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Verfahrenstechnik

HOMOGENIZING MIXER

SYMEX CML125



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For efficient development and flexible production at pilot and small-scale level.

Ideal for the production of emulsions, gels, suspensions, creams, lotions, toothpastes and pastes.

Technical Data – CML 125

- Usable volume: 125 liters
- Total volume: approx. 200–215 liters
- Permissible vessel pressure: up to 2 bar
- Jacket pressure: up to approx. 4 bar
- Material (product-contact parts): stainless steel 1.4571 (316Ti)
- Permissible product temperature: up to approx. 130–150 °C
- Installed power: approx. 6.5 – 45 kW (depending on configuration)
- Pressure- and vacuum-rated system

Features – CML 125
Anchor agitator with scrapers and baffle

- Speed range: approx. 19 – 82 rpm
- Efficient mixing of high-viscosity products
- Prevents product build-up and improves heat transfer

Homogenizer (SYMEX Technologie)

- Peripheral speed: approx. 5 – 21 m/s
- Combined homogenizing and pumping function
- High shear performance for stable emulsions
- External recirculation homogenization possible

Additional Features

- Recirculation line for external homogenization
- Hydraulically liftable lid
- Heating, cooling and vacuum operation
- CIP cleaning system
- Modern control system with touchscreen
- Overhauled condition / new seals
- Pharmaceutical design (also suitable for cosmetic

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Advantages

- High process control through Co-Twister technology
- Gentle processing of sensitive products
- Reproducible and consistent product quality
- High flexibility for development and small-scale production
- Hygienic design and easy cleaning (CIP)
- Ideal for pharmaceutical, cosmetic and high-end applications

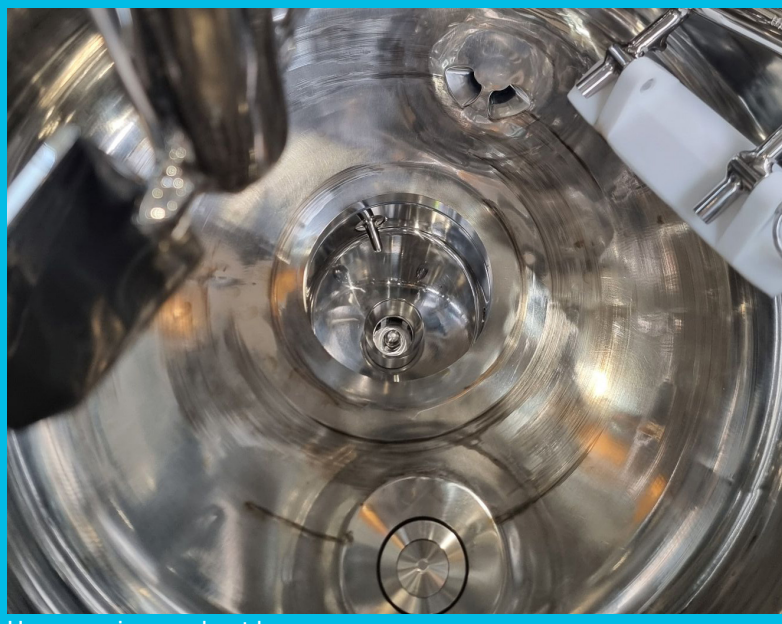
Utility Requirements

- Cooling water: approx. 1–2 m^3/h at 3–4 bar
- Cooling water (vacuum pump): approx. 0.2–0.5 m^3/h
- Compressed air: approx. 250 L/min at 6–8 bar
- Power supply: 3 × 400 V / 50 Hz, approx. 30–50 kVA
- Steam: 6–8 bar, approx. 50–80 kg/h

Verfügbarkeit
Inspection possible by appointment
Short-term availability / delivery time on request



Homogenizer CML125


Homogenizer + short loop



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