



**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



Other viscous products



Other chemicals



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 one-way stirrer is attached to the ECOBULK screw cap:

- 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



PERFORMANCE

The bucket agitator enables an efficient mixing process at a low speed. Even at a speed of 80–200 rev/min (depending on the product), effective product mixing takes place due to the special form of the impeller. 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.

Stirring tests with the IMPELLER confirm the excellent results:

- Viscosities up to a min. of 5000 mPas can easily be stirred
- Higher viscosities subject to individual tests

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

ECOBULK
MX



ECOBULK
SX-EX



ECOBULK
HX

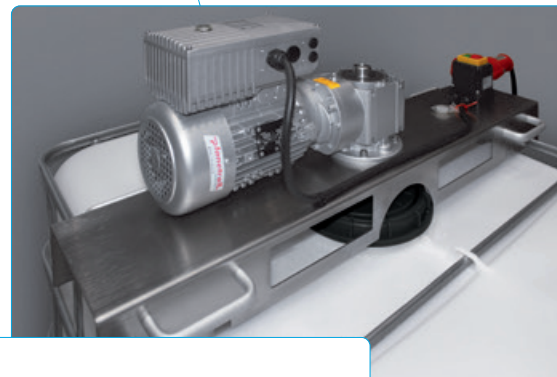




FILLING

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



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

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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.



Suitable for Ex-Zones 1 & 2



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

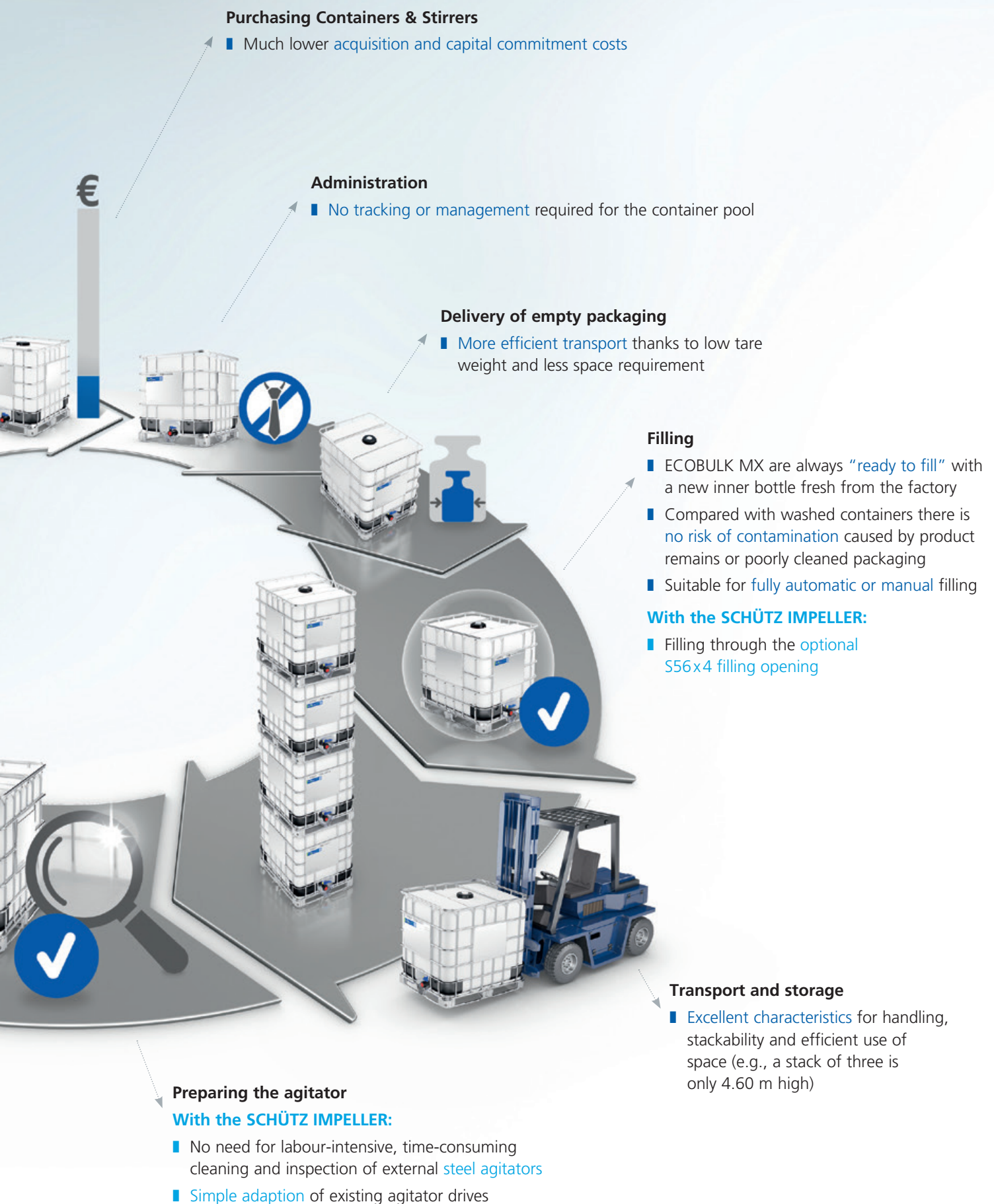
- Easy emptying through the outlet valve

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

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