

The Milton Roy **HM** top-entry mixer is a configured unit engineered specifically for water treatment, chemical processing, mining, and general industry. Ideal for open tank applications in any volume, the mixer's high powered impeller provides greater flow and better velocity distribution throughout the tank. Milton Roy's Computational Fluid Dynamics (CFD) analysis ensures the ideal mixing results with scientific verification of your process.

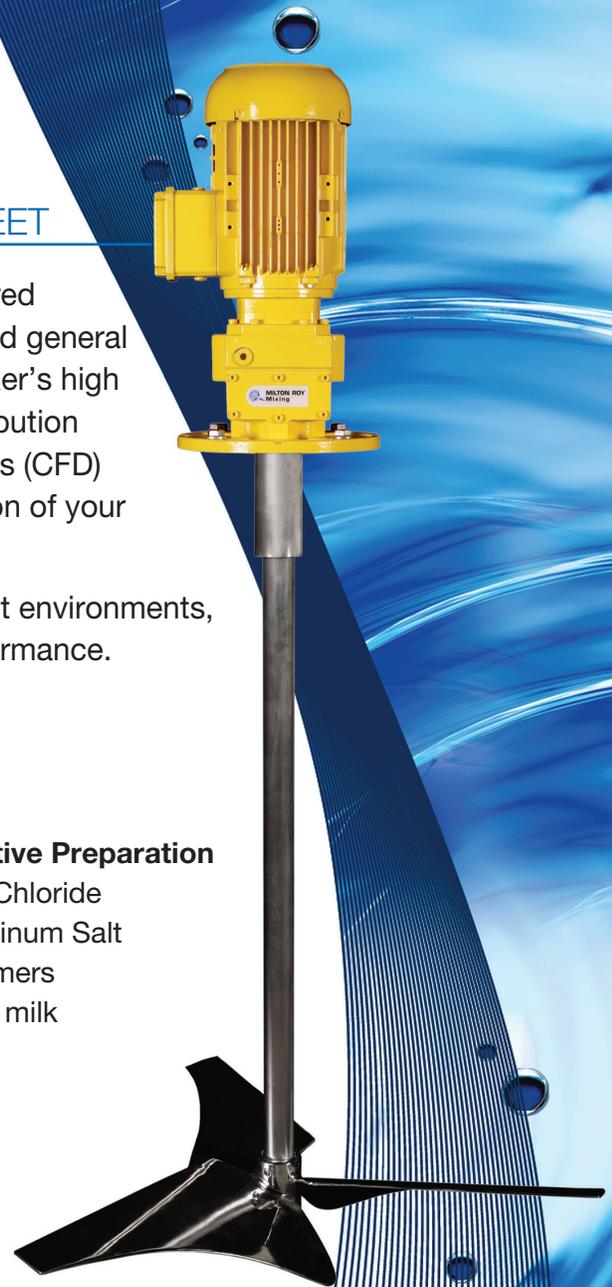
The HM mixer is a compact yet powerful unit designed for robust environments, energy savings, and a long product life for years of reliable performance.

### Applications:

- **Water Treatment**
  - Coagulation
  - Flocculation
  - Flash-mixing
  - Sludge Conditioning
  - Homogenization
  - Dilution
  - Dissolution
  - Neutralization
  - Storage
  - pH Adjustments
- **General Blending**
  - Paints
  - Inks
  - Additives
  - Adhesives
  - Lubricants
  - Coatings
  - Sump Mixing
- **Reactive Preparation**
  - Iron Chloride
  - Aluminum Salt
  - Polymers
  - Lime milk

### Features & Benefits:

- Modular configuration to meet specific application needs
- Configured components in stock for fast build and ship, short lead-times
- Easy mounting via adapter plate or standard ANSI mounting flanges to a square support on open tank applications
- Multiple mixers can be installed on a single tank
- 100+ year history for added product confidence
- Energy efficient for added savings
- Reliable operation with consistent results
- Easy to maintain, saving valuable time and resources
- Designed for rotation during filling and emptying of tank for optimum performance



**MILTON ROY**  
**Mixing**

At the heart of mixing

## Specifications:

### Operation

- Atmospheric pressure, outside location
- Temperature range <math><176^{\circ}\text{F}</math> (<math><80^{\circ}\text{C}</math>)

### Mixer data

- Rated power: 0.37 to 37kW
- Rotation speed 5 to 300 rpm
- Shaft length up to 12m

### Electrical data

- 230 to 690 Volts
- 50 Hz, 60Hz, low voltage, energy efficient
- IP 55, 65, 66, . . .

