

Deliteur

Dispersing and mixing unit

The Deliteur is a dual function machine for dispersion and mixing. The agitation unit ensures both shearing effect and product recirculation, which together guarantee high operating efficiency.

Applications

- Dispersion of pigments, powder or paste, with up to 78% of solid content.
- Preparation of coating colours with up to 72% of solid content.
- Preparation of glues.
- Preparation of paints.
- Preparation of various dispersion for chemical and parachechemical industries.

Operating principle

Shearing effect achieved through the three-bladed turbine in the base of the vessel. The special design of the base and its proximity to the blades create a rotor-stator effect, increasing the shearing capability.

Pumping effect achieved by a special impeller (called "nose") installed on the same shaft as the turbine. This pumping effect operates from top to bottom, in order to:

- create a central vortex,
- ensure maximum circulation rate to obtain a homogeneous finished product,
- feed the agitator.



Benefits

Optimal operation conditions

- Total elimination of agglomerates without damaging the elementary particles.
- Reduction of binder consumption due to optimal contact with pigments.
- Fast dispersion or mixing.
- No emulsion breakdown.

Bottom-entry mixer

- Easy cleaning.
- Robust design (little sensivity to vibrations).
- Easy and fast loading since the tank is left totally clear.
- Accurate dosing.
- Reduced volume batches possible.

Features and performance

Range

Volume (m ³)	1	1.6	2.5	4	5	7	10	12.5	14
Max. power (kW)	37	55	75	110	132	160	200	250	250
Dispersion capacity* (T sec./24h) Pigment at 70%	60	80	110	165	200	240	325	350	370
Mixing capacity* (T sec./24h) Coating at 65%	60	85	120	180	210	280	380	450	480

* Capacities can vary by + or - 30% depending on the products and the feeding circuits.

Options

- Tank equipped with double jacket or half coil for heating or cooling.
- Load cell mounted equipment, for ingredient weighing.
- Cylindrical base for Deliteur installed on the ground.

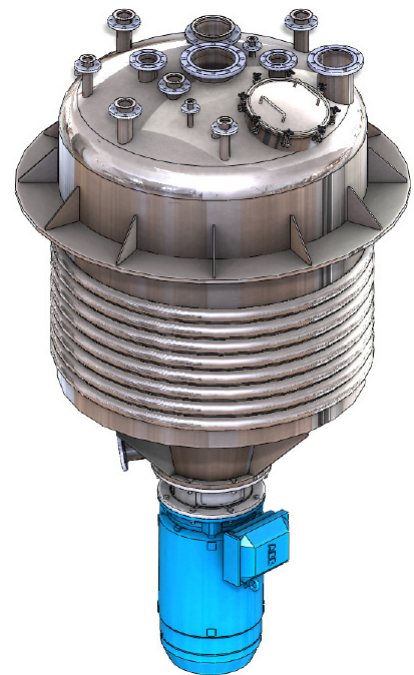


ABB France Industrial Automation Division Cellier Activity

700 bd. Jean-Jules Herbert
73100 Aix-Les-Bains, France
Tel.: +33 4 79 35 05 65
E-mail: info.cellier@fr.abb.com

Contact for the U.S.A.:
Tel.: +1 832 421 4864
E-mail: pablo.e.garce@us.abb.com

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