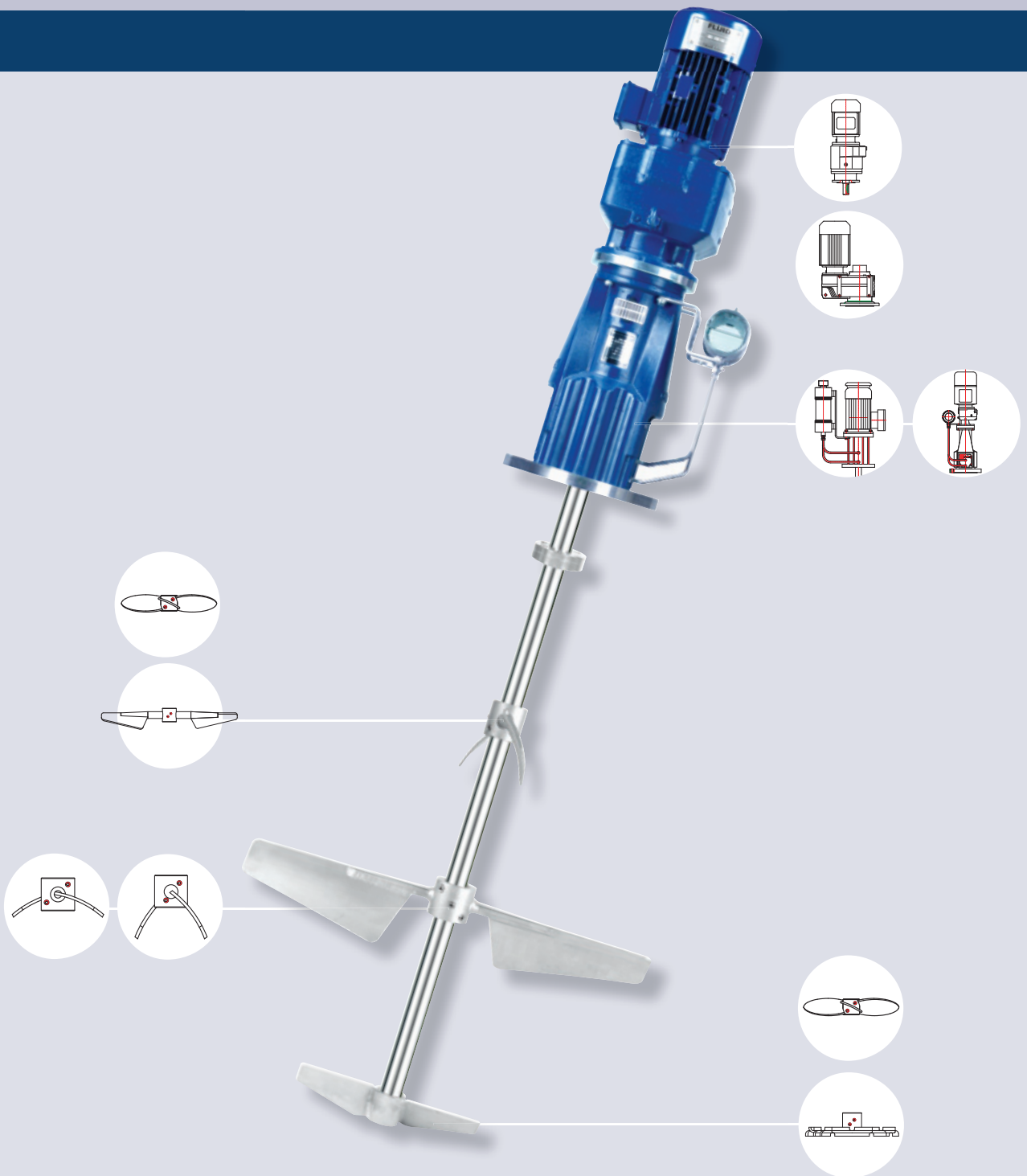


# EKATO FLUID

## INDISPENSABLE IN INDUSTRY-AGITATORS

Custom-built agitators with attractive prices and short lead times

Advanced Process Solutions



## 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

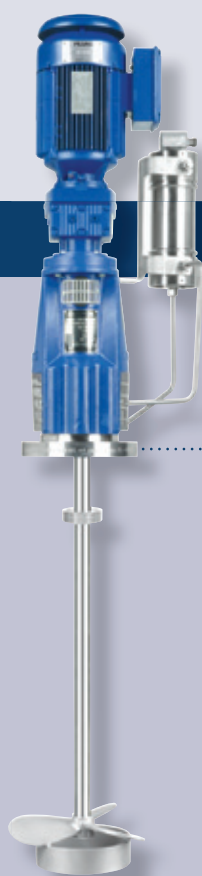
- EKATO FLUID agitator for smaller vessels and demanding operations
- Shaft diameters 25 mm – 40 mm
- Lantern = seal housing to enable small mounting flanges

#### Sealings:

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

### 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



## 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

### 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



# EKATO FLUID

FLUID  
Misch- und Dispergiertechnik GmbH

Im Entenbad 8  
79541 Lörrach  
Germany

Tel. +49 (0) 7621 5809-0  
Fax +49 (0) 7621 5809-16  
e-mail: fluid@ekato.com

[www.ekato.com](http://www.ekato.com)



## 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.