



Thermoscrews
SALMATHERM



Conditioners, molasses mixers
SALMACON

SALMATEC

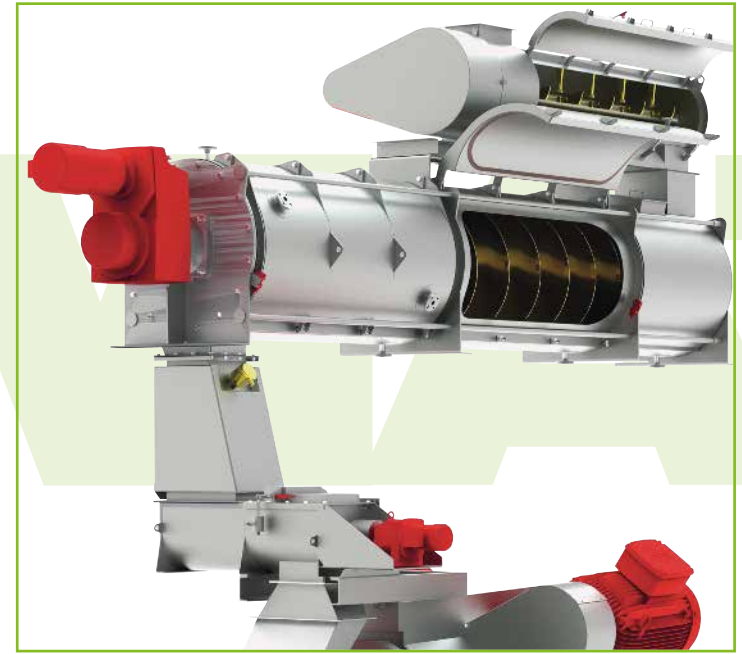
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The SALMATEC conditioners of the SALMACON series guarantee homogenous mixing of the base components and carefully controlled addition of additional components, such as steam, molasses, water and other substances. SALMACON conditioners are made of stainless steel and ensure a continuous flow of material due to their product-related design. They provide an optimal mixing result and the lowest possible carryovers as well as an efficient self-cleaning system. Like all SALMATEC products, the conditioners of the SALMACON series comply with the latest safety regulations and guidelines.

Technology that guarantees homogeneous mixtures

Special features

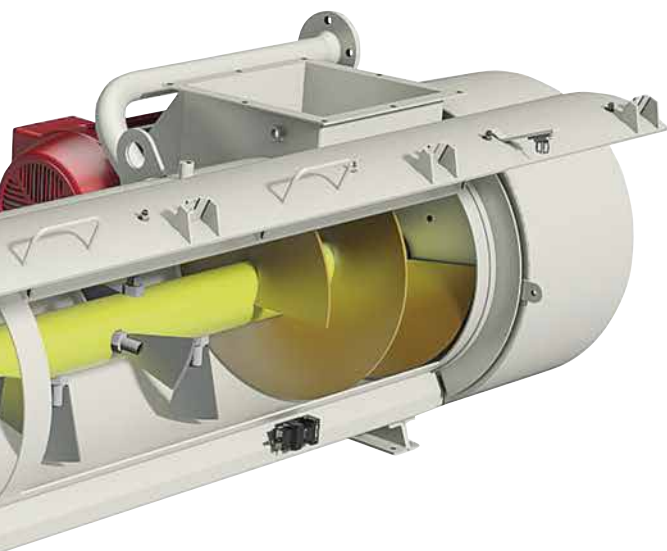
All modular conditioners of the SALMACON series are also suitable for use as molassing machines for high amounts of liquid. The “double conditioners” design allows for especially long dwell times and a very intensive conditioning process of the material.



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Dimensions and contents



SALMACON-type

Content in litres

Inner diameter in mm

Interior length in mm

| | | | |
|--------------------|------|-----|-------|
| SALMACON 220 | 38 | 220 | 1,010 |
| SALMACON 270 | 67 | 270 | 1,170 |
| SALMACON 500 | 120 | 350 | 1,230 |
| SALMACON 1000-1500 | 190 | 400 | 1,500 |
| SALMACON 1000-1800 | 226 | 400 | 1,800 |
| SALMACON 1000-2000 | 250 | 400 | 2,000 |
| SALMACON 1500-1800 | 285 | 450 | 1,800 |
| SALMACON 1500-2100 | 330 | 450 | 2,100 |
| SALMACON 1500-2400 | 380 | 450 | 2,400 |
| SALMACON 1500-3000 | 475 | 450 | 3,000 |
| SALMACON 1900-2400 | 470 | 500 | 2,400 |
| SALMACON 1900-3000 | 580 | 500 | 3,000 |
| SALMACON 1900-3400 | 660 | 500 | 3,400 |
| SALMACON 1960-2400 | 680 | 600 | 2,400 |
| SALMACON 1960-3000 | 840 | 600 | 3,000 |
| SALMACON 1960-3400 | 960 | 600 | 3,400 |
| SALMACON 1970-3500 | 1340 | 700 | 3,500 |
| SALMACON 1500 DK | 570 | 450 | 3,600 |
| SALMACON 1900 DK | 840 | 500 | 4,800 |

