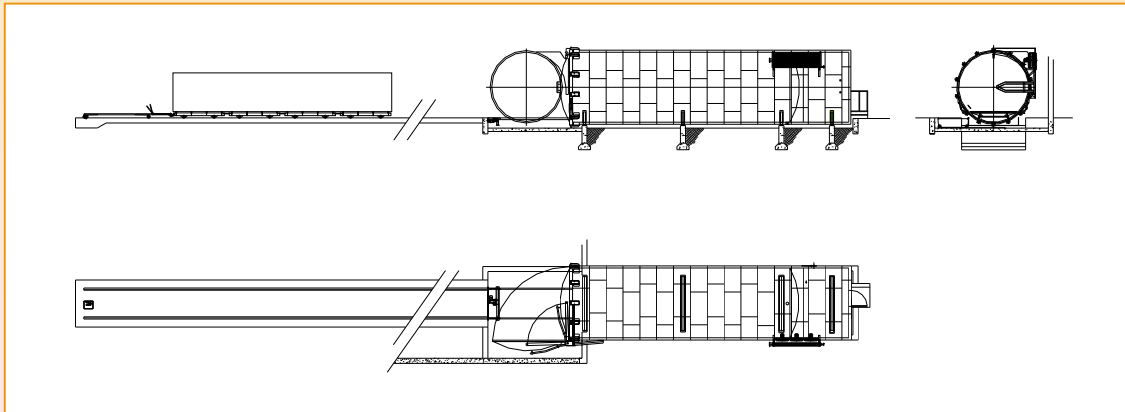


WTT A/S SSV vacuum drying plants





The WTT vacuum drying plant

Being the quintessence of quality, performance and operational reliability, the WTT SSV vacuum drying plant holds the position as undisputed market leader within industrial wood drying – and has done so for 25 years.

Several hundreds of plants in operation dry each year more than 300,000 m³ of high quality wood.

It does not matter if you dry fresh-cut white beech, strong oak, exotic wood species or large-dimensioned construction timber - you will always obtain a very fine product in the best quality.

Just ask our clients among who quite a few have invested in and operate their second, third or fourth WTT vacuum dryer. Innovative development characterizes the success of this drying procedure.

Among the many advantages we should like to point out a few:

- the drying in the absolute oxygen-free atmosphere that ensures maintenance of the natural colours without „errors“
- the tailor-made construction principle with integrated pump, heating and control room
- the extreme operational safety of the PLC control
- special processes, such as steaming in vacuum
- the high-temperature treatment
- the core smoking/fuming of oak and other wood species

A WTT vacuum dryer is always a good – and the right – choice!



- 1) Complete rail track with automatic extraction device
- 2) Full-insulated autoclave door with automatic, hydraulically operated safety locking device.
- 3) Condenser at the outside for control of a totally oxygen-free drying



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- 1) Complete gas or oil heating with fuel tank integrated in the pump room. Electrical cabinet with PLC control.
- 2) Neutralization equipment for condensate – waste water.
- 3) Pump unit and electrical cabinet.
- 4) Special vacuum pump, without the need for cooling.



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- 5) Vacuum pump with thermostat-regulated cooling circulation and condensate measuring system.



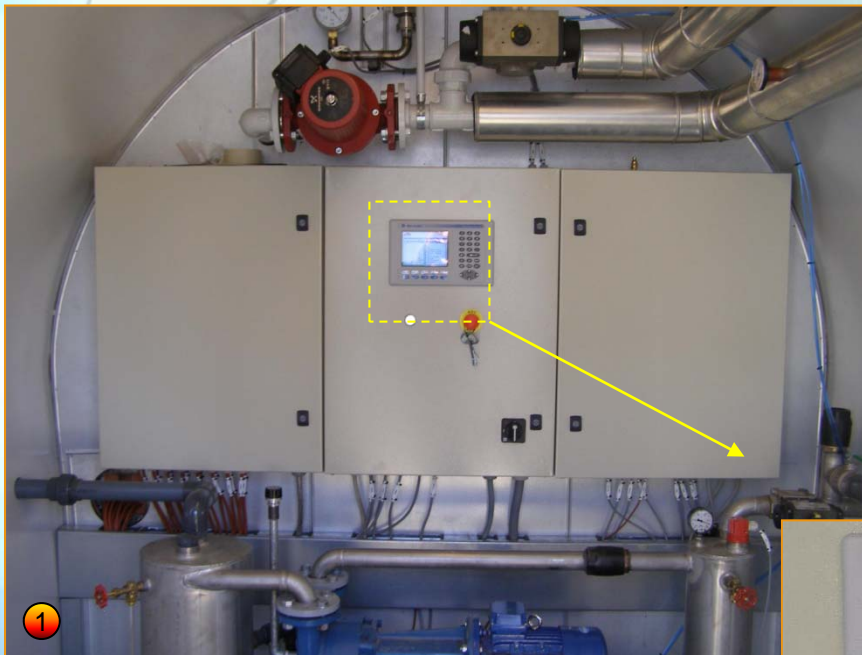
1) Frequency-controlled, reversible Ventilators and heat register in stainless steel.

2) Infinitely variable frequency control in the electrics cabinet.



3) Heating connection with PID-controlled data input and circulation pump

4) Insulated heating pipes



- 1) Complete pump unit with electrics cabinet and heat control system in the pump room.
- 2) Full-automatic PLC control
- 3) Full-automatic computer control with WTT graphics software for MS Windows



The WTT Standard

- Massive autoclave in stainless steel in diameters of 2,200, 2,600, 3,000, 3,500, 4,000 and 4,250 mm
- Lengths from 6,000 to 30,000 mm; special lengths optional
- Wood charge volumes: 5 – 140 m³

The WTT Standard

- Hydraulic, automatic autoclave door closing system
- 150 mm insulation
- Full-insulated pump, heating and control room
- Compact pump section with vacuum pump, cooling tank and measuring tank
- Heat register in stainless steel, placed at the side or at the top of the autoclave
- Special ventilators, reversible
- PLC control, full-automatic
- Tailor-made delivery
- Installation and operational start within 36 hours
- 6 years' guarantee on the stainless autoclave

Compared with traditional drying and other vacuum-based systems the WTT vacuum drying plant offers great advantages:

- wood types which are otherwise difficult to dry are swiftly dried, e.g. 65 mm oak from 30-10% in 12 days
- large-dimensioned wood e.g. 120 mm spruce/construction timber is dried from 80-15% in 96 hrs.
- light and fresh-cut wood, e.g. 65 mm beech is dried from 70-10% in 8 days
- fast delivery and flexibility (3-8 times faster than conventional drying methods)
- tension-free wood with very low and uniform end moisture contents e.g. 6%
- very suitable for wood species that otherwise tend to change colour during drying (absolute oxygen-free drying via an external condenser)



1) Some clients operate more plants. In this photo you see 3 vacuum dryers - all with 'fuming' equipment where the (acidiferous) wood is coloured with ammonia.

2) WTT – autoclave in stainless steel with rail track, ventilators, heat register in stainless steel placed at the sides, circulation optimising cloth in the top and safety partition walls at the entry.





The outer covering of the plants with 1 mm galvanized steel plates and 150 mm insulation permits placing of the drying plants indoor as well as outdoor. When placed at the outside, the plant is equipped with frost-proof equipment.

Installation and operational start:

- Free training of your operator(s) in our workshop
- Installation and start up at your location
- Training of the operating personnel at your location

We support your buying decision already before the actual purchase:

- Drawings
- Process calculations
- Advising at your site
- Support regarding all questions you might have for drying of wood