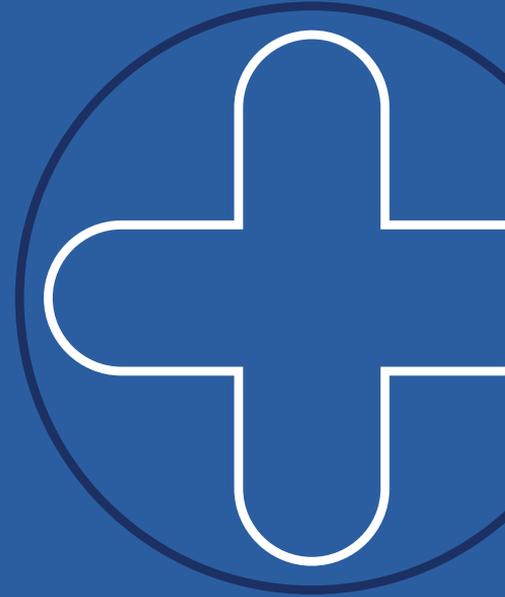


# Pall-Aquasafe™ Water Filter

Disposable Shower Head Filter  
Up to 31 Days Use



## Features

Barrier against waterborne contaminants including *Legionella* spp. and *Pseudomonas* spp.<sup>1</sup>

Validated double layer sterilizing grade filtration with integral pre-filter

Enhanced bacteriostatic efficiency of 99.99 % for *Pseudomonas aeruginosa*

Fully recyclable materials

Compatible with common systemic heat and chemical disinfection

## Benefits

Reduces exposure to waterborne contaminants

Documented performance, validated according to international requirements

Bacteriostatic additive throughout housing material, minimizes risk of retrograde contamination

Environmentally friendly

Complementary to standard sanitization programs

**QPoint Disposable Water Filter**

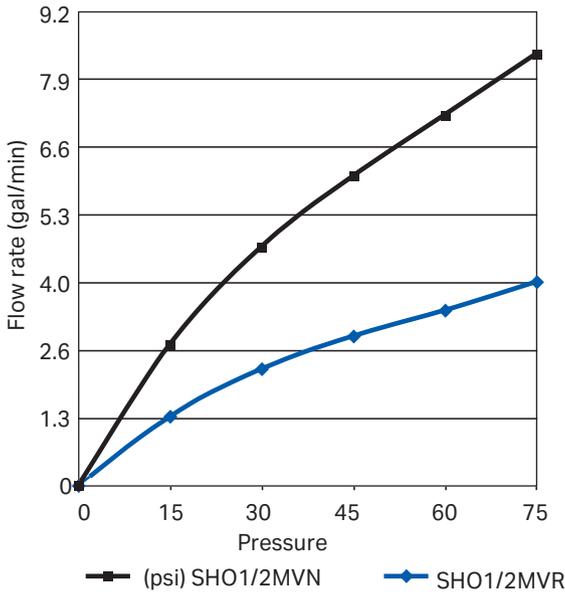
The Pall-Aquasafe Disposable Shower Head Filter (AQF4A) provides filtered water suitable for washing and drinking, superficial wound cleansing\*, cleaning of equipment used in medical procedures and washing of surgeon's hands for up to 31 day use. The double layer sterilizing grade Supor® membrane is rated and validated at 0.2 µm<sup>2-4</sup>, and may aid in infection control by acting as a barrier to waterborne particulates and pathogens.

To minimize the risk of retrograde contamination, the filter housing material utilizes silver technology as an enhanced, non-leaching bacteriostatic additive.

**Technical Data**

Pall-Aquasafe Disposable Shower Head Filter (AQF4A)	510(k) Cleared Device
Membrane area	Approx. 158 in <sup>2</sup> (1020 cm <sup>2</sup> )
Membrane rating	Sterilizing grade** membrane <sup>2-4</sup> 0.2 µm Supor with integrated pre-filtration layer (approx 1.0 µm)
Length (excluding quick connect adapter)	Approx. 9.45 in.
Maximum upstream operating pressure and temperature	75 psi @ 140 °F
Normal upstream operating pressure	30 - 60 psi
Maximum continuous operating temperature	140 °F
Maximum temperature exposure	158 °F at 75 psi for a total cumulative period of 30 mins over the life of the filter
Maximum lifetime	31 days

**Flow rate against inlet water pressure**



**The Pall-Aquasafe Water Filter (AQF4A) is:**

Shock treatment with pH > 12 (NaOH): Compatible with sodium hydroxide (NaOH) solutions (pH 12.8) for up to 1 hour at ambient temperature.