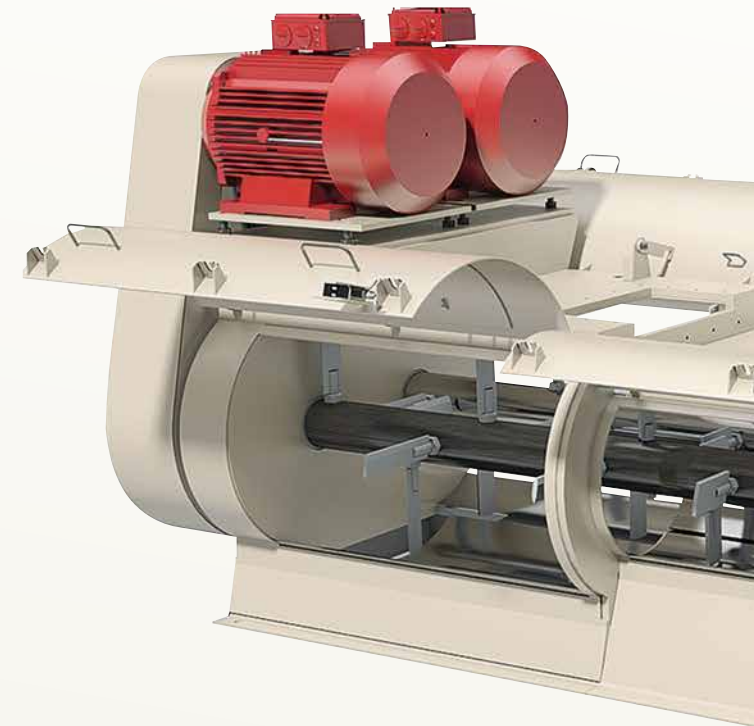
| Double shaft mixers SALMACON type | Performance in t/h | Drive in kW |
|--------------------------------------|-----------------------|----------------|
| SALMACON 2015 | 25 | 2 x 7,5 |
| SALMACON 2022 | 35 | 2 x 11 |
| SALMACON 2030 | 50 | 2 x 15 |
| SALMACON 2044 | 80 | 2 x 22 |
| SALMACON 2060 | 100 | 2 x 30 |

SALM

The stable steel housing of the SALMACON conditioners is made entirely of stainless steel (1.4301); the housing is also available in wear-resistant duplex steel (1.4462). This also applies for the round shaft material and the mixing paddles. All product contact materials are made from high quality materials.

The dwell time is set and regulated by the adjustable angle of the mixing paddles. The drive speed can be adjusted to individual requirements. At all models, the inspection port extends across the entire width of the mixing chamber. On request, the conditioners can be equipped with wear-resistant or non-stick coated linings. Our broad product range offers the right mixer for all requirements.

Stable and flexible



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Two mixing shafts for highly efficient mixing results

The SALMATEC molasses mixers of the SALMACON series are designed for admixing large amounts of liquid. The opposing and rapidly rotating mixing shafts guarantee a high mixing effect and a high throughput capacity.

Immediately after the mixing process has been completed, the product can be coated in the same machine. This happens during the so called expansion stage. The mixed material is powdered with unmixed material. This prevents the subsequent conveyor units from sticking together.

