



VISCO JET® CRACK

Groundbreakingly good in the laboratory



With our high-quality impeller solutions, you are ideally equipped in the laboratory. You can count on the reliable support of our VISCO JET® solutions for the development, testing, and quality control of your products.

The Application

Dispersions are essential components of the manufacturing process, especially in the paint and varnish sectors, in the production of ceramic components and the manufacturing of resins or putties, as well as in food production. In this process, agglomerates are broken up by the application of shear forces and are evenly wetted with the liquid or pasty phase, usually an additive.

The Technology

Due to its geometry, the VISCO JET® CRACK achieves both a dissolving of the agglomerates and a simultaneous homogenization in the liquid phase. The combination of the two processes into one leads to a significant improvement of efficiency in the production processes of our customers.

The following features characterise the VISCO JET® CRACK:

- ☑ suitable for media with viscosities of up to 200.000 mPas
- ⊕ the conical profile of the impeller is used to create the typical VISCO JET® flow characteristics. These create a self-induced dynamic mixing movement through accelerated laminar flows at the impeller outlet and turbulence at the inlet
- ⚙ the square design of the impeller and the leading breaking edges at the inlet serve to efficiently break up the agglomerates (coherent primary particles)
- ⊙ comparatively low speeds for an energy-efficient agitating process

Sustainable in every detail



Product quality

Constant and excellent product quality due to a high degree of dispersion of the agglomerates as well as homogeneous distribution in the liquid or pasty phase



Process efficiency

Improving process efficiency through simultaneous dispersion and homogenisation with one impeller



Process costs

Reduction of process costs through low wear and various combination options of agitator systems

The details

Ø Vessel (mm)	Filling height (mm)	Ground clearance (mm)	Type	Ø Impeller (mm)	Material	Ø Shaft (mm)	Thread
80 – 150	100 – 150	21		60	1.4404	10	M8
120 – 200	120 – 200	25		80	1.4404	10	M8
160 – 250	200 – 300	32		120	1.4571	10	M8
225 – 375	225 – 375	35		150	1.4571	10	M8

The perfect combination

Small, powerful and efficient - these are our VISCO JET® laboratory agitators. They are specially designed for these applications and, when combined with our impellers, provide the highest level of flexibility for daily laboratory work.



VISCO JET Rührsysteme GmbH
Mittlere Greut 2
79790 Küssaberg | Germany
viscojet.com