Shock treatment with active chlorine (Cl<sub>2</sub>): Compatible with 100 ppm Cl<sub>2</sub> for up to 1 hour at ambient temperature.

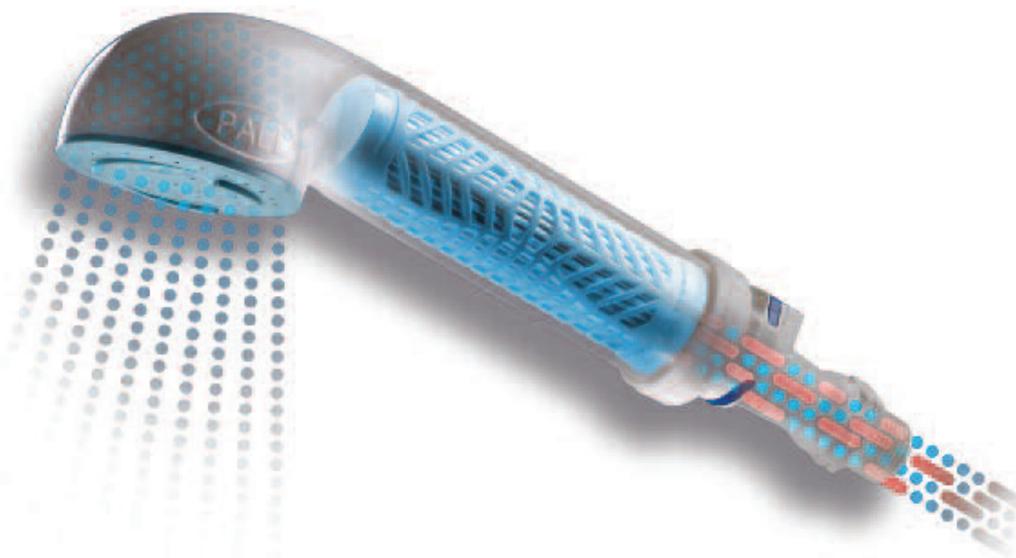
Thermal shock treatment: Exposure at 158 °F for a total cumulative period of 30 minutes over the lifetime of the filter at up to 75 psi inlet pressure.

Continuous treatment with active chlorine (Cl<sub>2</sub>): Compatible with Cl<sub>2</sub>; < 7 ppm at 86 °F over the filter's indicated lifetime followed by Cl<sub>2</sub> shock treatment with 100 ppm for up to 1 hour at ambient temperature.

Treatment with chlorine dioxide (ClO<sub>2</sub>): Compatible with continuous ClO<sub>2</sub> treatment at 1 ppm and ClO<sub>2</sub> shock treatment with 100 ppm for 12 hours.

Shock treatment with peracetic acid (C<sub>2</sub>H<sub>4</sub>O<sub>3</sub>): Compatible with 1000 ppm C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> at 140 °F for 2 hours.

\*\*Pall-Aquasafe Disposable Water Filters are not intended to provide water for infusion or injection, or substitute USP grade sterile water.



\*Where local practices and regulations allow.

## Ordering Information

Reorder Code	Description	Packaging
<b>AQF4A</b>	Pall-Aquasafe Disposable Shower Head Filter 510(k) Cleared Device	12 units per case

## Quick Connect Adaptors

Reorder Code	Description	Packaging
<b>SHO1/2MVR</b>	With valve, with restrictor for higher† water pressures	1 unit
<b>SHO1/2MNR</b>	Without valve, with restrictor for higher† water pressures	1 unit
<b>SHO1/2MVN</b>	With valve, without restrictor for lower water pressures	1 unit
<b>SHO1/2MNN</b>	Without valve, without restrictor for lower water pressures	1 unit

† As a guide, use of a restricted connector adaptor with water pressures above 45 psi may be advisable.

## References

1. Pall-Aquasafe Water Filter Disposable Shower Head Filters Validation Guide 160720.1WUS
2. American Standard Test Method (ASTM) F838-05. "Determining Bacteria 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, <http://www.fda.gov/downloads/Drugs/.../Guidances/ucm070342.pdf>

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