Advantages

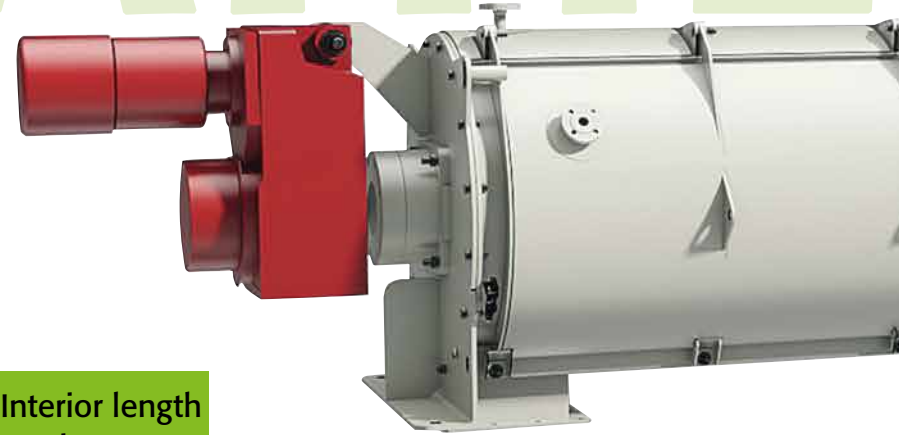
Two opposing rotating mixing shafts with overlapping paddles. The mixing paddles can be adjusted on the shaft. Self-cleaning is ensured by the special arrangement of the paddles on the shaft.

Special features

SALMATEC offers a ZE-version for each SALMACON for powdering the molasses with untreated material. All double shaft mixers of the SALMACON series are also suitable for use as conditioners for adding high amounts of steam.



SALMATHERM



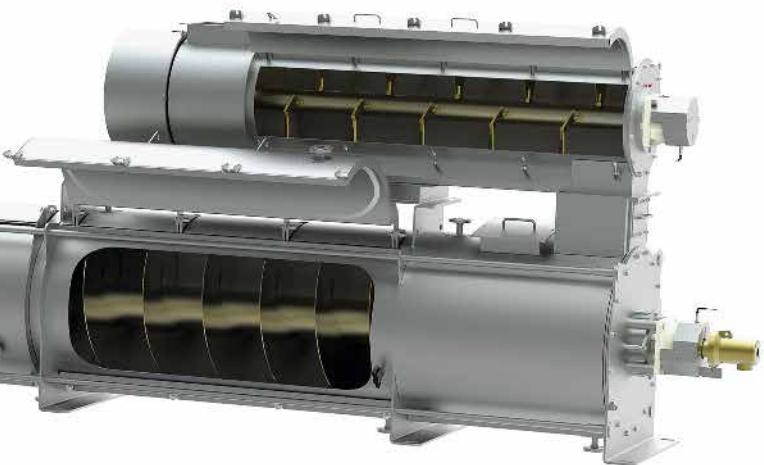
| SALMATHERM-type | Performance in t/h * | Inner diameter in mm | Interior length in mm |
|-------------------------|-------------------------|-------------------------|--------------------------|
| SALMATHERM SD 650-4500 | 8.0 | 650 | 4,500 |
| SALMATHERM SD 770-3000 | 6.0 | 770 | 3,000 |
| SALMATHERM SD 830-3100 | 7.0 | 830 | 3,100 |
| SALMATHERM SD 830-4000 | 110 | 830 | 4,000 |
| SALMATHERM SD 830-4300 | 12 | 830 | 4,300 |
| SALMATHERM SD 830-5000 | 15 | 830 | 5,000 |
| SALMATHERM SD 830-6000 | 18 | 830 | 6,000 |
| SALMATHERM SD 830-6500 | 20 | 830 | 6,500 |
| SALMATHERM SD 920-6500 | 30 | 920 | 6,500 |
| SALMATHERM SD 1100-6500 | 40 | 1100 | 6,500 |

* based on 2-4 minutes dwell time



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Competitive advantages and cost-saving potential

SALMATHERM screws for heat treatment of compound feed create competitive advantages and reduce operating costs at the same time. The SALMATHERM screws allow production

of compound feed pellets with increased steam temperatures and a long dwell time.

