Autoclaving our PTFE Syringe Filters - Tech Information

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Overview

AQ™ brand PTFE syringe filters are designed for chemical resistance and versatility across a wide range of laboratory applications.

In workflows where sterilization is required, users may safely autoclave these filters under specific controlled conditions without compromising the integrity of the PTFE membrane or its housing.

Autoclave Compatibility

AQ™ PTFE syringe filters can be autoclaved safely under the following conditions:

- Autoclave temperature: 121 °C
- Maximum exposure time: 15 minutes

This controlled exposure ensures that the PTFE membrane and filter housing maintain structural stability and filtration performance during sterilization cycles.

Recommended Temperature Limits for Ongoing Use

For continuous or repeated autoclave cycles—such as routine sterilization between batches—MICROSOLV recommends:

- Do not exceed 80 °C during continuous or prolonged autoclaving processes.

Staying within this temperature limit helps preserve membrane integrity, prevent deformation, and maintain optimal filtration performance over time.

Practical Notes

- Allow filters to cool gradually after autoclaving to avoid thermal shock.
- Inspect filters before reuse to ensure membrane stability and housing integrity.
- Always verify compatibility between your sample matrix and PTFE membranes when filtering post-sterilization.

Ordering Information

- Click HERE to view ordering options and product images for **AQ™ brand PTFE syringe filters**.
- **Attachment:** MICROSOLV Filters Equivalency Study pdf Download File

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