

Vertical condensation scalding



A differentiated temperature control

The closed vertical condensation scalding ensures optimal meat quality as steam is injected into the scalding cabinet and condensates on the carcass surfaces.

Hygiene

Hygiene level is high, as access for cleaning is easy with raising of flooring plates, opening of plate walls in every section, roof with slope and demountable spoilers.

For daily cleaning, a low-pressure cleaning system (pressure <25 bar/362 psi) is recommended.

Options

- An additional suction exhaust hood attached to an existing suction exhaust, or an enclosed chain slot is available to the condensation scalding line
- CIP system

Frontmatec recommends positioning the scalding line after the pre-washing machine. Pigs are transported on an overhead conveyor into the scalding line.

Frontmatec recommends positioning the scalding line as close as possible to the bristle remover, to prevent scalded pigs from being cooled down just before bristles are to be removed.

Frontmatec recommends a combination of the scalding line with a Duoplan conveyor and a standard bleeding shackle.

Why the vertical condensation scalding!

- Efficiency with a short start-up time
- Efficient scalding by differentiated temperature control
- Improved meat quality and high animal welfare as infection of thoracic cavity, water in lungs and cross-contamination are avoided through no stick wound on the carcasses, no recirculation of dirty water, etc.
- Energy and water cost benefits with absolute temperature control and minimum energy and water consumption
- No chemicals are needed when scalding with heated steam
- Improved work conditions and operators retention with user-friendly operating panel and lowering of the flooring plates for more space during work or cleaning
- Time savings with easy cleaning access
- Minimum risk of over-scalding during breakdown



Preconditions

Maximum pig length from point of suspension in chain to snout should not exceed 2,450 mm/96.45".

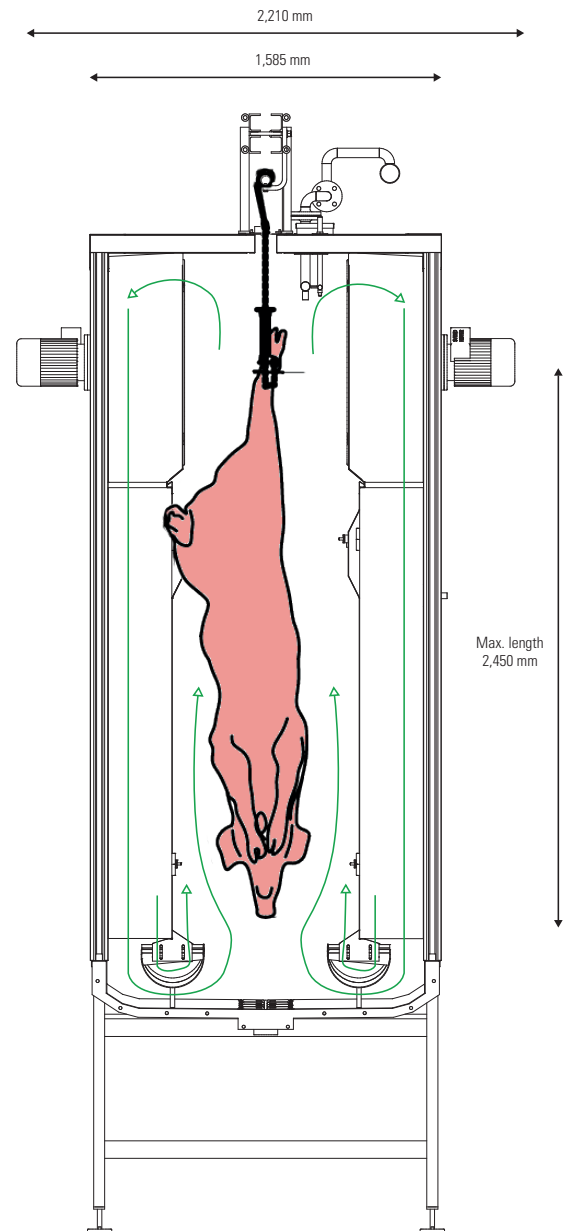
Safety and legal requirements

The vertical condensation scalding is CE approved and designed to meet the strictest demand on health and safety.

Technical data

Steam temperature, min.	110°C/230°F
Steam pressure	6 bar/87 psi
Steam consumption	1 kg/pig 2.2 lbs/pig
Water pressure	3 bar/43.5 psi
Water temperature	10°C/50°F
Water consumption	1 liter/pig 0.26 gal/pig
Air pressure	6 bar/87 psi
Air consumption	0.5 N litre/pig
Power	0.2 kW/pig

Technical data may be subject to changes



Sectional view of structure and flow of air and steam

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