GE Healthcare
Life Sciences

Swin-Lok Filter Holder

Stock Number 420200-25 mm

Product Information sheet

Warning
For research use only.
Not recommended or intended for diagnosis of disease in humans or animals.
Do not use internally or externally in humans or animals.

The 25 mm Swin-Lok Filter Holder is designed for microfiltration of small volumes of liquids using positive pressure. These holders are used for aseptic sampling of liquids or gases in the laboratory or when samples must be collected and processed on site. A variety of membrane types, including Nuclepore™ and Cyclopore™ track-etch, cellulosic as well as glass fiber filters can be used in this holder. The user should select the appropriate membrane type based on the application being performed.

Specifications

Material	
Holder	Polypropylene
O-ring	Silicone
Max. Operating Temperature/Pressure	38°C (100°F) at 3.4 bar (50 psi)
Autoclaving	121°C (250°F) at 15 psi, 15 minutes
Holder Size	3.0 cm OD × 3.5 cm H
Membrane Diameter	25 mm
Prefilter	Not recommended
Filtration Area	3.5 cm²
Connections	
Cap	Female Luer Lock
Base	Male Luer Slip

Operating Instructions

Assembly

1. Unscrew assembly ring and set aside.
2. Install O-ring.
   - **2.1.** Remove cap.
   - **2.2.** Press O-ring securely into the molded groove on underside of cap.
3. Select the membrane appropriate for the application.

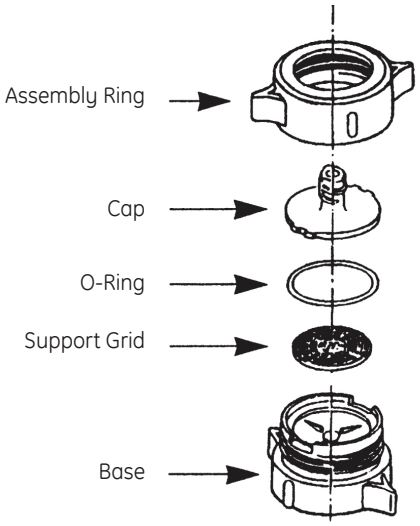


Figure: Expanded View of 25 mm Swin-Lok Filter Holder

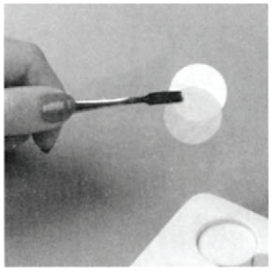
4. Place the membrane into the holder.
   - **4.1.** Remove the separator paper from the membrane by bending the membrane and paper to form a convex surface. Using forceps, separate the two by slipping one forcep tong inbetween, and gently gripping the membrane.
   - **4.2.** Place the membrane on the holder base. (The smoother shiny side is normally the preferred collection surface for microscopic analysis.)
5. Place the cap over the membrane so that it completely covers the membrane and tabs fit into open slot on base.
6. Secure the cap to the base so that the anti-twist tabs interlock, taking care not to displace the membrane.
7. Replace assembly ring over cap and screw tightly onto the base.

Membrane Handling Tips

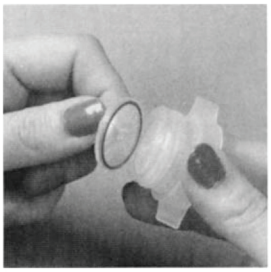
1. Never handle membrane with fingers. Use:
   - blunt, curve tipped forceps (wet or dry membrane)
   - vacuum tweezers (dry membrane)
2. Membrane identification can be made by marking the bottom side of the membrane with an indelible black ball point pen.



Install O-ring



Remove separator paper from membrane



Secure cap to base



Screw assembly ring to base

Autoclaving
Holders, loaded* or unloaded with Whatman membranes, can be repeatedly autoclaved at 121°C (250°F) for 15 minutes at 15 psi, or sterilized by purging with standard sterilizing gas mixtures (not < 20% ethylene oxide).

Disassembly
1. Unscrew assembly ring. Remove cap.
2. Carefully unload membrane with forceps.

Cleaning
1. Disassemble holder completely.
2. Wash all parts with suitable solvent (i.e. isopropyl alcohol). **Do not use acetone**. If scrubbing is required, use a soft bristle brush.
3. Rinse in clean water. Air dry.
4. Store disassembled holder in plastic bag or other clean receptacle.

Note: If holder is pre-loaded and sterilized, do not store above normal room temperature for long periods.

* *Loosen assembly ring one-eighth of a turn. Re-tighten after autoclaving. Inlet and outlet should be covered with appropriate autoclave wrap during steam autoclaving.*

Operating Tips
1. Check to see that the assembly ring is tightened after making inlet and outlet connections.
2. **Never** operate holders above 3.4 atm at 38°C (50 psi at 100°F)
3. Periodically inspect seals for signs of deterioration (cracks, color changes) and replace as needed.

Ordering Information

Stock No.	Description	Qty/Pk
420200	Swin-Lok Holder 25 mm	10

GE Healthcare Life Sciences offers a range of membrane types and pore sizes for use with the 25 mm Swin-Lok Filter Holder, for example:
- Nuclepore and Cyclopore Track-Etch Polycarbonate
- Nuclepore and Cyclopore Track-Etch Polyester
- Mixed Cellulose Ester
- Glass Fiber

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First published June 2008.

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700100067 AB 02/2013