



FAUCETS, WALL SHOWERS  
AND SHOWER HEADS

# FILT'RAY *Compact*



## POINT-OF-USE WATER FILTRATION

ELIMINATE EXPOSURE TO  
LEGIONELLA & WATERBORNE PATHOGENS



**Lifespan up to 3-Month**  
Durability & Sustainability



**Superior performance**  
Very high filtration capacity



**Retro-contamination**  
Carefully controlled



**Rapid connection**  
For immediate protection



**Space saving**  
Suitable for faucets  
with a low drop height



**No chemical products**



## YOUR PARTNER IN WATER MANAGEMENT

HOSPITALS – CLINICS – NURSING HOMES – PUBLIC BUILDINGS



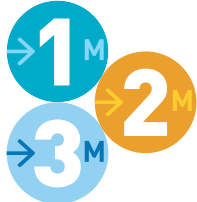
**AQUATOOLS is the expert in water hygiene at the point-of-use in Public Buildings.**

FILT'RAY Compact medical filtration devices for **faucets, wall showers and shower heads.**

These filters are available in **sterile** versions with **1, 2 and 3-month** lifespans. AQUATOOLS is ISO 14001, 9001:2015 and ISO 13485:2016 certified.

## Technological innovation - FILT'RAY Compact filter

FILT'RAY Compact 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 Gram-negative bacilli, non-tuberculus Mycobacteria), fungi (*Aspergillus sp*, *Fusarium sp*), protozoa and particles from the water distribution system.



FILT'RAY Compact 1, 2 and 3-month filters are designed to protect immunocompromized patients and vulnerable people. Point-of-use filters are needed when caring for immunocompromized patients in hospitals in high-risk areas 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 and 3-months, in accordance with the ASTM F838 standard:
  - with ***Brevundimonas diminuta*** at  $10^7$  CFU/cm<sup>2</sup> for the effective filtration area; > log<sub>7</sub> retention. The membrane is considered to be sterilizing grade<sup>2</sup>.
  - with ***Legionella pneumophila*** and ***Pseudomonas aeruginosa*** retention at  $10^7$  CFU/cm<sup>2</sup> for the effective filtration area; > log<sub>7</sub> retention.
- The filtration membrane and finished products are checked continuously, on an individual basis.
- Class II Medical Devices in the US - FDA-510K Clearance.
- Class Is Medical Devices comply with European Regulation EU 2017/745. CE marked: year 2023.
- International potable water certification (ACS - France, KTW - Germany, WRAS - United Kingdom).
- Designed and developed in France.

### FILT'RAY 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 bar: 5 -42°C (at 5 bar); 60°C (at 2 bar) 14.5 - 72.5 psi: 41 - 107.6°F (at 72.5 psi); 140°F (at 29.0 psi)
Thermal shock resistance	70°C for 30 minutes
Chemical shock resistance	100ppm active chlorine for 2 hours total cumulative period (1-month filter) 100ppm active chlorine for 3 hours total cumulative period (2-month filter) 100ppm active chlorine for 4 hours total cumulative period (3-month filter)

FILTRATION FLOW-RATE*	FILT'RAY FAUCET / SHOWER	FILT'RAY SHOWER HEAD
<b>1-month</b>	3 lpm at 1 bar - 0.78 gal/min at 14.5 psi 5.5 lpm at 3 bar - 1.43 gal/min at 43.5 psi 7.4 lpm at 5 bar - 1.92 gal/min at 72.5 psi	6 lpm at 1 bar - 1.56 gal/min at 14.5 psi 11.2 lpm at 3 bar - 2.91 gal/min at 43.5 psi 13 lpm at 5 bar - 3.38 gal/min at 72.5 psi
<b>2-month</b>	4.6 lpm at 1 bar - 1.2 gal/min at 14.5 psi 7.6 lpm at 3 bar - 1.98 gal/min at 43.5 psi 9.4 lpm at 5 bar - 2.44 gal/min at 72.5 psi	6.2 lpm at 1 bar - 1.61 gal/min at 14.5 psi 11.2 lpm at 3 bar - 2.91 gal/min at 43.5 psi 13.2 lpm at 5 bar - 3.43 gal/min at 72.5 psi
<b>3-month</b>		6.5 lpm at 1 bar - 1.69 gal/min at 14.5 psi 11.8 lpm at 3 bar - 3.07 gal/min at 43.5 psi 14.2 lpm at 5 bar - 3.67 gal/min at 72.5 psi

### Notes:

- Filter may clog prematurely if work is undertaken on the water distribution system.
- Filter sterilizing grade is defined in the "American Standard Test Method ASTM F838-20 and in FDA - Guidance for Industry - Sterile Drug Products Produced by Aseptic Processing - Current Good Manufacturing Practice" as a retention efficiency of  $10^7$  CFU per cm<sup>2</sup> for a bacterial challenge of *Brevundimonas diminuta* for the effective filtration surface.
- A list of connectors is available on request.

\* Wall-mounted fixed shower filter flow rate: contact us for more information.



## FILT'RAY Compact

### → SUPERIOR PERFORMANCE

- Tubular membrane microfiltration
- Very high filtration capacity
- Completely effective and reliable with potable water of any quality<sup>1</sup>
- Filter lifespan up to 3 months

### → SPACE SAVING, SUITABLE FOR FAUCETS WITH A LOW DROP HEIGHT

- 1-month: H. 1.7 in - Ø 2.2 in
- 2-month: H. 2.0 in - Ø 2.2 in
- 3-month: H. 2.5 in - Ø 2.2 in

### → RETRO-CONTAMINATION IS CAREFULLY CONTROLLED

- Point-of-use filtration
- Protective skirt
- Tilted connector optimizes position



### → RAPID CONNECTION FOR IMMEDIATE PROTECTION

- Shower head filter: screws onto all standard shower hoses
- Faucet filter: simply connect to the outlet requiring treatment, no tools required<sup>3</sup>

### → COMPONENT RECOVERY POLICY

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

### → NO CHEMICAL PRODUCTS

- No chemicals are added during manufacture



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infection control solutions

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