

PM - Magnetic Mixer

Introduction:



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

In a magnetic mixer, the magnetic couplings transmit their torque without direct touch of the mixing head, but by the magnetic field, thus 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.

Advantages:



The advantage of 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 coupling for easy assembly/disassembly of the drive unit
- 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

Applications:



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.

Specifications:

Model	Max. Capacity, Liter	Motor Power, kW	Impeller Diameter	Speed of Impeller, rpm
PM-80	50	0.18	80	450
PM-120	300	0.18-0.55	120	450
PM-155	1,000	0.55-0.75	155	450
PM-200	3,000	1.1-1.5	200	350
PM-220	5,000	1.5-2.2	220	350
PM-240	7,000	3-4	240	350
PM-320	10,000	4-5.5	320	350

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

Gallery:



www.permix-mixing.com

PM Magnetic Mixer with SEW Drive



www.permix-mixing.com

Variable Size of Impellers



www.permix-mixing.com

PM Mixer with Direct Motor Drive



www.permix-mixing.com

Four-blade Impeller of PM Mixer