

# MixMaster

#### 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



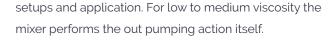
## **Specifications**

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

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



- · 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

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

# **Applications**

The MixMaster is used for mixing of powders and liquids e.g.:

- Emulsion
- Slurries
- · Concentrates (Liquid/Liquid)
- · Smoothening & viscosity reduction of yoghurt
- Fish-eye removal in soft drinks / Stabiliser solutions
- Blending Applications

Homogenisation down to 2µ lump free.



# Equipment

#### STANDARD EQUIPMENT

Mixer unit (WEG) (230/400V 50Hz) with shaft sealing (to be frequency controlled)

Tri-clamp inlet/outet

Motor cover

Frame with four legs

### **OPTIONS**

Double mechanical shaft seal with solenoid valve and throttle valve

Bypass loop for extra curculation 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>s</sup> /h	5 m <sup>s</sup> /h	0.5 - 5 bar
MixMaster 50-160	7.5 kW	30 (2 bar) m <sup>s</sup> /h	7.5 m <sup>s</sup> /h	0.5 - 5 bar
MixMaster 80-160	11 kW	40 (2 bar) m <sup>s</sup> /h	10 ms/h	0.5 - 5 bar
MixMaster 100-200	30 kW	90 (4 bar) m <sup>s</sup> /h	25 m <sup>s</sup> /h	0.5 - 5 bar
MixMaster 100-200	45 kW	125 (4 bar) m <sup>s</sup> /h	30 m <sup>s</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		
*When flushed, mechanical seal is selected						