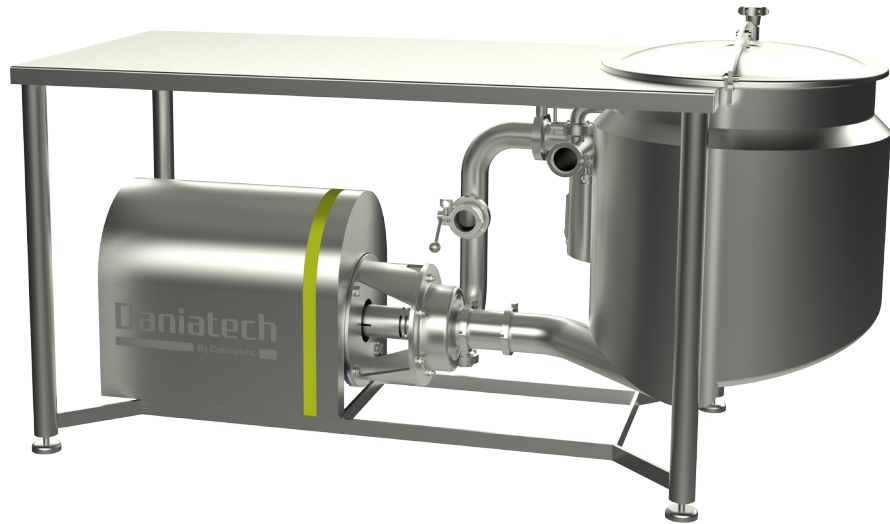


Daniatech LiquidMaster



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 slots.

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.

For low to medium viscosity the mixer performs the out pumping action itself. For high-viscose applications (>250cp) the setup requires positive feeding.

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

Applications:

The mixer is used for mixing of powders and liquids, for sugar solutions, recombined dairy products, brine, emulsifiers, stabilizers, etc. Homogenization down to 1 my lump free

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

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

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

Standard equipment:

- Mixer unit (WEG) (230/400V 50Hz) with shaft sealing
- Tri-clamp inlet/outlet
- CIP spray ball with manual butterfly for cleaning

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Options:

- Double mechanical flushed shaft seal with Bürkert (1/8") solenoid valve and throttle valve
- Control cabinet with Start/Stop
- Control cabinet with speed control
- Automatic level control (regulation valve/pressure transmitter)
- PID level controller built into cabinet
- Fitting SMS DIN/ISO Other on request
- Other motors, Nema exx., etc. on request

Technical data:

Model:	Motor	Flow	Mixing Capacity	Tank Volume	Powder capacity
LiquidMaster 25-200	11 kW	25 m ³ /h	15 m ³ /h	200 l	60 kg/min
LiquidMaster 40-200	18.5 kW	40 m ³ /h	20 m ³ /h	200 l	100 kg/min

Model:	Inlet pressure	Outlet pressure	Service Water*	Weight	Dimension (HxWxL)
LiquidMaster 25-200	0.5 Bar	2 Bar	20 l/h	150 kg	970 x 2000 x 870 mm
LiquidMaster 40-200	0.5 Bar	2 Bar	20 l/h	200 kg	970 x 2000 x 870 mm

*When flushed mechanical seal is selected

