







FILT'RAY Compact

→ 3 M → Z M

POINT-OF-USE FILTERS

Taps, wall showers and shower heads All-germ & anti-Legionella, pseudomonas

TECHNOLOGICAL INNOVATION

→ SPACE SAVING SUITABLE FOR TAPS WITH A LOW DROP HEIGHT

- 1-month: H. 38mm Ø 46mm
- 2-month: H. 44mm Ø 56mm
- 3-month: H. 50mm Ø 56mm
- 4-month: H. 63mm Ø 56mm

→ SUPERIOR PERFORMANCE

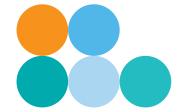
- Tubular membrane microfiltration
- Very high filtration capacity
- Completely effective and reliable with potable water of any quality¹
- Filter lifespan up to 4 months

→ RETRO-CONTAMINATION IS CAREFULLY CONTROLLED

- Point-of-use filtration
- Protective skirt
- Position optimised thanks to the tilted connector

→ RAPID CONNECTION FOR IMMEDIATE PROTECTION

- Shower head filter: screws onto all standard shower hoses
- Tap filter: simply connect to the outlet requiring treatment, no tools required³







AQUATOOLS, expert in water hygiene at the point-of-use in Public Buildings.

Compact

New FILT'RAY tap, wall shower and shower head filtration devices. These filters are available in non-sterile versions with lifespans of 1, 2, 3 & 4 months.

AQUATOOLS is ISO 14001, 9001:2015 and ISO 13485:2016 certified.

FILT'RAY

Technological innovation - FILT'RAY filter

FILT'RAY all-germ point-of-use filters provide a physical barrier to reduce the risk of infection related to waterborne microorganisms such as bacteria (Legionella pneumophila, Pseudomonas aeruginosa and other Gramnegative bacilli, non-tuberculous Mycobacteria), fungi (Aspergillus sp., Fusarium sp), protozoa and particles from the water distribution network.



FILT' RAY 1, 2, 3 & 4-month filters are designed to protect immunocompromised patients and vulnerable people. Point-of-use filters are needed for the care of hospitalised immunocompromised patients in areas of increased risk such as bone and organ transplant units, oncology wards, intensive care, neonatal services and any other area that cares for this type of patient.

General Information

- Instantaneous microbial challenge at DO, 1, 2, 3 & 4 months, in accordance with the ASTM F838 standard:
 - with **Brevundimonas diminuta** at 10⁷ CFU/cm² for the effective filtration area; > $\log 7$ retention. The membrane is deemed to be sterilising grade².
 - with Legionella pneumophila and Pseudomonas aeruginosa retention at 10⁷ CFU/cm² for the effective filtration area; > log7 retention.
- Continuous and individual checks of the filtration membrane and the finished product.
- Class I Medical Devices compliant with European Regulation UE 2017/745. CE marked: year 2021.
- International potable water certification (ACS France, KTW Germany, WRAS - United Kingdom).
- Material specification meets the requirements of the European Pharmacopoeia.

FILT' <i>ray</i> Technical Features		
Device material	ABS	
Membrane type	Tubular microfiltration	
Membrane material	Polyethylene	
Cut-off threshold	0,1µm nominal-rated & 0,2µm absolute-rated	
Operating range	1-5 bars; 5 -42°C (at 5 bar); up to 60° C (at 2 bar)	
Thermal shock resistance	70°C for 30 minutes	
Chemical shock resistance	100ppm active chlorine for 1 hour total cumulative period (1-month filter) 100ppm active chlorine for 2 hours total cumulative period (2-month filter) 100ppm active chlorine for 3 hours total cumulative period (3-month filter) 100ppm active chlorine for 4 hours total cumulative period (4-month filter)	

FILTRATION FLOW-RATE*	FILT' <i>RAY</i> TAP / SHOWER	FILT'RAY SHOWER HEAD
1-month	2.7 lpm at 1 bar 5.1 lpm at 3 bar 7 lpm at 5 bar	6 lpm at 1 bar - 11.2 lpm at 3 bar 13 lpm at 5 bar
2-month	3 lpm at 1 bar 5.5 lpm at 3 bar 7.4 lpm at 5 bar	
3-month	4.6 lpm at 1 bar 7.6 lpm at 3 bar 9.4 lpm at 5 bar	6.2 lpm at 1 bar 11.2 lpm at 3 bar 13.2 lpm at 5 bar
4-month		6.5 lpm at 1 bar 11.8 lpm at 3 bar 14.2 lpm at 5 bar

Notes:

- 1. Filter may clog prematurely if work is undertaken on the water distribution network.
- 2. Filter sterilising grade is defined in the "American Standard Test Method ASTM F838-20 and in FDA Guidance for $Industry - Ster\~ile Drug \ Products \ Produced \ by \ A septic \ Processing - Current \ Good \ Manufacturing \ Practice" \ as a \ retention \ efficiency of 10^7 \ CFU \ per \ cm² \ for \ a \ bacterial \ challenge \ of \ Brevundimonas \ diminuta \ for \ the \ effective \ filtration \ surface.$
- 3. A list of connectors is available on request
- * Wall-mounted fixed shower filter flow rate: contact us for more information.

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COMPONENT RECOVERY POLICY

- Filters are comparable to household waste
- Outer packaging made from recycled and recyclable cardboard. Paper installation guide can be recycled.

AQUATOOLS infection control solutions

