



GAMMAVITA[®] Phase/Suspension Mixer

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

GAMMAVITA[®] Phase/Suspension Mixer

Quality in

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[®] AB 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
- Dispersion
- Degassing



Melting of wax pellets

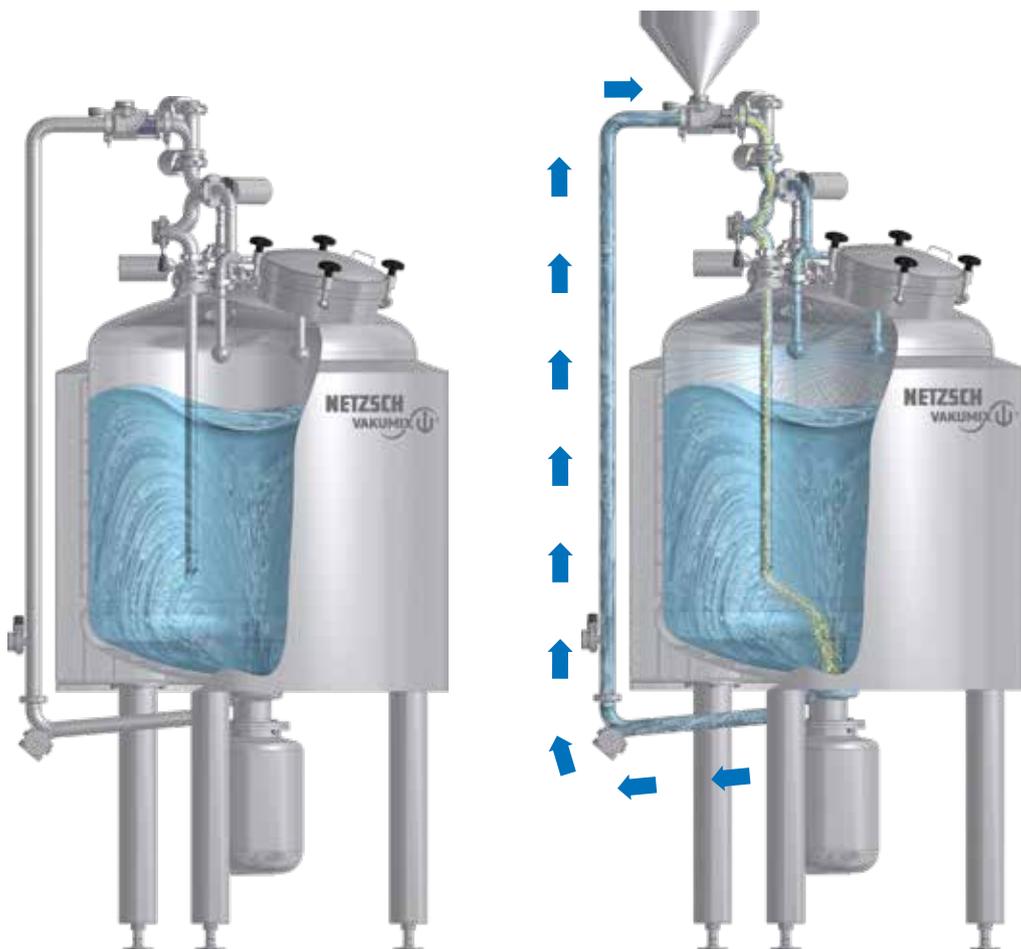


Melting of wax blocks

Patented circulating agitator with grinding head



every detail



Mixing inside the tank

Mix via the circulation line and suction of powdered materials

GAMMAVITA[®] Phase/Suspension Mixer

Models

Model	Description
ABS	Batch tank with homogenizer
ABW	Batch tank with circulating agitator for processing water phases
ABF	Pre-mix tank with circulating agitator for processing/melting lipid or wax phases

All models of the GAMMAVITA[®] are optionally available with other types of agitators.



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



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

GAMMAVITA® Phase/Suspension Mixer

Technical Features

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 circulating agitator possible (temperature, pH value, pressure, etc.)
- Can be optionally equipped with homogenizer instead of circulating 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 models available
- Can be combined with the model series *KAPPAVITA*®, *DELTA VITA*® and *OMEGA VITA* as *SYSTEM VITA*



GAMMAVITA® ABS 300 – mobile

and Sizes

AB Series sizes



GAMMAVITA® ABF 275 – mobile with work platform

Effective volume* [Liter]	Total volume [Liter]
10	15
20	30
25	40
35	60
50	70
75	115
115	185
150	190
180	220
200	280
225	295
250	335
275	360
300	400
475	700
500	645
600	758
800	980
1000	1305
1100	1410
1500	1905
1700	2250
2100	2740
3300	4300
4300	5560
6000	7700
10000	12850

* other sizes upon request

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