

Newmix® - Levtech® Magnetic Mixer

The Broadest Range of Disposable Mixing Technologies



Industrious Buffer and Media Machine

The Newmix®-Levtech® Magnetic Mixer disposable bag mixing system is based on a single-use mixing bag containing a bottom mounted disposable magnetic impeller on a disposable bearing. The single-use magnetic impeller includes a proprietary bearing assembly designed and composed to control particulate generation. The Magnetic Mixer disposable mixing system consists of an interchangeable magnetic drive unit and proprietary magnetic impeller based mixing bags fitted into retaining tanks on either a universal portable dolly or a floor mounted tank.

The magnetic drive motor is coupled with the mixing bag through a proprietary interface. The activation of the motor induces rotation of the in-bag impeller resulting in the mixing action inside a hermetically sealed bag. The coupling of the in-bag impeller with the drive motor is accomplished by magnetic forces only, therefore no dynamic seals or shaft penetration inside the bag is required. The drive motor is mounted on a portable cart that can be easily disconnected from the bag and reconnected to another mixing bag thereby allowing mixing in multiple bags of various sizes with a single drive motor.

Applications

- Buffer Preparation
- Media Preparation
- Formulation
- High viscosity mixing
- Heavy powder loads

Benefits

- Increase reliability, safety & security
- Eliminate cross contamination
- Increase throughput while reducing manufacturing costs
- Reduce initial start-up time & capital investment

Features

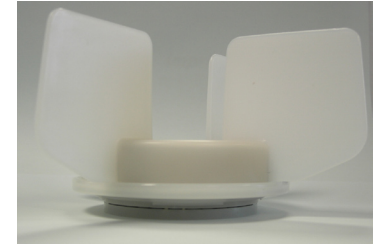
- Accommodates scaling from 10L up to 2000L
- Robust mixing...aggressive power for industrial applications
- Universal drive (one drive unit services all bag volumes)
- Portable, ergonomic hardware
- Simple and quick bag installation
- Hardware is easy to set-up and operate/control
- Available for use with floor scales or tanks with integrated load cells
- Can be used with jacketed containers for cooling and heating processes
- Designed to resist shedding of particles



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Magnetic Mixer Disposable Impeller Specifications

Parameter	Magnetic Mixer Disposable Impeller
Type	Radial flow
Number of blades	Four (4)
Material	USP Class VI, ADCF, gamma stable HDPE
Maximum operational speed	300 RPM
Location of the impeller in the bag	Center, off-center



Disposable magnetic impeller

Magnetic Mixer Drive Unit Specifications

Parameter	Magnetic Mixer Drive Unit
Power	Single Phase 115V or 230V AC, 50/60 Hz
Input wattage	< 150 Watts
Drive unit footprint	33" x 16" - 84 x 41 cm
Drive unit height	41" to top of handle - 104 cm
Drive unit weight	55 lb - 25 kg
Hardware	Stainless steel frame, 4 cleanroom wheels, push handle
Wet rating	NEMA 4X, IP 65



Magnetic mixer drive unit

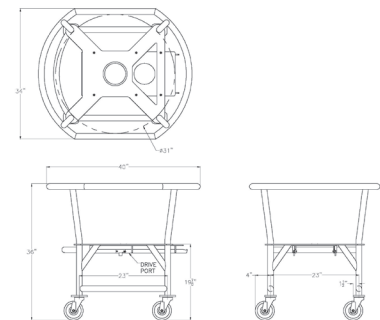
Ordering information

Magnetic Mixer Drive Units

Part Number	Description
MM-DU001	Portable drive unit with accessories - 110V
MM-DU002	Portable drive unit with accessories - 230V

Magnetic Mixer Standard Tanks & Dollies

Part Number	Description
MM-DBMC051	50L MDPE cylindrical retaining tank, central port
MM-DBMC101	100L MDPE cylindrical retaining tank, central port
MM-DBMC202	200L MDPE cylindrical retaining tank, dual port
MM-DBMC351	350L MDPE cylindrical retaining tank, dual port
MM-DBMC501	500L MDPE cylindrical retaining tank, dual port
MM-JTTL003	1000L stainless steel retaining tank on wheels, off-center port
MM-JTTL031	2000L stainless steel retaining tank on wheels, off-center port
MM-DBMC034	Universal stainless steel dolly, full-surround push bar
MM-DBMC036	Universal stainless steel dolly, one-sided push bar



Magnetic mixer stainless steel dolly

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ATMI LifeSciences is known for its development of engineered solutions that help customers with their handling of critical materials and critical active ingredients. The company's knowledge of advanced materials is one of their core competencies. ATMI LifeSciences proprietary films are manufactured in its facilities and meet approval standards for each application. Every step of the bag manufacturer process, as well as package assembly, is done in a controlled environment under cleanroom ISO Class 5 conditions at rest.



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