

# Mechanical Seals

ESD Mechanical Seals

Advanced Process Solutions

## Advanced sealing technology for the process industry

EKATO RMT provides a wide range of mechanical seals and supply systems, with it's own brand ESD, in various industries:

- Bulk chemicals
- Plastics
- Specialty chemicals
- Hydrometallurgy
- Flue gas desulfurization
- Paints and printing inks
- Cosmetics
- Pharmaceuticals

This provides great flexibility and offers the following advantages:

- Vessel temperatures from -60 °C up to +400 °C
- High pressures up to 200 bar
- Extreme sterility
- Batch/continuous operation
- Long service life



**EKATO**



## The EKATO GROUP Leading agitator manufacturer

Leading in the development and manufacture of industrial agitators, reactors, mechanical seals as well as vacuum process mixers and dryers for more than 80 years.

For the customers processes we offer a wide spectrum ranging from engineering services up to process development and process optimization.

Based on a global network of subsidiaries and service centers, EKATO guarantees the availability and operational reliability of agitators and processing plants on site.



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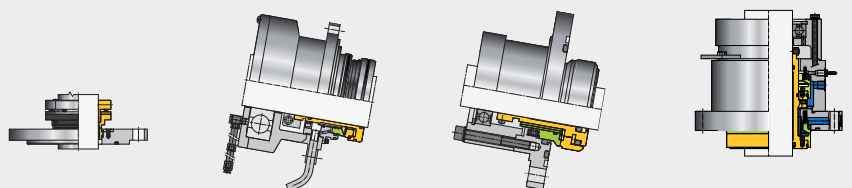
# Mechanical Seals



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	ESD 32 T	ESD 42	ESD 142	ESD 114
Operation mode	single acting			
Lubrication	dry running	product lubricated		
Shaft size (mm)	40-220	40-120	40-80	40-220
Max. sliding speed (m/s)	3,5	5	5	20
Max. pressure abs. (bar)	4	7	3	6
Max. temperature (°C)	230	80	100	200
Orientation (top, bottom side)	T	S	S	TBS
Application fields	standard vessels	flue gas desulfurization slurry	storage tanks	reactors/fermenters

- seal housing/bearing
- stationary seal parts
- rotating seal parts
- buffer fluid



# EKATO



**ESD 34 N**

**ESD 34 G**

**ESD 44**

**ESD 64 G**

**ESD 64 H**

**ESD 66**

double acting

triple acting

liquid lubricated

liquid lubricated

40-220

40-220

40-300

240-500

40-220

40-220

5

5

5

5

3

3

7

40

16

40

100

200

400

400

200

400

400

400

TS

TBS

TBS

TBS

TBS

TBS

standard vessels

standard vessels  
coaxial/enamel

sterile/slurry/solid

reactors/fermenters

high pressure  
reactors

very high pressure  
application

