



Pall-Aquasafe™ Water Filter



Disposable Shower Head Filter (Reorder Code: AQF4A) – 31 Day Use

Features

Barrier against waterborne contaminants including *Legionella* spp. and *Pseudomonas* spp.¹

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

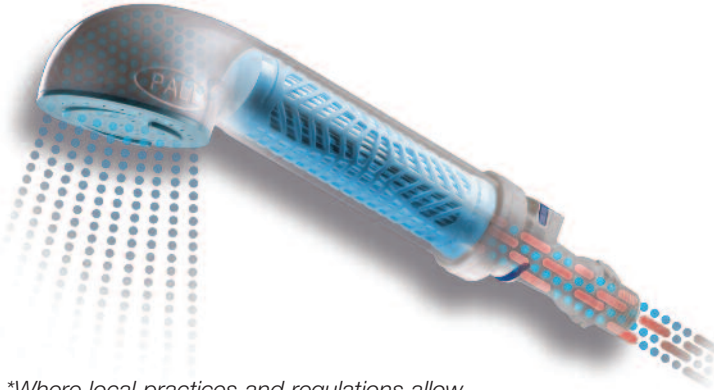
Environmentally friendly

Complementary to standard sanitization programs

Background

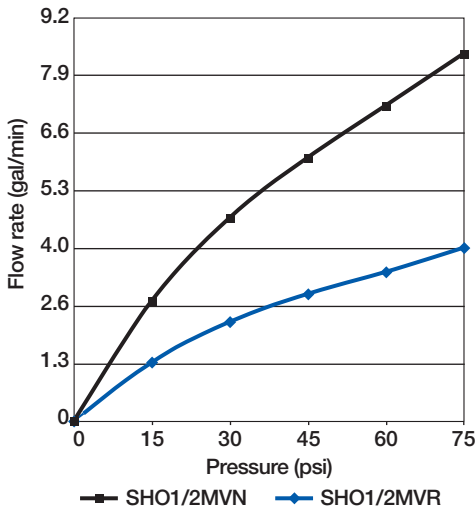
The Pall-Aquasafe Disposable Shower Head Filter (AQF4A) provides filtered water suitable for washing and drinking*, superficial wound cleansing, cleaning of equipment used in medical procedures and washing of surgeon's hands for up to 31 day use. The double layer sterilizing grade Supor® membrane is rated and validated at 0.2 µm²⁻⁴, 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.



*Where local practices and regulations allow.

Flow rate against inlet water pressure



SHO1/2MVN



SHO1/2MNN



SHO1/2MVR



SHO1/2MNR

Technical Data

Pall-Aquasafe Disposable Shower Head Filter (AQF4A)	510(k) Cleared Device
Membrane area	Approx. 158 in ² (1020 cm ²)
Membrane rating	Sterilizing grade** membrane ²⁻⁴ 0.2 µm Supor with integrated pre-filtration layer (approx 1.0 µm)
Length (excluding quick connect adaptor)	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

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 (Cl₂): Compatible with 100 ppm Cl₂ 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 (Cl₂): Compatible with Cl₂: < 7 ppm at 86 °F over the filter's indicated lifetime followed by Cl₂ shock treatment with 100 ppm for up to 1 hour at ambient temperature

Treatment with chlorine dioxide (ClO₂): Compatible with continuous ClO₂ treatment at 1 ppm and ClO₂ shock treatment with 100 ppm for 12 hours

Shock treatment with peracetic acid (C₂H₄O₂): Compatible with 1000 ppm C₂H₄O₂ 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.

Ordering Information

Reorder

Code	Description	Pkg
AQF4A	Pall-Aquasafe Disposable Shower Head Filter 510(k) Cleared Device	12 units per case

Quick Connect Adaptors

SHO1/2MVR	With valve, with restrictor for higher ¹ water pressures	1 unit
SHO1/2MNR	Without valve, with restrictor for higher ¹ water pressures	1 unit
SHO1/2MVN	With valve, without restrictor for lower water pressures	1 unit
SHO1/2MNN	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

- Pall-Aquasafe Water Filter Disposable Shower Head Filters Validation Guide GN160720.1WUS
- American Standard Test Method (ASTM) F838-05. "Determining Bacteria Retention of Membrane Filters Utilised for Liquid Filtration"
- Health Industry Manufacturers Association (HIMA) Document No.3, Vol. 4. Microbiological Evaluation of Filters for Sterilizing Liquids
- 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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