



GAMMAVITA[®] Phase/Suspension Mixer

For processing liquid to semi-solid products and as a melting tank

GAMMAVITA[®] Phase/Suspension Mixer

Quality in every detail

For economic production in a highly competitive environment, you need the highest level of quality and reliability, as provided by the NETZSCH Vakumix GAMMA-VITA[®] series phase tanks.

The design of these machines guarantees repeatable production results with maximum efficiency for processing liquid to semi-solid products and as a melting tank.

- Melting
- Mixing
- Homogenization
- Dispersing
- Degassing

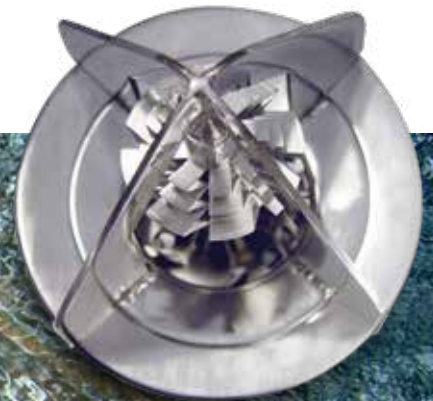


Melting of wax pellets



Melting of wax blocks

Patented Circulating Agitator with grinding head





Mixing inside the tank



Mixing via circulation line and induction of powder

GAMMAVITA[®] Phase/Suspension Mixer

Technical Features

- Pressure- and Vacuum-tight design
- GMP-compliant machine design
- Scalability
- CIP- and, optionally, SIP-capable machine design
- All product-wetted parts in high-quality stainless steel (316L)
- Short melting and mixing times due to external circulation line
- Patented (EP 0760254 A1) Circulating Agitator:
 - Optional recirculation of product inside the tank or via external circulation line
 - Installation at the lowest point of the tank bottom
 - Stepless control of turbulence intensity via frequency-controlled drive
 - No additional pumps necessary for CIP and product transfer
- Virtually complete emptying of the machine via the Circulating Agitator
- Additional measuring probe assembly in the housing of the Circulation Agitator possible (temperature, pH value, pressure, etc.)
- Can be optionally equipped with homogenizer instead of Circulation Agitator
- Various suction options for solids and liquids in a closed system
- Can be heated/cooled via energy modules with features and media to meet customer requirements
- Vacuum operation via water ring vacuum pumps
- Various machine control and automation styles available
- Can be combined with the model series *KAPPAVITA[®]*, *DELTAVITA[®]* and *OMEGA[®] VITA* as *SYSTEMVITA*
- Sizes from 10 - 12,000 liter (larger sizes upon inquiry)



System VITA[®], consisting of a DELTAVITA[®] 2000 agitator bead mill and a GAMMAVITA[®] 60 batch tank



KAPPAVITA® HM 500 homogenizing mixer with *GAMMAVITA*® 500 phase tank

GAMMAVITA® Phase/Suspension Mixer

Models and Sizes

Available sizes and executions:

- Sizes from 10 - 12.000 liter
- GAMMAVITA® with circulation agitator
- GAMMAVITA® with rotor/stator homogenizer
- GAMMAVITA® with magnetical stirrer

All GAMMAVITA® models are optionally available with top driven stirrers, like the NETZSCH Vakumix Easy Visco.




GAMMAVITA® 275 – mobile with work platform



GAMMAVITA® 140 – with Load cells



GAMMAVITA® 300 – mobile



The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 3,700 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

Proven Excellence. ■

Business Unit Grinding & Dispersing – The World's Leading Grinding Technology

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NETZSCH Trockenmahltechnik – Germany
NETZSCH Vakumix – Germany
NETZSCH Lohnmahltechnik – Germany
NETZSCH Mastermix – Great Britain
NETZSCH FRÈRES – France
NETZSCH España – Spain
ECUTEC – Spain

NETZSCH Machinery and Instruments – China
NETZSCH Technologies India Private – India
NETZSCH Tula – Russia
NETZSCH Makine Sanayi ve Ticaret – Turkey
NETZSCH Korea – Korea
NETZSCH Premier Technologies – USA
NETZSCH Equipamentos de Moagem – Brazil

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