

User Guide

OptiScale® 47 Capsule Filter with Polygard® CN Media

Introduction

The OptiScale® 47 capsule filter is a single use filter designed for process development and scaling. It is not designed or validated as a sterilizing grade filter.

Specifications

Please refer to the Certificate of Quality for complete specifications.

Maximum inlet pressure	5.5 bar (80 psi) at 25 °C
Storage	Store in original packaging at room temperature.
Sterilization	Filter may be autoclaved for three cycles of 60 minutes at 126 °C.
Housing Vent	Adjustable vent with male Luer and female Luer-Lok™ connections on device inlet
Effective Surface Area	17.7 cm ²
Labeling	Each filter is labeled with membrane type and pore size. Box labels contain product and lot data.

Installation

1. Remove filter from packaging.
2. Connect the filter inlet to the inlet tubing.
3. Connect the filter outlet to the outlet tubing.
4. Install the filter in the vertical position with the inlet on top and outlet on bottom to avoid air lock.
5. Autoclave if required.

Wetting

Notes

- Avoid introducing air into the filter.
 - The filter must be completely wetted. Any residual air in the filter may impair fluid flow and reduce the capacity of the filter.
1. Clamp the outlet tubing or use a valve to prevent filtrate flow during the filter wetting step.
 2. Open the vent and slowly introduce the process fluid through the capsule inlet port.
 3. Open the vent until no air escapes through the vent and process fluid is visible. Close the vent.
 4. Open the clamp or valve on the outlet tubing to start fluid flow.

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For technical assistance and worldwide contact information please visit:

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