

Vacuum Mixing Dryer VT

The **Vacuum Mixing Dryer VT** is specifically suited for the drying of powdered raw materials such as carbon black, chalk and pigments. It may also be used for the gentle drying and mixing of powdery food products.



Characteristics

- **Closed system**
- **Gentle drying**
- Ideally configured mixing tools ensure an intensive mixing as well as an optimized contact between the product and the heat surface
- Nearly complete discharge of the product
- **Low-maintenance operation**
- High flexibility also with variable product qualities

Design

- The robust construction as well as the electric drive unit ensures an extended lifetime
- Moisture is extracted by the alternating flushing with dry air or inert gas and vacuum
- Mixing tool with shear teeth prevents bridging and agglomeration effects
- Logging and registration of the process data with an integrated process control system provides a consistent product quality
- Heating with water or heat transfer oil
- Adjustable temperature

Vacuum Mixing Dryer VT

Technical data

Material

- Stainless steel, mild steel

Vessel

- Vacuum tight
- Operating pressure -1.0 to +0.5 bar

Temperature

max. 195°C

Type	Nominal volume [l]	Operational volume* [l]	Power* [kW]
VTH-0.5	530	380	7.5
VTH-2.4	2'480	1'720	11
VTH-4.0	4'000	2'800	11
VTH-7.6	7'640	5'350	15
VTH-9.6	9'650	6'780	21

* depends on the product

Options

- Horizontal or vertical execution
- Space saving tower in combination with vacuum mixing cooler VK
- Vacuum system with dust filter
- Filling and discharge system
- Higher temperatures on request

Tower construction with the **Vacuum Mixing Dryer VT** (on top),
and the **Vacuum Mixing Cooler VK** (below)

System solutions

The **Vacuum Mixing Dryer VT** may be extended with additional components for a further automation of the mixing process and to ensure an efficient production up to the filling.

- Vacuum Mixer VMH / VMV, Large Capacity Vacuum Mixer VGM and Vertical Vacuum Mixer Phoenix VMP
- Powder Hopper SGC

Furthermore **fitech ag** provides engineering, planning and manufacturing of complete production plants.

