



Pall-Aquasafe™ Water Filter



Disposable Shower Head Filter (AQF4, AQF42) – 31 Day Use

Features

Protective barrier against waterborne contaminants including *Legionella* spp. and *Pseudomonas* spp.

Validated double layer sterilising grade filtration with integral pre-filter

Enhanced bacteriostatic efficiency of 99.99% for *Pseudomonas aeruginosa*

Increased longevity

Fully recyclable materials

Water saving quick connect adaptor option

Compatible with common systemic heat and chemical disinfection

Benefits

Reduces the risk of water associated nosocomial infection

Documented performance, validated according to international requirements

Bacteriostatic additive throughout housing material, minimises risk of inadvertent cross-contamination and retrograde contamination

Cost effective protection, easier logistics, reduced waste

Environmentally friendly

Cost saving, environmentally friendly

Complementary to standard sanitisation programs

Quick Connection, Immediate Protection.

Background

The Pall-Aquasafe Water Filter for up to 31 day use (AQF4, AQF42) provides filtered water for topical use, personal hygiene, wound care*, consumption and the preparation of cold drinks and food*, and for rinsing of medical instruments. The double layer sterilising grade Supor® membrane is rated and validated at 0.2 µm^{1,2} and protects against waterborne particulates and pathogens such as *Legionella* spp. and *Pseudomonas* spp.

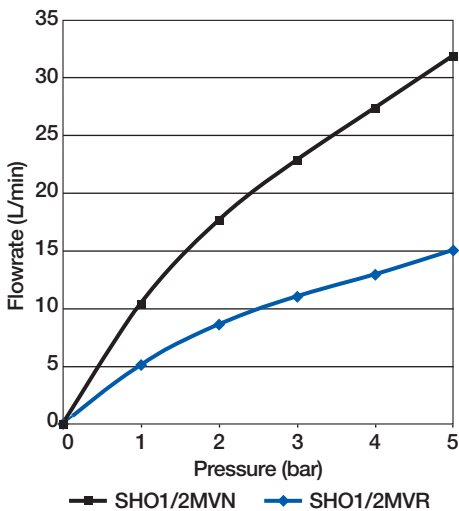
To minimise the risk of inadvertent cross-contamination and retrograde contamination, the filter housing material utilises silver technology as an enhanced, non-leaching bacteriostatic additive.

* Where local practices and regulations allow.



- ▶ Easy to use, convenient and cost effective
- ▶ Protection for high risk areas and for immunocompromised patients

Flow rate against inlet water pressure



SHO1/2MVN



SHO1/2MNN



SHO1/2MVR



SHO1/2MNR

Technical Data

Pall-Aquasafe Disposable Water Filter (AQF4, AQF42)	CE Marked Medical Device
Membrane area	Approx. 1020 cm ²
Membrane rating	Sterilising grade** membrane ^{3,4} 0.2 µm Supor with integrated pre-filtration layer (approx 1.0 µm)
Length (excluding quick connect adaptor)	Approx. 240 mm
Maximum upstream operating pressure	5 bar (500 kPa) @ 60 °C
Normal upstream operating pressure	2 – 4 bar (200 – 400 kPa)
Maximum continuous operating temperature	60 °C
Maximum temperature exposure	70 °C for a total cumulative period of 30 mins over the life of the filter
Maximum lifetime	31 days

The Pall-Aquasafe Water Filter (AQF4, AQF42) is compatible with up to 1.0 mg/L ClO₂ (1 ppm) for use over the indicated life, solutions of 100 ppm free chlorine or pH 12.82 for one hour at ambient temperature (20 °C ± 5 °C) and chemical treatments utilizing 1000 ppm peracetic acid at 60 °C for two hours.

** Pall-Aquasafe Water Filters are not to be used for producing water for infusion or injection.

For compliance to food and drink regulations, please see Pall Validation Guide¹.

Ordering Information

Reorder

Code	Description	Packaging
AQF4	Pall-Aquasafe Disposable Shower Head Filter	12 units per case
AQF42	Pall-Aquasafe Disposable Shower Head Filter	2 units per case

Quick Connect Adaptors

SHO1/2MVR	With valve, with restrictor for higher [†] water pressures	1 unit
SHO1/2MNR	Without valve, with restrictor for higher [†] 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 3 bar may be advisable.

References

- Validation Guide. Pall-Aquasafe Water Filter. Disposable Shower Head Filter (AQF4). Literature Ref. 10.3938
- Field Evaluation Report. Pall-Aquasafe Water Filter. Disposable Shower Head Filter (AQF4). Literature Ref. 10.4136
- 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

Further Reading

- Hall *et al.*, Provision of safe potable water for immunocompromised patients in hospital. *J Hosp Infect* 58 (2): 155-8. 2004.
- Sheffer *et al.*, Efficacy of new point-of-use water filter for preventing exposure to *Legionella* and waterborne bacteria. *Am J Infect Control*. 33 (5 Suppl 1): S20-5. 2005
- Vianelli *et al.*, Resolution of a *Pseudomonas aeruginosa* outbreak in a hematology unit with the use of disposable sterile water filters. *Haematologica*, 91 (7): 983-5. 2006
- Tu H-Z *et al.*, Use of disposable water filter for prevention of false-positive results due to non-tuberculosis mycobacteria in a clinical laboratory performing routine acid-fast staining for tuberculosis. *App Environ Micro*. 73 (19), 6296-8. 2007.
- Trautmann *et al.*, Point-of-use water filtration reduces endemic *Pseudomonas aeruginosa* infections on a surgical intensive care unit. *AJIC*, 36 (6): 421-9. 2008.

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