



EYS METAL

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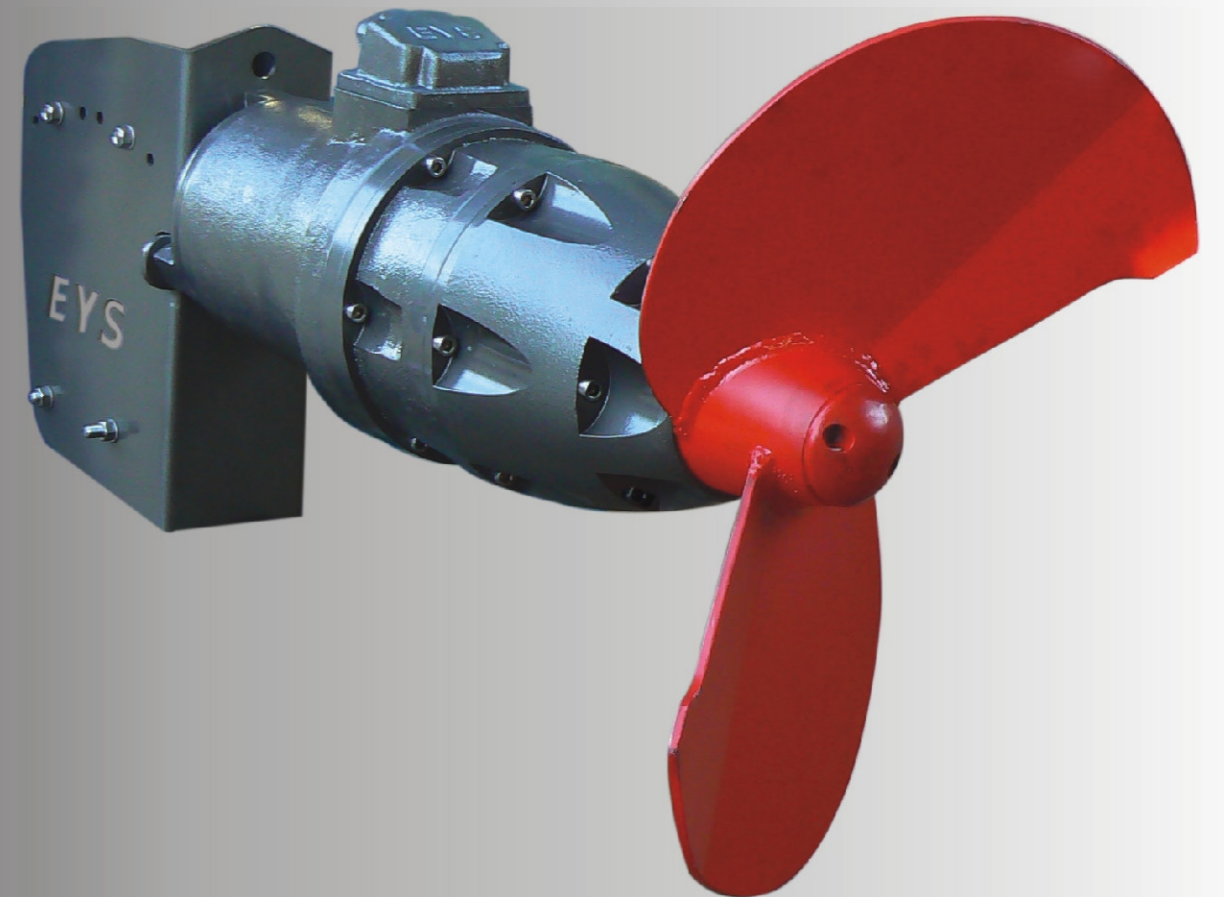
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“Your Reliable Partner in
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Agitators / Submersible Mixers



