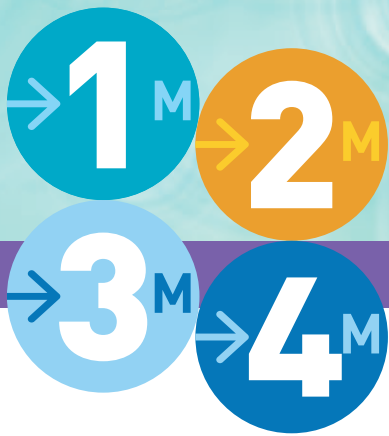


new



FILT'RAY (R)evolution



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
infection control solutions



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

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.

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 Gram-negative 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 10^7 CFU/cm² for the effective filtration area; > log₇ retention. The membrane is deemed to be sterilising grade².
 - with ***Legionella pneumophila*** and ***Pseudomonas aeruginosa*** retention at 10^7 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'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 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'RAY 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 :

- Filter may clog prematurely if work is undertaken on the water distribution network.
- Filter sterilising 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 cm² 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.



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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.

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infection control solutions

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Fax: +33 (0)1 39 75 08 28
Email: contact@aquatoools.com
aquatoools.com



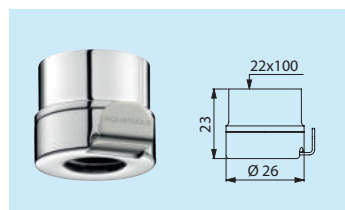
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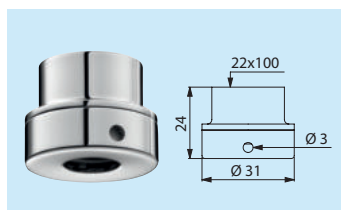
Push-fit connectors for **FILT'RAY** filters

AQUATOOLS
infection control solutions

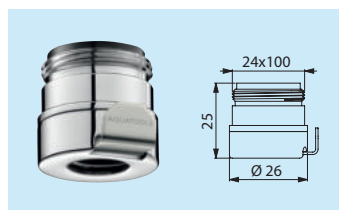
Push-fit connectors for point-of-use tap filters



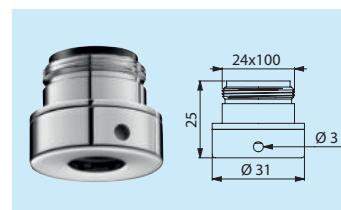
Outlet F22X100 **AT820122**



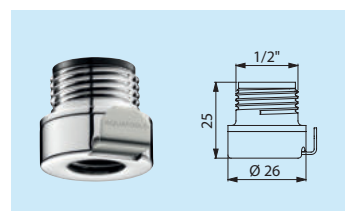
Outlet F22X100
vandal-resistant version **AT821122**



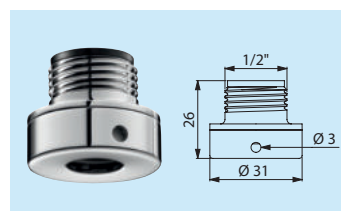
Outlet M24x100 **AT820124**



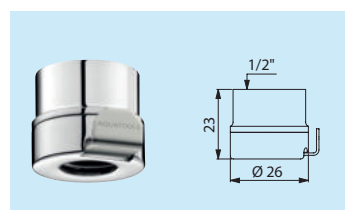
Outlet M24x100
vandal-resistant version **AT821124**



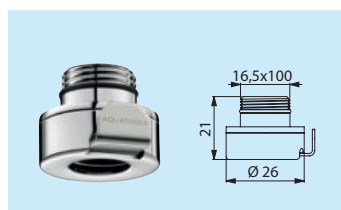
Outlet M1/2" **AT820123**



Outlet M1/2"
vandal-resistant version **AT821123**



Outlet F1/2" **AT820120**

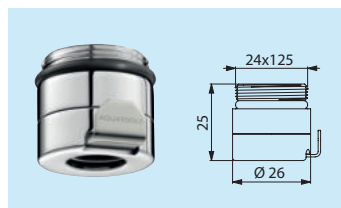


Outlet M16.5x100 **AT820126**



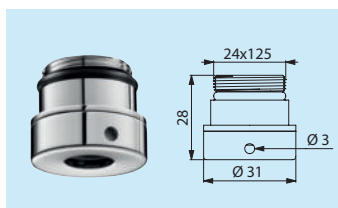


Push-fit connectors for shower panels



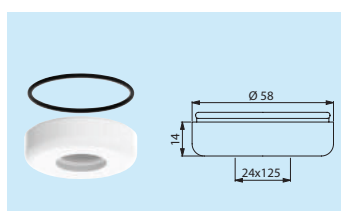
Outlet M24x125 **AT820125**

- For DELABIE shower panels (SPORTING...).
- For PRESTO shower panels (DL400...), use ref. AT030317.



Outlet M24x125
vandal-resistant version **AT821125**

- For DELABIE shower panels (SPORTING...).
- For PRESTO shower panels (DL400...), use ref. AT030317.



Adaptor for PRESTO
shower panels **AT030317**

- For use with connectors ref. AT820125 & AT821125 (see above).



