

LiquidMaster

ABOUT THE LIQUIDMASTER

The LiquidMaster is the most energy-efficient and flexible mixer on the market:

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

Specifications

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

The LiquidMaster is most energy-efficient solution for inline high-shear mixing on the market. The powder is dosed manually into the vessel, where the liquid level is manually controlled by a butterfly valve on the inlet pipe.

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



The mixer unit circulates approx. 75% of the liquid back into the vessel. The mixer unit is very versatile and can be used in many setups and applications.

Viscosity >500 cP will normally require a booster on the outlet of the mixer.

The mixer system is integrated into a table that offers an ergonomic working position.



Applications

The LiquidMaster is used for mixing of:

- Powders and liquids
- Sugar solutions
- Recombined dairy products
- Emulsifiers and stabilisers
- Brine
- Etc.

Homogenisation down to 2 μ lump free.

Equipment

STANDARD EQUIPMENT

Mixer unit (WEG) (230/400 V 50 Hz) with single shaft seal

Tri-clamp inlet/outlet

CIP spray ball with manual butterfly for cleaning

OPTIONAL EQUIPMENT

Double mechanical shaft seal with Bürkert (1/8") solenoid valve and throttle valve

Control cabinet with Start/Stop

Control cabinet with speed control

Fittings: SMS, DIN 11864, other on request

Other motors, Nema exx, etc. on request

Technical data

Model	Motor	Flow	Mixer capacity	Tank volume	Powder capacity
LiquidMaster 50-160	7.5 kW	25 m ³ /h	15 m ^s /h	100 l	40-60 kg/min
LiquidMaster 50-160	11 kW	30 m ³ /h	20 m ^s /h	100 l	60 kg/min

Model	Inlet pressure	Outlet pressure	Service water*	Weight	Dimensions (H x W x D)
LiquidMaster 50-160	0.5 bar	2 bar	20 l/h	150 kg	970 x 750 x 1600 mm
LiquidMaster 50-160	0.5 bar	2 bar	20 l/h	200 kg	970 x 750 x 1600 mm

* When flushed, mechanical seal is selected