

## 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 / 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

## 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	0.18-0.25	80	350
PM-120	200	0.37-0.55	120	350
PM-155	800	0.55-0.75	155	350
PM-200	2,000	1.1-2.2	200	350
PM-220	4,000	2.2-3	220	350
PM-240	6,000	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](http://www.permix-mixing.com)

PM Magnetic Mixer Mounted in the Tank



[www.permix-mixing.com](http://www.permix-mixing.com)

Variable Size of Impellers



[www.permix-mixing.com](http://www.permix-mixing.com)

Impeller, Weld Plate, Cap and Screws



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Full Parts of PM Mixer