



**ECOBULK WITH SCHÜTZ IMPELLER –  
for safe and efficient stirring processes**

# Optimum protection for your filling products – also during mixing and stirring processes.

Every time the packaging is opened, unwanted substances and particles can get inside.

This is a particular problem in mixing and stirring processes performed with multiple-use agitators. With the SCHÜTZ IMPELLER you can eliminate this risk and save costs while at the same time increasing process safety and user friendliness.

The SCHÜTZ IMPELLER is ideal for packaged products that need to be stirred or mixed before emptying, e.g.:

Paints and varnishes

Adhesives and sealants

Fertilisers and plant protection products

High-viscosity filling goods



PACKAGING  
PRODUCTION



PACKAGING  
DELIVERY



Discover the new full solution for more safety and efficiency in your supply chain:

# ECOBULK with the SCHÜTZ IMPELLER!

- We supply the ECOBULK with a one-way stirrer.
- Depending on the process and container configuration the container can be filled without removing the IMPELLER.
- After filling the ECOBULK remains closed throughout the entire supply chain right until the filling product is discharged – including during stirring processes.
- There is no risk of contamination caused by product residues on multiple-use stirrers, hence eliminating the need for time-consuming cleaning and controls.
- Existing agitator drives can be easily and quickly attached to the SCHÜTZ IMPELLER.
- Highest level of health protection: all contact with hazardous filling products is completely avoided, including the stirring process.
- After emptying the whole container is collected by SCHÜTZ, and the IMPELLER is 100 % recycled for materials.



## Eliminating the risk of contamination

With the SCHÜTZ IMPELLER the ECOBULK can remain closed throughout the entire supply chain right through to emptying!



# An overview of the system – ECOBULK with the SCHÜTZ IMPELLER.

## SCHÜTZ IMPELLER

The impeller is connected to the agitator via the steel shaft.

- Fits filling openings DN 150 or DN 225
- Span approx. 145 mm when closed and 422 mm with wings fully open
- External components made completely of HDPE
- Can be used in combination with an additional Dip-Tube system



## VARIANT WITH BUCKET AGITATOR

Efficient stirring processes: Effective stirring and homogenisation at speeds between 80-200 rpm (depending on the filling product). The advantage: Through the low speed, the filling product is gently mixed without the addition of air or formation of foam and can therefore be used directly.

Suitable for all 560, 640, 1,000 and 1,250 litre versions of the following ECOBULK models:

ECOBULK  
**MX**



ECOBULK  
**SX-EX**



ECOBULK  
**HX**





### FILLING

Depending on the process and the configuration, the container can be filled with or without opening the screw cap:

- **Through a separate S56x4 bung:** ideal for bottom-up filling, large screw cap remains closed
- **Through the screw cap:** the IMPELLER is removed and replaced again after filling



### VARIANT WITH BLADE AGITATOR

Optimised for agitator drives with low torque: Advanced component geometry through the targeted use of the latest CFD analyses in the development process. Improved stirring and dispersion processes for products that require slow agitation with low drive force. Effective stirring even at low IBC filling levels.

### DRIVE ADAPTION

The SCHÜTZ IMPELLER can be attached to all conventional stirring drives:

- Prior to use, a steel shaft is inserted into the hollow shaft of the IMPELLER
- The dimensions and the geometry of the steel shaft must be configured to fit the drive that is being used
- The steel shaft does not come into contact with the filling product and can therefore be removed after use, without any problems, and reused again



Detailed information about filling, drives, steel shafts and stirrers can be found in the IMPELLER Operating Manual which we will be happy to provide on request.

The bucket agitator is available for use in Class I and II Ex zones.



# Achieve the highest economic efficiency in your supply chain!

With **ECOBULK including the SCHÜTZ IMPELLER** you can save time and money along your entire supply chain compared with conventional multi-trip containers made of stainless steel.

This system helps to prevent any form of contamination in the filling product and the expense associated with cleaning, thus helping you to avoid additional costs.

## Collection and reconditioning

- Collection and environmentally friendly reconditioning, including 100 % material recycling of the HDPE in the SCHÜTZ ECOBULK including the IMPELLER
- No longer necessary to stock, clean or repair containers or agitators

## Emptying

- Easy emptying through the outlet valve or separate S56x4 bung

## Stirring

### With the SCHÜTZ IMPELLER:

- Clean and efficient stirring processes without needing to open the container
- No danger of contamination due to product residue on multiple-use stirrers





Do you have further questions about the SCHÜTZ ECOBULK with IMPELLER?  
**We will be happy to help: +49 2626 77 0**