

Compact. Powerful. Consistent Results.

Milton Roy Mixing has developed a specific range of side-entry agitators for large-capacity storage tanks. Designed specifically for mounting on the wall at the base of the tank, this agitator is compact and energy-efficient. Its Sabre impeller enables quick and easy installation and guarantees optimum mixing. Its exclusive static sealing system makes maintenance quick, easy and reliable, without having to drain the tank.



Main Applications

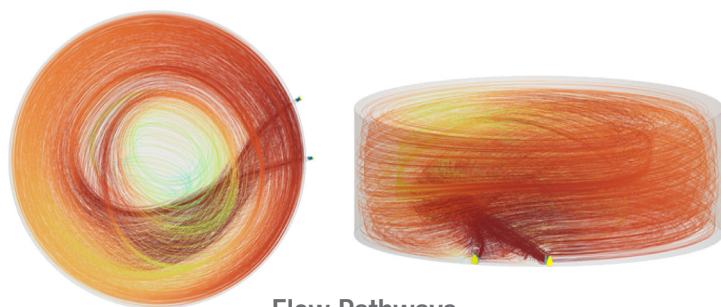
- BS&W Control in Crude and Condensates
- Blending
- Homogeneity
- Temperature Uniformity
- Crude Finishing
- Destratification

Products

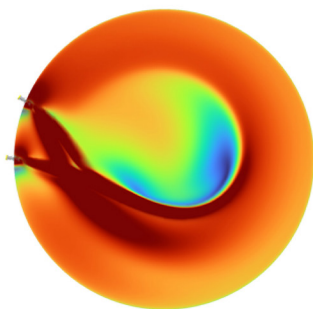
- Crude oil
- Refined by-products
 - Gasoline
 - Fuel oil
 - Diesel
 - Kerosene
- Bitumen and Naphthalene
- Bioethanol, Biodiesel and Condensate
- SAF
- Lubricant, Oil and Solvents
- Effluent/Water



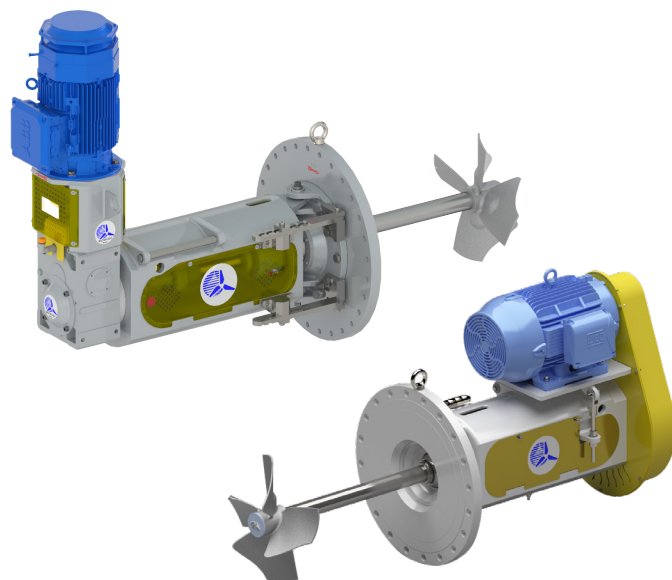
Side Entry Mixers



Flow Pathways



Velocity Distribution



Design Excellence

- Belt or gear driven
- Easy installation and maintenance
- High powered 4-blade Sabre impeller for greater flow
- Powergrip® GT4 Carbon or Eagle PD1® Drive - High quality belts
- Consistent agitation performance
- CFD (Computational Fluid Dynamics) analysis ensures the best mixing results
- Operating temperatures up to 250 °C / 480 °F
- Modular design
- Easy belt tensioning
- Test tank

Competitive Advantages

- Easy installation and maintenance
- Shorter mixing times
- Sabre impeller designed for larger tank volumes
- Turret design housing allows for ease of maintenance
- Long product life
- Short delivery lead-times
- Energy savings

Main Features

- From 100 to 210,000 m³ / 629 to 1.3 MM Barrels
- Fast shut off device
- 316L S.S. transmission parts
- Single mechanical seal (cartridge)
- Carbon steel impeller
- Variable or fixed angle

Optional Features

- Dual mechanical seal for leak prevention and emission control
- 316L S.S.
- Axis eccentricity
- Agitator shaft on flange

Standards of Excellence

- ISO 50001
- ISO 14001
- OHSAS
- ATEX / UL Compliance

Electrical Features

- Power from 7.5 to 55 kW / 10 to 75 HP
- IEC or NEMA motors as standard
- 50/60 Hz
- TEFC, Ex-Proof, IEEE-841 available

Powergrip is a registered trademark of Gates.

Eagle PD is a trademark of Goodyear Rubber Products, Inc.

Milton Roy Mixing® is a trademark of Ingersoll Rand®.

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