PALL Medical

Aquasafe™ Water Filter AQIN

In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Up to 31 Days Use





Features

- Physical barrier against waterborne contaminants including *Legionella spp.* and *Pseudomonas spp.*
- Validated double layer sterilising grade filtration with integral pre-filter
- Validated life time under real life condition
- Quick connectors on inlet and outlet ports
- Fully recyclable materials
- Compatible with common systemic heat and chemical disinfection

Benefits

- Provides microbiologically controlled water 0.2µm sterilising grade filtration efficiency
- Provides water for equipment reprocessing, rinsing and ice production*
- Proven performance, cost effective, easy logistics, reduced waste
- Easy connection and disconnection for change-out logistics
- Environmentally friendly
- Complementary to sanitisation programs

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The Aquasafe In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Ports (Reorder Code: AQIN) provides filtered water suitable for applications such as rinsing of dental and medical instruments, including endoscope, for intake line of ice making machines*, water dispensing machines*, and other similar uses, for up to 31 days use. The double layer sterilising grade Supor™ membrane is rated and validated at 0.2 µm[1-4], and acts as a physical barrier to waterborne particulates and pathogens such as *Legionella spp.* and *Pseudomonas spp.*

Technical Specifications

Aquasafe Disposable Water Filters (AQIN)	Sterile products
Membrane area	Approx. 550 cm² (85.3 sq in)
Membrane rating	Sterilising grade** membrane[1-4] 0.2 µm Supor™ with integrated pre-filtration layer (approx. 1.0 µm)
Length (excluding quick connect adaptor)	70 mm nominal (2.8 in)
Maximum upstream operating pressure	5 bar (approx. 75 psi) at 60 °C (140 °F)
Normal upstream operating pressure	2 - 4 bar (approx. 30-60 psi)
Maximum lifetime	up to 31 days
Maximum continuous influent water temperature	60 °C (140 °F)
Maximum temperature exposure	70 °C (158 °F) for a total cumulative period of 30 mins over the life of the filter
Typical water flow rate	3.4 L/min at 1 bar (0.9 gal/min at 15 psi) 8.0 L/min at 3 bar (2.1 gal/min at 45 psi) 12.8 L/min at 5 bar (3.4 gal/min at 75 psi)

The Aquasafe Disposable Water Filter (AQIN) is compatible with:

Chlorine Dioxide: up to 1 ppm chlorine dioxide over indicated life followed by shock treatment with 100 ppm chlorine dioxide for 12 hours at 20 ºC +/- 5 ºC (68 °F +/- 9 °F).

Active Chlorine: 100 ppm active chlorine for 1 hour at 20 ºC +/- 5 ºC (68 °F +/- 9 °F).

Continuous Treatment with Active Chlorine Followed by Shock Treatment: 1-8 ppm active chlorine at 30 ºC (86 °F) over indicated life followed by shock treatment with 100 ppm active chlorine solution for 1 hour at 30 ºC (86 °F).

pH: pH of 12.8 for 1 hour at 20 ºC +/- 5 ºC (68 °F +/- 9 °F).

Peracetic Acid: 1000 ppm peracetic acid for 2 hours at 60 ºC (140 °F).

Ordering Information

Reorder Code	Description	Packaging
AQIN	Aquasafe In-Line Disposable Water Filter for up to 31 Days Use with Quick Connect Inlet and Outlet Ports	12 units per case

Quick Connect Adaptors

Reorder Code	Description	Packaging
TAP1/2MN	1/2 inch, male thread, non-valved	1 unit
TAP1/2MV	1/2 inch, male thread, valved	1 unit
TAP1/2FN	1/2 inch, female thread, non-valved	1 unit
TAP1/2FV	1/2 inch, female thread, valved	1 unit
TAP22FN	22 mm, female thread, non-valved	1 unit
TAP22FV	22 mm, female thread, valved	1 unit
TAP24MN	24 mm, male thread, non-valved	1 unit
TAP24MV	24 mm, male thread, valved	1 unit
TAPUC	Universal (15 – 29 mm), non-threaded	1 unit

*Where local practices and regulations allow.

**Water provided by this device, though filtered through a sterilising grade membrane, is not intended for use for injection, nor is it claimed to meet any standard pertaining to pharmaceutically pure water.

References

1. In-Line Disposable Water Filter with Quick Connect Inlet and Outlet Ports (AQIN).
2. American Standard Test Method (ASTM) F838-15a. "Determining Bacterial Retention of Membrane Filters Utilised for Liquid Filtration".
3. Health Industry Manufacturers Association (HIMA) Document No.3, Vol. 4. Microbiological evaluation of filters for sterilizing liquids.
4. FDA "Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing-Current Good Manufacturing Practice", September 2004

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CV0000334_Unregulated_V1.0
09/2026

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