

Vacuum Mixing Dryer VT

The vacuum mixer-dryer VT is suited for the gentle mixing and drying of powdered raw materials such as carbon black, chalk and pigments.



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

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Technical Data

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

*depends on the product

Options

- Horizontal or vertical execution
- Space saving tower in combination with vacuum mixing cooler VK
- Vacuum system with dust separator
- Filling and discharge system

System solution

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

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Tower construction with the Vacuum Mixing Dryer VT (above), and the Vacuum Mixing Cooler VK (below)