



OMEGAVITA[®] High-pressure Homogenizer

For the production of emulsions with droplet sizes in the nanometer range

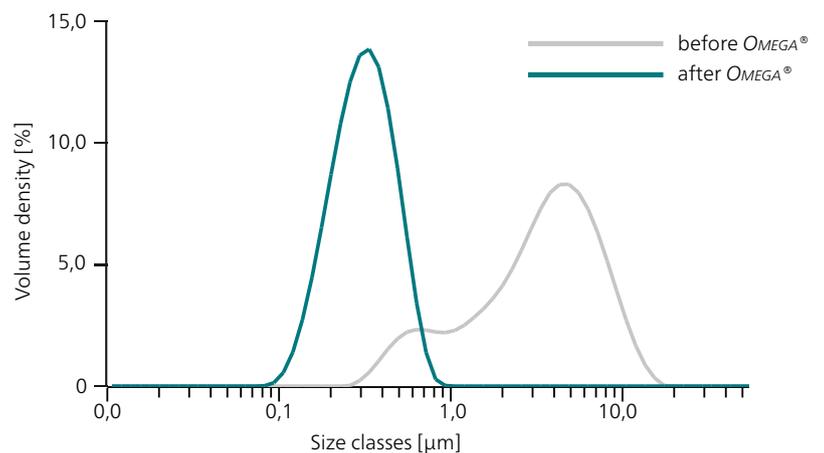
OMEGAVITA[®] High-pressure Homogenizer

Dispersion of liquid to semi-solid suspensions

Quality in every detail

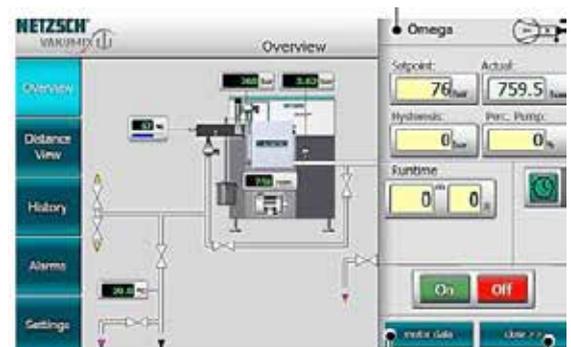
For economic production in a highly competitive environment, you need the highest level of quality and reliability, as provided by the NETZSCH Vakumix OMEGA-VITA[®] series high-pressure homogenizers. The design of these machines guarantees repeatable production results with maximum efficiency. A typical application is the production of nanoemulsions.

Nanoemulsion with OMEGA[®]



Technical Features

- High-pressure homogenizer up to 700 bar
- Efficient dispersion with the Netzsch Dispersion -Device (NDD) – a combination of nozzle and valve technology
- Batch sizes from 15 milliliters to 10000 liters.
- Scalable
- SPS control
- Operator management with password protection in different levels
- Optional formulation management and data logging in accordance with CFR part 11/21
- GMP-compliant machine design
- CIP- and, optionally, SIP-capable machine design
- All product-wetted parts are manufactured and certified according to FDA standards
- Material and calibration certificates are delivered with the machine
- Comprehensive documentation in the national language, FAT, IQ and OQ documents
- Can be combined with the model series KAPPAVITA[®] and GAMMAVITA[®] as SYSTEMVITA



Representation of the operator terminal user interface

and emulsions

OMEGAVITA® series sizes

		OMEGALAB	OMEGAVITA® 60	OMEGAVITA® 500	OMEGAVITA® 2000
Pressure	[bar]	10 - 700	10 - 700	10 - 700	10 - 700
Batch sizes (min. - max.)	[l]	0,3 - 3	5 - 100	20 - 2000	100 - 10000
Throughput	[l]	1 - 20	18 - 60	20 - 500	600 - 2000



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The three Business Units – Analyzing & Testing, Grinding & Dispersing and Pumps & Systems – provide tailored solutions for highest-level needs. Over 3400 employees at 210 sales and production centers in 35 countries across the globe guarantee that expert service is never far from our customers.

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