

WE OFFER
PERFECT
MIXING
TECHNOLOGIES



PHARMACEUTICAL



NUTRACEUTICAL



FOOD



CHEMICAL



BIO



HEALTH & BEAUTY



PM MAGNETIC MIXER

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The range of PerMix PM series Magnetic Mixer uses special magnetic driving and non-sealing technology, which is totally different from the common gear-drive agitators.

In a magnetic mixer, the magnetic couplings transmit the torque from the drive to the impeller by the magnet field. No direct touch of the impeller with the drive is necessary therefore no need for the conventional sealing, also they are working nearly without mechanical wear, which makes it possible that these magnetic mixers have much longer duty life with correct design and under proper working conditions.

The mixing head can be equipped with several different mixing elements such as propellers or Rushton turbines.

Biotechnology and fermentation are the most advanced fields of application in process technology. For quite a long time magnetic stirrers take over a leading role in high-tech agitation. There are also demands from other industries for magnetic mixers.

ADVANTAGES & OPTIONS

The features & options of PerMix Magnetic Mixers are:

- High blending capacity with low power consumption
- Highly hygienic design, easy cleaning and sterilization in the vessel by steam or hot water
- Bayonet / Tri-clamp connection for easy assembly/disassembly of the drive unit (Option)
- No sealing demand and no danger of leakage and contamination between batches
- Low shearing for shear-sensitive materials
- No wear of the mechanical parts leading to long duty life and minimum maintenance
- Ex-proof version for flammable fluid processing
- A variety of impeller types available for different applications



INSTALLATION

The PM series Magnetic Mixer is designed to be bottom mounted to the mixing vessel. A weld plate is firstly welded to the vessel bottom, and then the impeller is mounted from the top, while the drive is mounted from the bottom onto the weld plate by bolts or clamping.



SPECIFICATIONS

Model	Max. Capacity, Liter	Motor Power, kW	Impeller Diameter	Speed, rpm
PM-90	50	0.18	90	375
PM-120	300	0.37	120	375
PM-155	500	0.55	155	375
PM-200	1,000	0.75	200	375
PM-220	3,000	1.5	220	375
PM-240	4,000	2.2	240	375
PM-260	6,000	4	260	320
PM-320	10,000	5.5	320	290

- Specific working volumes can be offered according to customer's requirement.
- Speed can be adjusted according to customer's request.
- All specifications are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

PerMix Tec Co., Ltd.

Room 1-1214, No.1888,
N. Shengxin Rd, Jiading,
Shanghai, 201807, China

Tel: +86-133-9116-8218

Fax: +86-21-3375-8218

www.permixtec.com

www.permix-mixing.com

PerMix in China

Shanghai, 201821, China

Contact: Mr. Aaron Huang

Tel: +86 133 911 68218

Email: aaron.h@permixtec.com

PerMix in Israel

Adi 17940, Israel

Contact: Mr. Arie Srugo

Tel: +972-54-908-0144

Email: srugo@permixtec.com

PerMix North America

Chicago, Illinois,

60601, USA

Contact: Mr. John Paul

Tel: +1 630-649-1357

Email: John.paul@permixtec.com

South America office

Buenos Aires, Argentina

Contact: Mr. Gonzalo Villagra

Tel: +54-9-11-35374801

Email: gonzalo.villagra@permixtec.com

UK office

Scotland, UK

Contact: Mr. James Ryder

Tel: +44 (0) 7554139667

Email: james.ryder@permixtec.com

South Africa office

South Africa

Contact: Mr. Martin Whelan

Email: saf@permixtec.com

Russia office

Contact: Mr. Vladislav Dyuzhev

Tel: + 7 910 443 9924

Email: ru@permixtec.com

Ukraine office

Contact: Mr. Viacheslav Pishyi

Tel: +38 067 45 44 694

Email: ua@permixtec.com

