

## VERTICAL DRYER HVW-T

Short process times  
and gentle product handling

TRANSFORMING  
MATERIALS INTO VALUE



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# VERSATILE PROCESS OPTIONS

Achieving low residual moisture.

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## Stripping and drag gas drying

Drying with additional thermal desorption or convection.



## Sterilization

Reducing bacteria count reliably without harming product quality.



## Controlled reaction

Converting chemical substances under specified conditions.



## Multiple process steps

Implementing complex processes with a single machine.



## Controlled cooling and discharge

Reducing product temperature and metering discharge.



## Special designs

Chemical, food and heavy duty design including ATEX, EHEDG, GMP and FDA design features.



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# GENTLE VACUUM DRYING

Batch drying of bulk materials.

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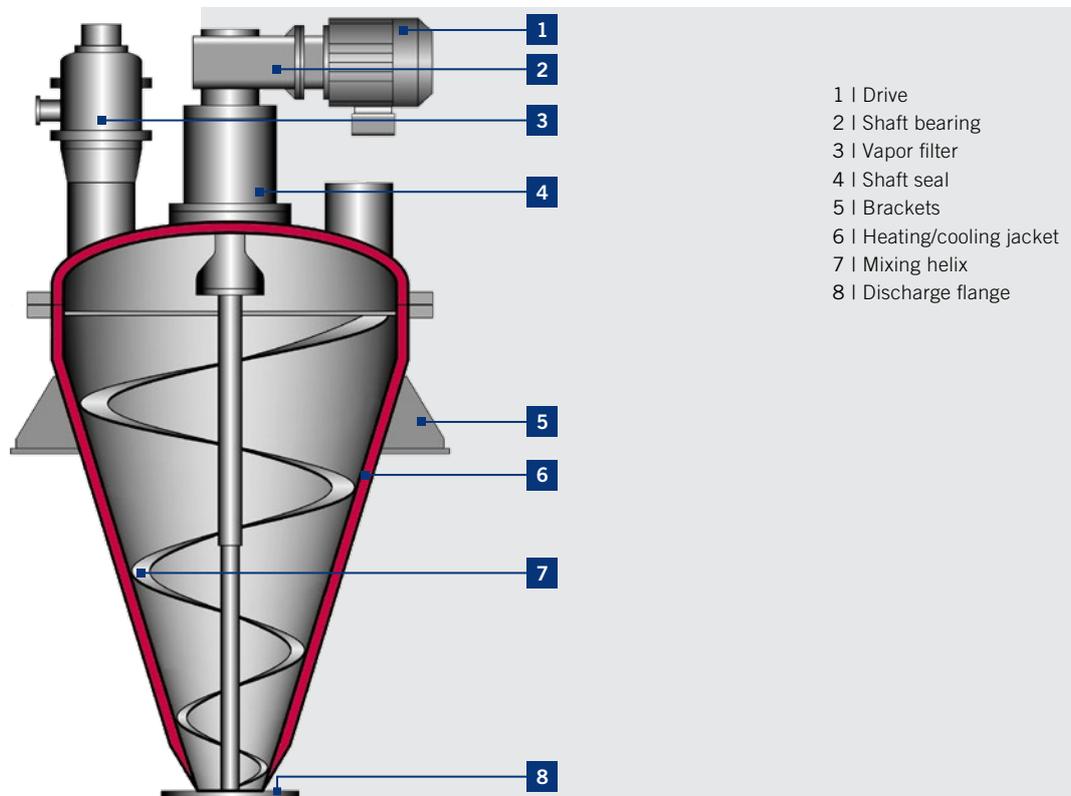
The BHS **vertical dryer** is a batch-operated machine with a heated jacket. It delivers reproducible residual moisture through a gentle vacuum drying. The heating of the product is supported by the vertically rotating, helical blade mixer. The connected vacuum system reduces the steam pressure in the HWW-T and ensures rapid drying at low temperatures.

## Advantages

- ✓ Gentle drying at low temperatures
- ✓ Control of residual moisture through process monitoring
- ✓ Optimum residual discharge
- ✓ Tool-free cleaning with WIP/CIP spray nozzles

## Dryer design

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[More information](#)

[www.bhs-sonthofen.com/hww-t](http://www.bhs-sonthofen.com/hww-t)

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# TOP PERFORMANCE IN EVERY DETAIL

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Benefit from superior technology.

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## LOW OPERATING COSTS 1

- Low drying temperatures by means of vacuum
- Optimized process by smart controls
- Energy saving technology



## LOW-MAINTENANCE DESIGN 2

- Durable design through FEM calculation
- Shaft seal and bearing outside of the product space
- Low shaft speed and few moving components



## EFFICIENT DRYING 3

- Vacuum contact drying
- BHS homogenizing helix for optimum heat exchange
- Process optimized with baffles and choppers



## HIGH PLANT SAFETY 4

- Robust design
- Dust and gas-tight system up to OEB Level 5
- Instrument-based process monitoring
- Risk analysis and ATEX design



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