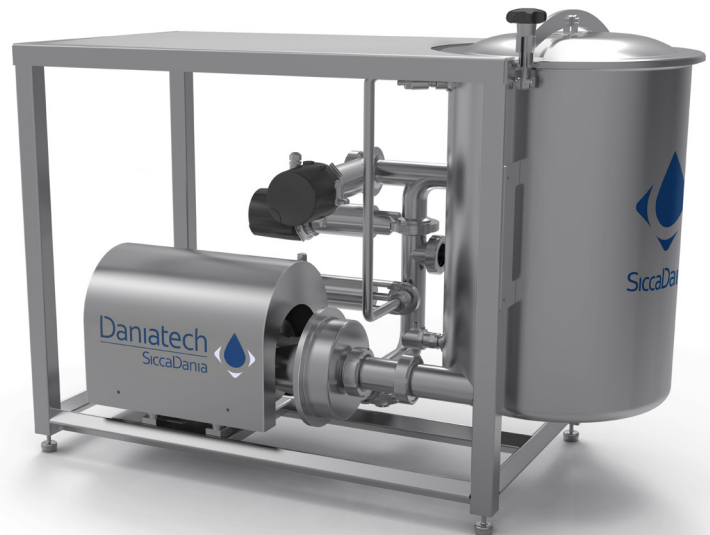


LiquidMaster

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 request

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



APPLICATIONS

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 out-let 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
- For sugar solutions
- Recombined dairy products
- Brine
- Emulsifiers
- Stabilizers
- Etc.

Homogenization down to 2 μ lump free.



LIQUIDMASTER

EQUIPMENT

STANDARD EQUIPMENT:

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

OPTIONS

| |
|--|
| Double mechanical shaft seal with Bürkert (1/8") solenoid valve and throttle valve |
| Control cabinet with Start/Stop |
| Control cabinet with speed control |
| Fitting SMS DIN/ISO. 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 ³ /h | 200 l | 40 - 60 kg/min |
| LiquidMaster 50-160 | 11 kW | 30 m ³ /h | 20 m ³ /h | 200 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