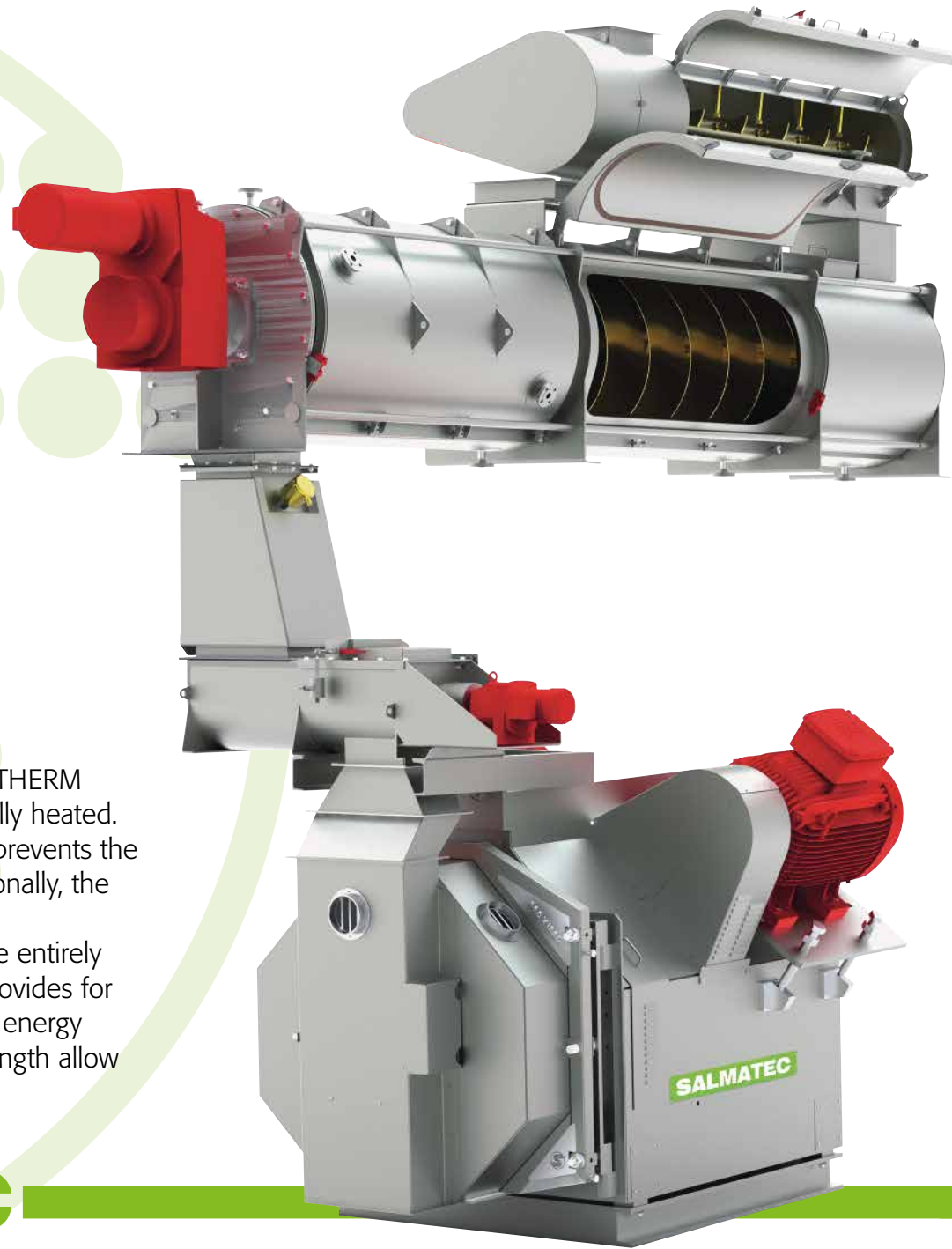
Due to the intensive and homogeneous steam admixing process of the product to be pelletized, it can easier be processed by the downstream pelleting press and thus provide an improved pellet quality. In the SALMATHERM, the feed is heat treated by the controlled dwell time via a defined time interval. During the process quality reducing microorganisms are killed and the use of the feed is improved.

High level of efficiency

The very well insulated outer casing of the SALMATHERM thermoscrews is actively steam heated or electrically heated. This ensures the desired dwell temperatures and prevents the pressing material from sticking. Additionally, the shaft can be heated with steam. The SALMATHERM outer shell is made entirely of laser-welded thermal sheet. This provides for extremely short heat-up times and a maximum of energy efficiency. Large cleaning ports across the entire length allow for easy access to the processing chamber.



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Conditioners SALMACON CP (controlled process)



The SALMATEC conditioners of the SALMACON – CP series guarantee that the preset powder temperature is kept throughout the process. Sliders in the inlet and outlet of the conditioner as well as a drive with a variable speed and direction of rotation ensure that the desired powder temperature is kept.