### Materials

- Stainless steel 316L or 304, duplex, super-duplex
- Painting: According to C2-C3-C4-C5

## Options:

- Motors based on country regulations and environment requirements
- Upgraded materials for aggressive environments
- Variety of impellers to choose from including the SABRE® impeller
- ATEX option
- Variable speed

## Standards of Excellence:

- ISO 9001
- ISO 14001
- OHSAS
- GOST\_R
- ATEX / UL Compliance (optional)

## Impellers:

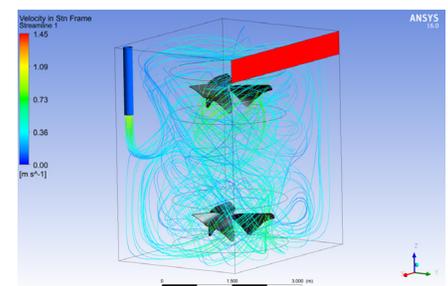
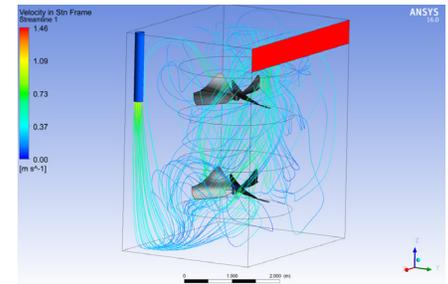
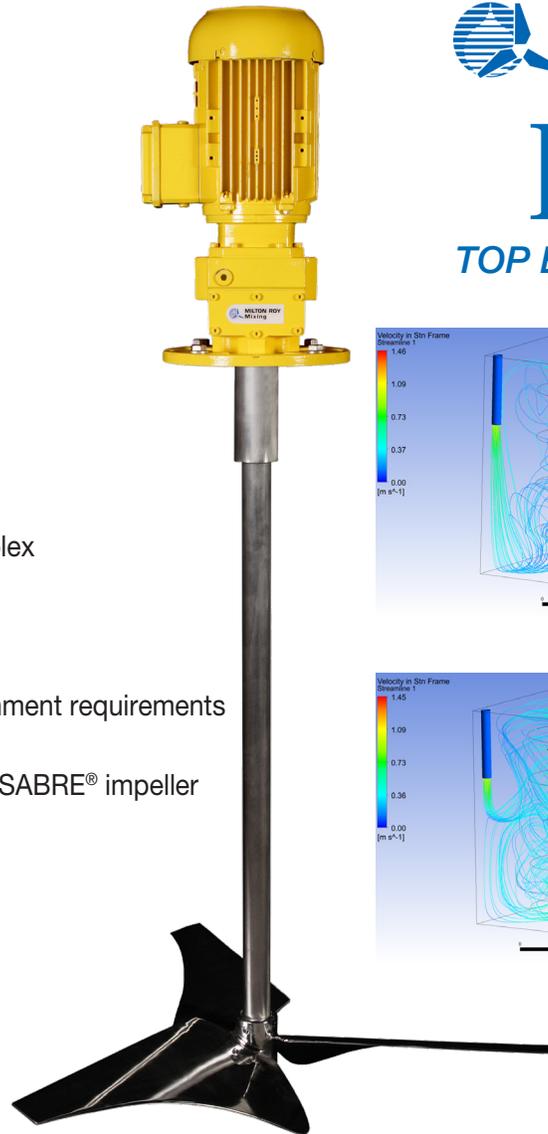
- PBT - Axial or Radial Flow
- HPM 20 - Axial Flow
- HPM 10 - Axial Flow
- 10 SG - Axial Flow
- R - Axial Flow
- Rushton Turbine - Radial Flow
- Curved Blade Turbine - Radial Flow
- Flat Blade Turbine - Radial Flow
- Counter Flow Impeller - Axial Flow

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# HM

## TOP ENTRY MIXERS



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