

Teclen® Lyoprotect® Membrane with Filler Assembly

Easy Filling

The Lyoprotect® Membrane with Filler Assembly facilitates the filling of Lyoprotect® Stainless Steel and Aluminum Trays* in their assembled state.

The filler assembly is firmly welded to the membrane. The membranes are customized to the corresponding Lyoprotect® Trays, the position of the filler assembly is freely selectable.



Safe Sublimation

The membrane with filler assembly is designed for single use and is replaced before every new drying cycle. During sublimation, the vapor escapes via the hydrophobic membrane. It protects the API (Active Pharmaceutical Ingredient) against contamination and the working environment and staff against fly-out.

Simple Handling

The cap of the filler assembly is hand-screwed without any tools. Holding the retaining tab relieves the load on the weld seam when the cap is screwed on. The assembled tray is filled via a funnel or silicone tube and can be easily moved to the freeze-drier.

Sterilization

The assembled tray or its components can be sterilized in the autoclave by 121°C (250°F) for 20 minutes.

If assembled, the tray with the membrane must be placed on edge for sterilization. The cap must be (slightly) open during the sterilization process. APIs can be aseptically produced in compliance with GMP.

* Further information about the trays can be found in the data sheets for Teclen® Lyoprotect Stainless Steel and Aluminum Trays.

Product Claims of Teclen® Lyoprotect®

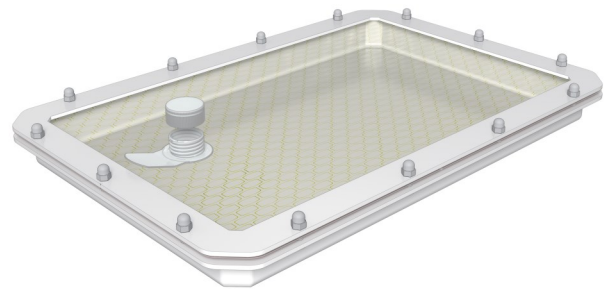
- Bacterial retentive, gas and vapor permeable membrane, excellent quality for lyophilization
- 100% visual inspection of membrane and components
- Receiving inspection with FTIR spectrometer and full traceability
- Lot release test (seam tightness)
- Components comply with the regulations for materials and articles intended to come into contact with food according to (EC) No 1935/2004 and (EU) No 10/2011
- The Lyoprotect® Membrane does not contain any material of animal origin
- Made in Germany

Design Features and Materials

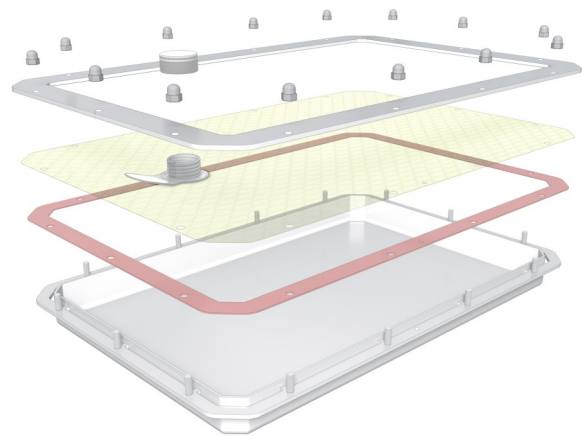
Single-use Components

Teclen® Lyoprotect® Membrane:

- Expanded PTFE on non-woven polypropylene backing
- Membrane faces the pharmaceutical product after assembly
- Customized to the corresponding Lyoprotect® Trays
- Asymmetrical design serves as positioning aid



Lyoprotect® Membrane with Filler Assembly, here suitable for stainless steel tray with fixing frame and flat gasket



Filler assembly:

- Firmly welded to membrane
- PP (polypropylene), pharma grade
- Opening of filler assembly: \varnothing 21.5 mm; suitable for silicone tubes with approx. D_o ¾ inch or 20 mm
- Non-slip retaining tab
- Position freely selectable



» Please see the Teclen® Lyoprotect® Product Catalog for detailed order information.

All technical information and recommendations are based on our experiences and / or test results. They are given to the best of our knowledge, but do not state any liability by our company. Users are responsible for checking the suitability of the respective product for their specific application.

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