



Vacuum dryer system with air lock function

VVTD 140/160/160- WT- M- 160°C

Application

Post- drying of electrode coils under vacuum

Industrial sector

Battery Production



Potential fields of application

Drying processes under vacuum, where the product requires high-end quality and is produced efficiently.

Technical Data

Nominal temperature:	160°C
Heating capacity:	48 kW
Cooling capacity:	25 kW
Supply voltage:	3 (N) PE AC 400 V, 50 Hz

Inner dimensions:	
Width	1400 mm
Height	1600 mm
Depth	1600 mm

Outer dimensions, casing:	
Width	2430 mm
Height	4500 mm
Depth	2300 mm

Equipment

- Installation in a dry room with dew point -50°C, cleanroom class ISO 8 with air lock function
- External temperature control unit for heating and cooling and integrated convective heating
- Optimized heating process times through convective heating
- Vacuum recipient and outer housing made of stainless steel, optimized for installation in the cleanroom
- Siemens S7 controls with OPC- UA
- Customized oven carrier for running in different product sizes

Special features

- Exhaust air treatment for compliance with TA- Luft
- System integration in dry room wall so the dryer serves to be a material lock at the same time
- Connection to the customers MES system to ensure the parts traceability.