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Schütz Impeller: Contamination-free homogenisation of viscous media in IBCs

Under the motto "Circular Economy meets Technology" at Interpack 2026, Schütz will be showcasing solutions that combine circularity with technical performance to deliver maximum efficiency in customers' supply chains. A prime example of this approach is the packaging specialist's Impeller agitators, which mix viscous products quickly and reliably direct in the IBC.

With viscous liquids, thorough mixing is crucial for optimal processing. However, this comes with significant challenges. When the transport containers are opened, foreign particles can enter and significantly compromise product quality. Furthermore, cleaning conventional stainless-steel agitators is time-consuming and resource-intensive.

Schütz offers a more efficient solution: disposable agitators that are inserted directly into the IBC at the factory. Thanks to this pre-installation, the container does not need to be opened for the agitation process, which eliminates the risk of contamination. Schütz Impellers are available for all Ecobulk volumes from 560 to 1250 litres and can be easily connected to existing agitator drives.

To handle a variety of applications, Schütz has developed two different profiles for the Impeller. Both variants ensure that the product quality of the tank contents remains consistent, from filling to discharge, as well as providing optimal, efficient homogenisation.

Blade or bucket agitator: it depends on the speed

The Impeller with a bucket-type agitator is designed for powerful, uniform mixing and is particularly suitable for applications requiring intensive homogenisation. The second version, the Impeller with a blade agitator, was developed using Computational Fluid Dynamics (CFD) specifically for low-speed drives. The optimised wing profile ensures the even distribution of pigments and additives and enables the complete dissolution of sediments even during slow agitation as well as reducing material losses to a minimum.

Both versions are made from 100% recycled plastic and, after use, are returned together with the IBC through the Schütz Ticket Service and fully recycled. The Impellers fit seamlessly into Schütz's Circular-by-Design approach. They form part of a closed loop system that reduces waste,

conserves resources and, at the same time, contributes to the recycling of used materials into high-quality recyclates.

At Interpack on Stand D22 and E34 in Hall 10, Schütz will be presenting its solutions for the increasing demands for sustainability, global quality standards and efficient process chains in industrial packaging.

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Caption: To ensure optimal processing, viscous contents in IBCs are often homogenised using agitators prior to processing. The two versions of the Schütz Impeller enable contamination-free agitation directly within the closed IBC.

Photo: Schütz



Caption: To cater for a range of applications, Schütz has developed two different profiles for the Impeller. Both variants ensure consistent product quality of the tank contents, from filling to dispensing, as well as optimal homogenisation.

Photo: Schütz

About Schütz

Schütz GmbH & Co. KGaA is a leading international producer of high-quality transport packaging (Intermediate Bulk Containers, PE and steel drums, and jerrycans). The Group's headquarters are in Selters, Germany. Founded in 1958, SCHÜTZ employs more than 8000 people at over 80 production and service sites around the world. The four SCHÜTZ business units, ENERGY SYSTEMS, PACKAGING SYSTEMS, INDUSTRIAL SERVICES and COMPOSITES, each hold leading positions in their respective markets. The Group's turnover in 2025 was 2.5 billion euros. The company offers its customers a fully recyclable range of products and services. In line with its sustainability philosophy, SCHÜTZ TICKET SERVICE operates a closed loop system that ensures the fast collection and reconditioning of empty industrial packaging in all major industrial nations around the world.

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