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EYS Agitators

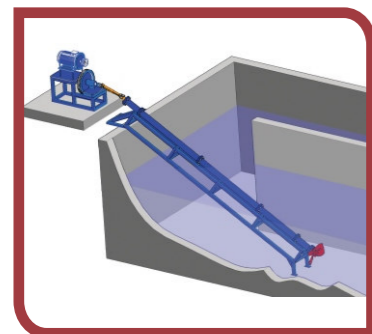
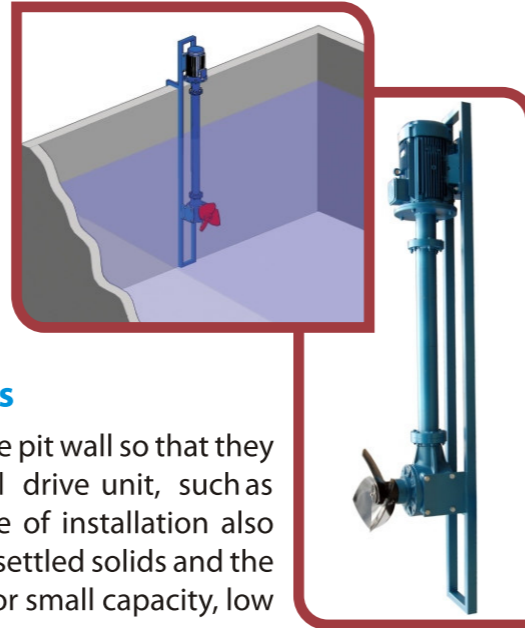
EYS agitators and mixers are designed to agitate the manure collected in your reception pit so that the necessary solid-liquid consistency can be achieved and maintained within the pit before the manure is pumped to the separator. This enables the manure to be pumped efficiently and without any disruption to the flow. Without agitating, the solids would settle in the pit, causing your manure pump to pick up only the liquid or the solid fractions of the slurry rather than a consistent mixture.

EYS offers a range of agitator models to serve varying manure handling needs. Different propeller designs and mechanical configurations are applied in each model's design for maximum versatility.

All of our agitators are specially coated with a special paint process to withstand the corrosive environments that they work in.

Vertical Stationary Agitators

This is our base model that offers a practical solution at an affordable price. It is recommended for low depth (<3m) pits that have relatively small capacity. It especially stands out with its low energy consumption.



Inclined Stationary Agitators

These are installed at an angle to the pit wall so that they can be powered with an external drive unit, such as a tractor or a belt-drive. The angle of installation also further facilitates agitation of both settled solids and the floating crust. It is recommended for small capacity, low depth (<3m) pits.

PTO-Driven Agitators

These are very similar to our inclined stationary agitators except for their added portability.

They can easily be lowered, raised, operated and transported by the tractor.

This allows for the utilization of the same single agitator at multiple small pits.

Electrical Lift

Our stationary agitator models can be equipped with an optional electrical lift system for improved ease of cleaning and servicing, as well as the ability to agitate at varying depths within the pit.

The electrical lift also extends the range of the pit depths that our stationary agitators can be installed at.

Power[kW]	7.5	7.5	11	11	15	22
rpm	325	500	325	500	500	325
Propeller ø [mm]	580	460	620	475	490	650



Submersible Agitators

Our state-of-the-art submersible agitator delivers outstanding mixing power for reception pits of all sizes and depths. Its robust design promises years of problem-free operation even under the harshest of environments.

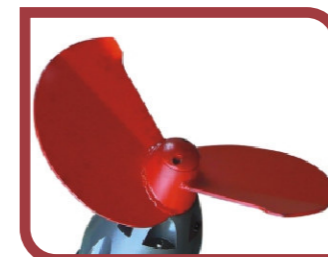
- * Transmission related power losses are minimized that are typical of vertical-shaft driven agitators
- * It delivers an impressive amount of agitation power at great efficiency thanks to its powerful 11 kW inline three-phase motor and planetary gear module
- * Equipped with thermal circuit breaker to protect from overheating under extreme conditions
- * Special body design with increased surface area for maximum heat dissipation
- * Electrical lift for effortless vertical positioning at various depths, for ease of servicing
- * Vertical angular positioning to target either the settled solids or the floating crust
- * Horizontal positioning around the vertical-axis (left/right) to target various directions within the pit

	Output	Voltage/Freq	Throughput	Pit Volume
EYS Submersible Agitator	11 kW	380V(50Hz) 208-230 / 460V(60Hz)	5500 m ³ /h	2300 m ³ /h

EYS Propeller Designs

Two-blade

- * Larger diameter
- * Lower rpm
- * Higher torque
- * Bi-directional rotation



Three-blade

- * Lower diameter
- * Higher rpm
- * Lower torque
- * Bi-directional rotation

