

MHE/3AV triple-stage emulsifier

general features



The MHE triple stage is an in-line emulsifier designed for installation between pipelines. This equipment can be used as a complement to the TRI-AGI as well as to reactors or dissolutions tanks. It is an ideal machine for:

- » Highly effective and stable emulsifier for water in fat phase or vice versa.
- » Mixing and dispersion processes of solids in liquids with high throughput and fineness.
- » Homogenizing liquid mixtures.

OPERATION

This homogenizer emulsifier can have one, two or three stages. It is an independent unit equipped with maximum three MULTIDENT-type turbines that produce a high hydraulic shear on the products or a single STARMIX-type turbine, suitable for intense emulsification of shear-sensitive products.

Due to the intense working, this unit is fitted with a double cooling jacket to reduce the temperatures increase of the product and potential degradation of the active ingredients.

It can be adapted to any continuous process by combining turbines of different sizes, different speeds and different flow rates of variables products.

- » Robust and compact construction with quick disassembly in order to facilitate cleaning.
- » Depending on the viscosity of the products being processed, the unit can be fed by a positive displacement pump or directly from hoppers or tanks equipped with agitators. Recirculation circuits can be used to improve the efficiency and product quality.
- » Each stage has a reduction in clearance between the rotor/stator, resulting in a particle size reduction and the creation of highly stable emulsions.



Technical Data

Model	Volume (L)		Chamber volume (L)	Power (kW)
	Min.	Max.		
MHE-2/3 AV80	30	3,000	2.3	7.5
MHE-4/3 AV150	60	7,500	4.3	22