

## ABOUT THE MIXMASTER

The **MixMaster** is the most energy efficient and flexible self pumping mixer on the market:

- Low energy/high efficiency
- Strong shear rate
- Low service cost
- Designed according to EHEDG
- Step-file available on inquiry

The **MixMaster** is developed for products with low to medium viscosities.



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## SPECIFICATIONS

The **MixMaster** is most energy-efficient solution for inline High Shear mixing on the markets.

The mixer works according to the rotor-stator principle, where a special closed mixing wheel passes the product through the patented stator.

The mixer unit is very versatile and can be used in many setups and application. For low to medium viscosity the mixer performs the out pumping action itself.

For high-viscose applications (>500cp) the setup requires positive feeding.

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## APPLICATIONS

The **MixMaster** has been optimised for mixing of a wide range of products, e.g.:

- Batch operation - the mixer is placed in a circulation loop over a process vessel
- Inline setup - the mixer is placed between to process vessels and operates in single pass. For some applications the mixer works as a light homogenizer

Emulsion, Droplet size reduction, slurries, concentrates (Liquid/Liquid), Pigment solution, Smoothing of Yoghurt, viscosity reduction of Yoghurt. Fish-eye removal in soft drinks / stabiliser solutions, Blending applications.

For other application please contact Daniatech.

Homogenization down to 2 $\mu$  lump free.

## EQUIPMENT

### STANDARD EQUIPMENT

Mixer unit (WEG) (230/400V 50Hz) with shaft sealing (to be frequency controlled)
Tri-clamp inlet/outlet
Motor Cover
Frame with 4 feeds

### OPTIONS

Double mechanical shaft seal with Bürkert (1/8") solenoid valve and throttle valve
Bypass loop for extra circulation over mixer
Fitting SMS DIN/ISO. Other on request
Other motors, Nema exx & etc on request.
Injector for powder intake with 100 litre funnel (see InjectMaster data sheet)
Start/stop Box with soft starter
Start/stop Box with frequency inverter

## TECHNICAL DATA

Model:	Motor	Flow	Mixer capacity:	Inlet pressure
MixMaster 32 - 160	5.5 kW	25 (2 Bar) m <sup>3</sup> /h	5 m <sup>3</sup> /h	0.5 - 5 Bar
MixMaster 50 - 160	7.5 kW	30 (2 Bar) m <sup>3</sup> /h	7.5 m <sup>3</sup> /h	0.5 - 5 Bar
MixMaster 80 - 160	11 kW	40 (2 Bar) m <sup>3</sup> /h	10 m <sup>3</sup> /h	0.5 - 5 Bar
MixMaster 100 - 200	30kW	90 (4 Bar) m <sup>3</sup> /h	25 m <sup>3</sup> /h	0.5 - 5 Bar
MixMaster 100 - 200	45 kW	125 (4 Bar) m <sup>3</sup> /h	30 m <sup>3</sup> /h	0.5 - 5 Bar

Model:	Outlet pressure	Service Water*	Weight	Dimensions (H x W x D)
MixMaster 32 - 160	2.5 - 7 Bar	20 L/h	75 kg	650 x 420 x 930 mm
MixMaster 50 - 160	2.5 - 7 Bar	20 L/h	75 kg	500 x 420 x 930 mm
MixMaster 80 - 160	2.5 - 7 Bar	20 L/h	80 kg	650 x 420 x 930 mm
MixMaster 100 - 200	2.5 - 8 Bar	20 L/h	110 kg	908 x 460 x 930 mm
MixMaster 100 - 200	2.5 - 8 Bar	20 L/h	150 kg	908 x 680 x 1150 mm

