

TECHNICAL SPECIFICATION

STEPHAN Universal Machine UM 130



picture: STEPHAN UM 130

Advantages:

- ✓ Flexible and multifunctional
- ✓ Short batch times
- ✓ Economic processing
- ✓ Operator friendly
- ✓ Homogenous mixing
- ✓ Efficient cutting
- ✓ Configurable for many different applications
- ✓ Easy to integrate in a production line
- ✓ PLC controlled process sequences

Typical Applications:

- ✓ Processed cheese
- ✓ Butter preparations
- ✓ Fresh cheese preparations
- ✓ Dressings, sauces
- ✓ Confectionery fillings
- ✓ Mayonnaise, ketchup
- ✓ Hommos
- ✓ Marzipan, almond paste
- ✓ Baby food

Standard Execution:

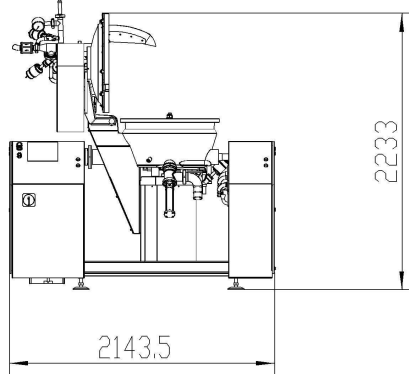
- ✓ Automatically operated bowl tilting
- ✓ Automatically operated lid opening / closing
- ✓ Processing temperature 95 °C
- ✓ Double jacket for insulation

Options:

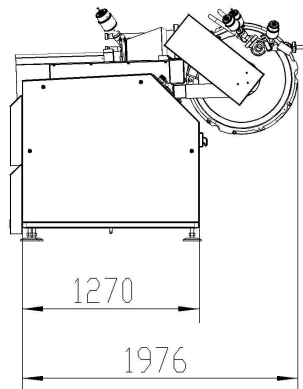
- ✓ Direct steam injection
- ✓ Inductive water flow meter
- ✓ Siemens PLC
- ✓ Acial face seal, water flushed
- ✓ Wide range of accessories (steam filter station, discharge pump, buffer tank, lifting device etc.)
- ✓ 125 °C execution
- ✓ Double jacket heating / cooling
- ✓ Discharge valve
- ✓ Frequency controlled main drive 300 – 3000 rpm
- ✓ Vacuum system

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dimensions UM 130:



overall height with lid open: 2233 mm



Machine Data:

Bowl content, approx.

Batch size, max.

Net weight, approx.

Max. operating temperature - bowl

Max. operating pressure - bowl

Max. operating temperature - double jacket

Max. operating pressure - double jacket

Material: - product side
- non-product side

Shaft seals: - main motor
- gear motor

Connections: - compressed air
- steam supply - injection
- steam supply - double jacket
- water supply - recipe, vacuum pump
- water supply - double jacket
- residual water sampling (optional)

Energy requirement:

Installed energy, approx.

Operating voltage / protection

Drives: - main motor
- gear motor
- vacuum pump

Steam: - theoretical requirement
- recommended supply
- steam supply pressure
- steam pressure at the machine

Water: - water supply pressure, min.
- water supply - recipe, approx.
- water supply - vacuum pump, approx.
- water supply - double jacket

(l)	120
(l)	90
kg	1200
°C	125
bar g	1.5
°C	133
bar g	2.0

1.4404 (AISI 316 L) or similar
1.4301 (AISI 304) or similar
sealing rings
option: double mechanical seal
sealing rings
option: double mechanical seal
3/8", socket
DN 32, DIN 11850, welding end
DN 32, DIN 11850, welding end
DN 32, DIN 11850, welding end
DN 32, DIN 11850, welding end
DN 50, DIN 11850, welding end

kW	35
V/Hz/A	400/50/100, slow
kW	30
kW	1.5
kW	1.1
kg/h	240
kg/h	290
bar g	6 - 10
bar g	2 - 3.5
bar g	4
l/min	75
l/h	240
l/h	4500

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