

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 -50 °C up to +400 °C
- High pressures up to 200 bar
- Extreme sterility
- Batch/continuous operation
- Long service life



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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	ESD 32 T	ESD 42	ESD 142	ESD 114	ESD 34 N	ESD 34 G	ESD 44	ESD 64 G	ESD 64 H	ESD 66
Operation mode	single acting			double acting						triple acting
Lubrication	dry running	product lubricated		liquid lubricated						liquid lubricated
Shaft size (mm)	40-220	40-120	40-80	40-220	40-220	40-220	40-300	240-500	40-220	40-220
Max. sliding speed (m/s)	3,5	5	5	20	5	5	5	5	3	3
Max. pressure abs. (bar)	4	7	4	6	7	40	16	40	100	200
Max. temperature (°C)	230	80	110	200	400	400	230	400	400	400
Orientation (top, bottom side)	T	S	S	TBS	TS	TBS	TBS	TBS	TBS	TBS
Application fields	standard vessels	flue gas desulfurization slurry	storage tanks	reactors/fermenters	standard vessels	standard vessels coaxial/enamel	sterile/slurry/solid	reactors/fermenters	high pressure reactors	very high pressure application

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