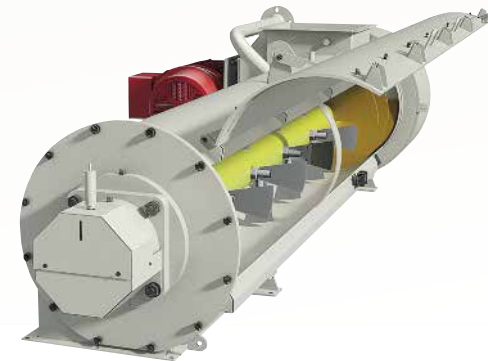
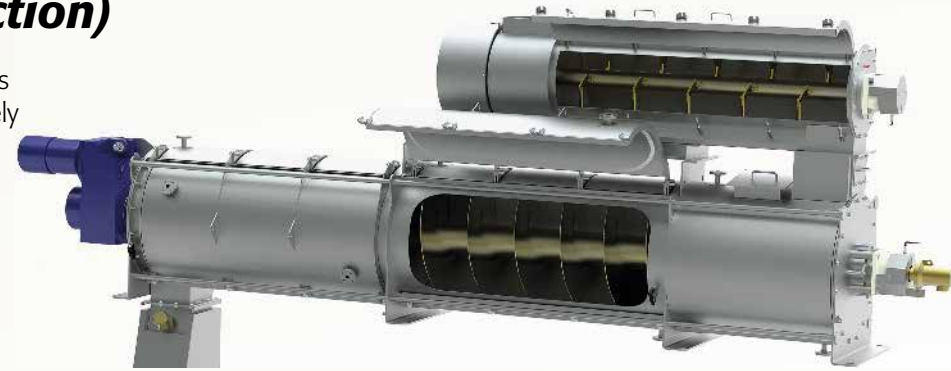
Reliable temperatures

Due to the duplex steel machine housing and mixing paddles, the wear-related costs remain low. Carryovers are very low and it goes without saying that an optimal mixing result is achieved.

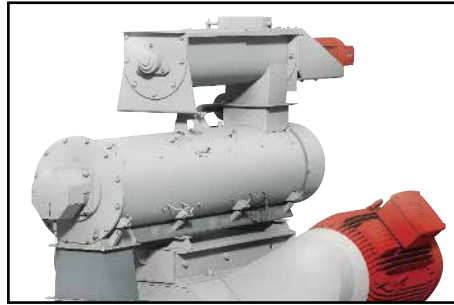
Like all SALMATEC products, the conditioners of the SALMACON series comply with the latest safety regulations and guidelines.

- Electric trough heating
- Heat protection insulation for the trough
- Multiple steam nozzles for adding liquids
- Positioning the feeding points as required
- Wear-resistant lining
- Non-stick coated lining
- Housing and mixing paddles of wear-resistant duplex steel
- Special designs for processing extremely lightweight bulk material
- Product-adapted shaft speed
- Air jets for cleaning
- Paintwork in colour of your choice

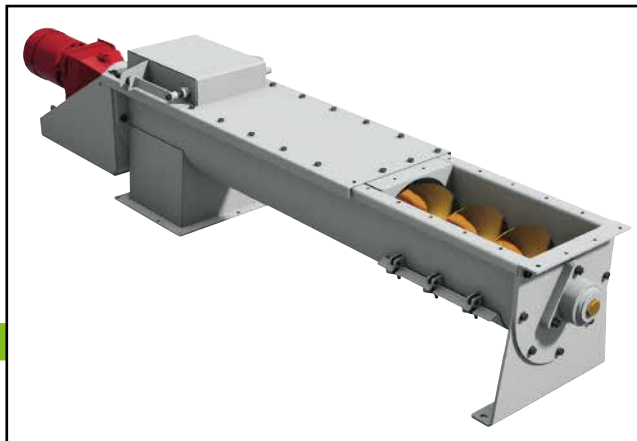
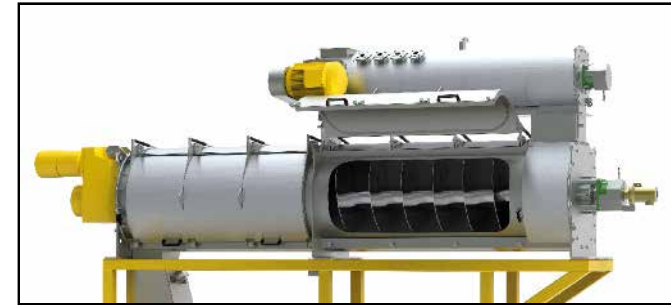
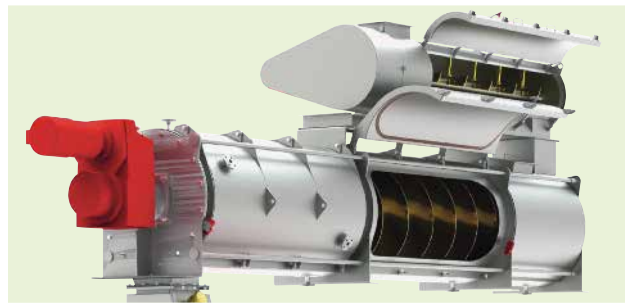
Options (selection)



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*...the whole
scope of
pelleting*





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