



VISCO JET® SPIRAL



Brilliantly solved

The Application

The homogenization of media with high viscosity is part of the manufacturing process in many industries, for example, pastes in the food and cosmetics industry, the paint and coatings industry.

Agitating solids such as powders or grains in a liquid phase is more difficult due to the changing product properties, e.g. in the field of plaster production.

If the agitating process is not matched to the requirements of the manufacturer, it leads to various challenges in their production process:

- ⊗ inconstant product quality due to an inhomogeneous mixture
- ⊗ Increased costs due to extension of process times to achieve the desired product quality
- ⊗ High energy costs due to a higher energy requirement for the agitator to achieve the desired product agitation performance in the agitator tank

Problem solver

The VISCO JET® SPIRAL is the best solution for homogenising highly viscous media and for efficiently suspending solids in liquid media.

The following features characterise the VISCO JET® SPIRAL:

- ⊙ suitable for media with a viscosity up to 100.000 mPas
- ⊙ Induced dynamic mixing by accelerated laminar flows at the cone outlet as well as turbulence at the cone inlet and between the spirals
- ⊙ the axial and radial flow design guarantees optimum flow rate in the vessel even with high viscosity of the product
- ⊙ rapid mixing of solids from the surface into the product through a smart impeller design

The details

- ⊕ 2-fold or 3-fold version of impeller cones
- ⊗ standard versions with diameters up to 2000 mm
- ⚡ material: 1.4301, 1.4404, 1.4571

Options:

- ⊕ Tornado version for application in IBC
- ⚡ installation in combination with different impeller levels and residual impeller
- ⊕ individual material according to customer requirements, e.g. Superduplex or Hastelloy
- ⊙ individual impeller sizes
- ⚡ individual coatings for a long service life
- ⚡ ground version with Ra < 0,8 µm or Ra < 0,4 µm

Sustainable in every detail



Product quality

A consistent, high product quality at high viscosity and high solid content of the medium



Process efficiency

Improved process efficiency due to shorter agitating times



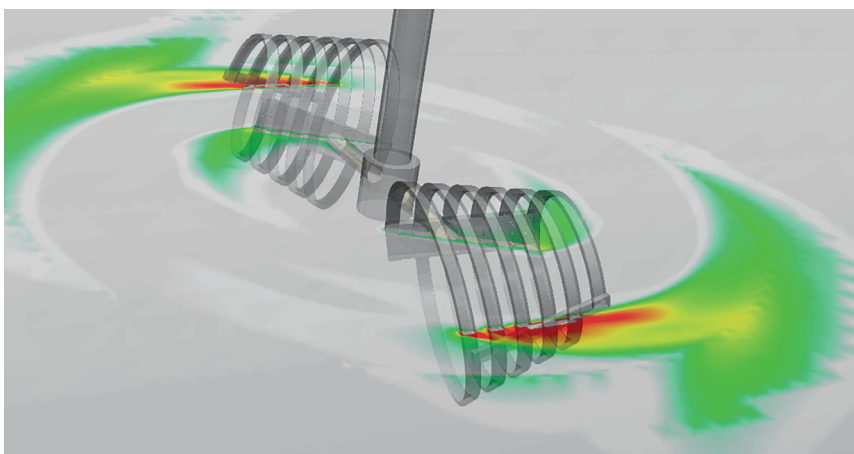
Sustainability

Sustainable processes due to lower drive power requirement



Process costs

Reduction of process costs due to lower wear and comparatively lower energy consumption of the agitator



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