

## Water Filter for Aircraft

Potable water systems are often contaminated with particulate matter and microorganisms. The Pall point of use water filter is designed to offer immediate, validated protection for passengers and crew against waterborne pathogens.

### Features

- Sterilizing grade membrane provides protection from waterborne microorganisms
- Bacteriostatic additive to reduce retrograde contamination
- Vented housing for pressurized aircraft systems
- Fully recyclable materials

### Benefits

- Reduces the risk of waterborne infection
- Provides instantaneous protection
- Qualified to International Aerospace Standards
- Suitable for pressurized aircraft systems (built in air venting)
- Design based on technology widely used in hospitals
- Cost effective
- Environmentally friendly



## Pall® Point of Use Water Filter for Aircraft

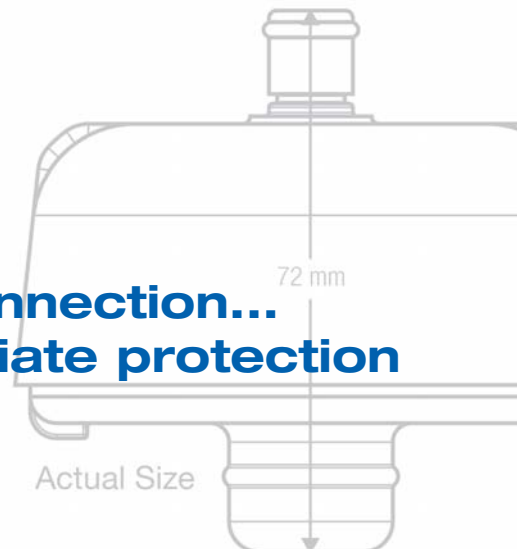


### How Does it Work?

The double layer 0.2  $\mu\text{m}$  membrane protects against waterborne particulate and microbial contamination, including pathogens such as *Legionella spp.*, *Pseudomonas spp.* and *Cryptosporidium parvum*.

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

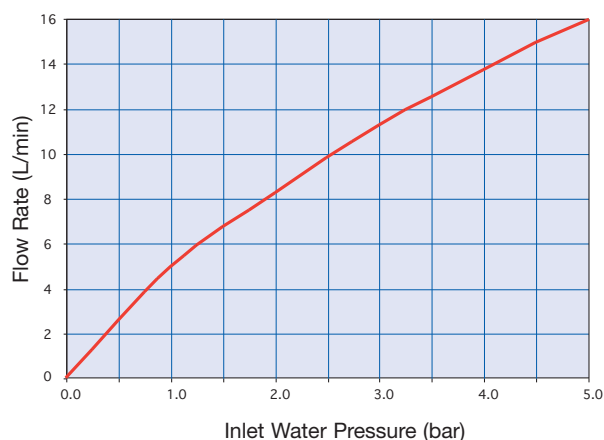
**Quick connection...  
...Immediate protection**



## Technical Data

Membrane area	460 cm <sup>2</sup> nominal
Membrane rating	0.2 µm Supor® membrane with integrated pre-filtration layer (approx 1.0 µm)
Length (excluding quick connect adaptor)	72 mm nominal
Maximum upstream operating pressure	up to 5 bar (73 psi)
Maximum lifetime	Meets aircraft maintenance schedules
Burst pressure	17 bar (250 psi)
Maximum continuous influent water temperature	60 °C (140 °F)
Maximum temperature exposure	70 °C (158 °F) for 30 mins over the life of the filter
Maximum dry weight	150 grams

Typical Flow Rate



## Quick Connect Adaptors

	Code	Description
1/2 in.	TAP1/2FN	1/2 in. female thread without valve
	TAP1/2FV	1/2 in. female thread with valve*
	TAP1/2MN	1/2 in. male thread without valve
	TAP1/2MV	1/2 in. male thread with valve*
22 mm	TAP22FN	22 mm female thread without valve
	TAP22FV	22 mm female thread with valve*
24 mm	TAP24MN	24 mm male thread without valve
	TAP24MV	24 mm male thread with valve*
15-29 mm	TAPUC	Universal connector (15 - 29 mm), non-threaded, valved*

\*Quick connect tap adaptors with valves prevent potentially contaminated water flowing from the supply system when no filter is in place.

## Ordering Information

Code	Description	Packaging
QC0434	Pall POU Water Filter	10 units per case

## Product Qualification

- Filtration rating based on testing to the principles of ASTM F838-05
- Microbial rating based on testing to the principles of Method (ASTM) F838-83 "Determining Bacterial Retention of Membrane Filters Utilized for Liquid Filtration"
- Life has been tested using *Brevundimonas diminuta*
- Materials tested to BS 6920: 2000, Non-metallic product in contact with drinking water at 23 °C (73 °F) and 70 °C (150 °F)
- Sterilized in accordance with the ISO 11137 series of standards
- Meets Flammability / Heat release / Smoke toxicity requirements from Airbus, FAR and EASA requirements
- Meets the requirements of ABD0100
- Meets the requirements of RTCA DO 160E
- Approved for use on aircraft



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