



**MILTON ROY®**  
**Mixing**

An Ingersoll Rand Business

## HELIFLOAT FLOATING MIXER

**Effective, Energy Efficient Agitation**  
for water treatment basins and tanks



Milton Roy Mixing has successfully developed a floating agitator to prevent particles settlement in basins, lagoons or large tanks. HELIFLOAT floating mixers are an economical, energy efficient investment, producing high-displaced volumes. This downdraft agitator effectively holds solid particles in suspension thanks to its high-power SABRE propeller. Since it is floating, HELIFLOAT mixer does not require a mounting device and can operate even at low levels.

### Benefits

- Installation without laying of a specific structure for the agitator
- Light equipment with easy handling, quick installation
- Operation at variable levels with the same efficiency
- Low maintenance (standard parts)
- Wide area treated = approx. 12 m (36 ft) diameters
- Temperature from -20 to +40 °C (-4 to +104 °F)

### Operating Principles

The combination of a propeller with a strong effect of propulsion and a specific body, included in the structure, canalizing the liquid jet, allows the propulsion up to 9 m (29.5 ft) depth.

Thanks to its four insubmersible floats, the HELIFLOAT agitator does not require any mounting structure ensuring an easy installation.

### Easy Installation

Regardless of the size, lagoons, basins and tanks can be fitted with several HELIFLOAT according to the volume mix.

The fixation is carried out by simple cable to prevent the gyration of the unit.

### Typical Applications

- Water Treatment
- Homogenization
- Solid Suspension
- Prevention of sludge / solids deposits
- And many more





## TECHNICAL SPECIFICATIONS

### Main Features

- Gearbox and motor driven
- Set of floats
- Stainless steel frame
- Flow guiding device
- SABRE propeller

### Electrical Features

- Power from 11 to 30 kW (14.75 to 40.23 HP)
- 50 Hz, three-phase
- IP 55

### Materials

- Stainless Steel (other materials on request)
- Painting: Standard MRM NRI 8999b

### Settlement

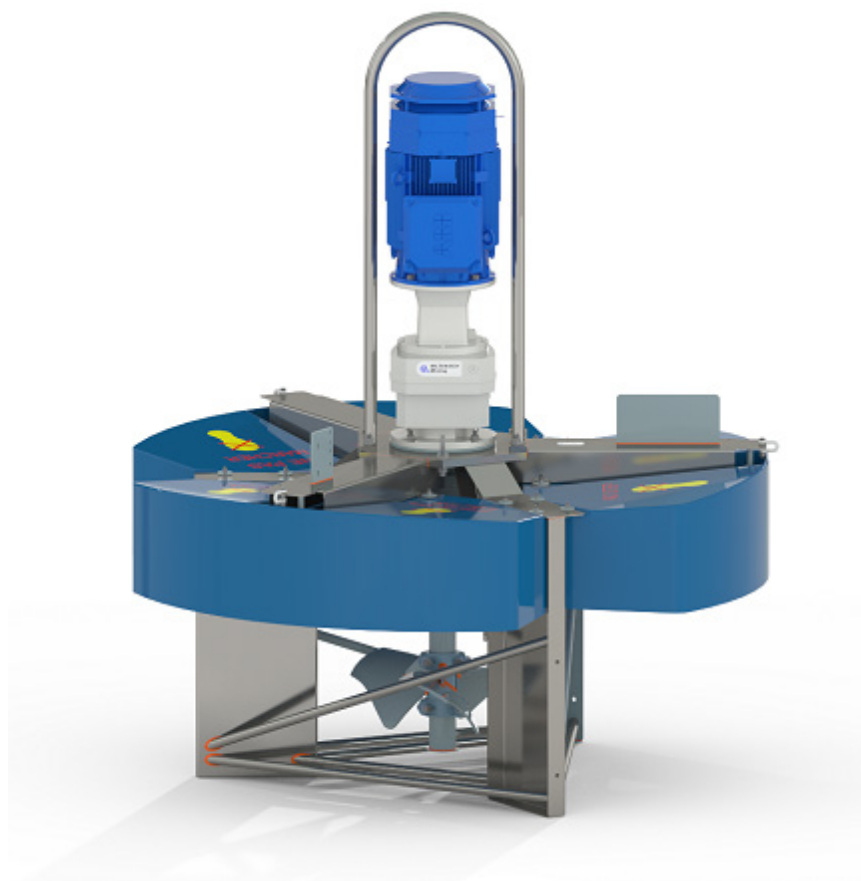
- One or several agitators possible depending of the tank / lagoon / basin surface
- Fixation by slings

### Standard of Excellence

- ISO 50001
- ISO 14001
- OHSAS

### Options (depending of the model)

- Motors adapted according to the environment, the country, and climatic conditions
- Materials selected to cope with corrosive behaviour of the mixed product



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