Push-fit connectors for **FILT'RAY** filtration devices

For easy installation of filters on taps and showers

Vandal-resistant version:
tamperproof connector prevents any vandalism
or unauthorised removal of the point-of-use filter.



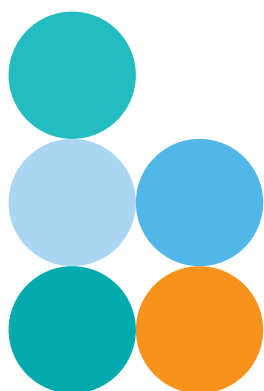
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Fax: +33 (0)1 39 75 08 28
Email: contact@aqua-tools.com
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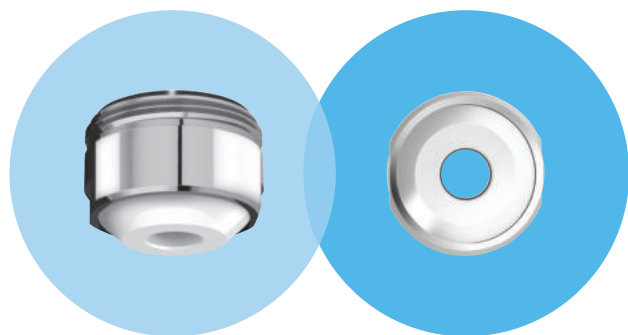
AQUATOOLS
infection control solutions



Essentials
for water hygiene
at the point-of-use



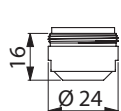
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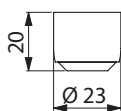
HYGIENE⁺outlet

- Free flow outlet with no grid or partitions in contact with the water
- Water cannot stagnate in the internal part
- Made from Hostaform® (scale-resistant material)
- Chrome-plated brass collar

This HYGIENE⁺ outlet can only be installed on a basin mixer or tap with a restricted flow rate (5 lpm max.) to ensure a good flow with no splashing.

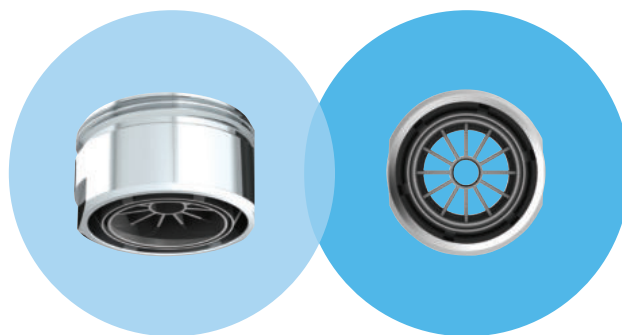


AT923024



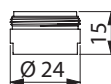
AT923022

HYGIENE ⁺ outlet	
M24/100 (each)	AT923024
M24/100 (50 per pack)	AT923024.50P
F22/100 (each)	AT923022
F22/100 (50 per pack)	AT923022.50P

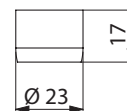


Hygienic flow straightener

- Star-shaped with no grid: reduces bacterial development
- Chrome-plated brass collar



AT921024.2P



AT921022.2P

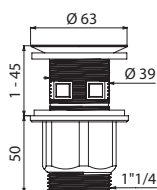
Hygienic flow-straightener	
M24/100 (2 per pack)	AT921024.2P
M24/100 (50 per pack)	AT921024.50P
F22/100 (2 per pack)	AT921022.2P
F22/100 (50 per pack)	AT921022.50P



HYGIENE⁺waste

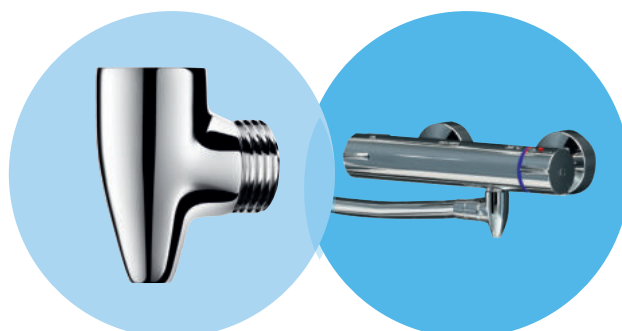
With concave chrome-plated brass grid

- Hygienic washbasin waste M1¼"
- Concave grid (no water retention)
- Free flow, with no central screw (avoids scale deposits and reduces bacterial development)
- Polished chrome-plated brass grid, chrome-plated ABS body
- Can be tightened to a min. 1mm or max. 45mm, pre-scored waste (snap-off sections can be removed for models with overflow)
- Complies with European standard EN 274-1
- 10-year warranty



AT611

HYGIENE ⁺ waste	AT611
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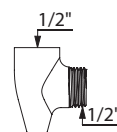


Auto-draining device

For shower and shower/bath mixers

- Automatically drains the shower head and flexible shower hose
- Prevents water stagnation and reduces bacterial proliferation
- Chrome-plated solid brass body with downstream purge
- Inlet F½" with filter to connect (to the bottom outlet of the mixer)
- Outlet M½" (to connect to the flexible hose)
- 10-year warranty

We recommend using a short flexible hose with the auto-draining device (see opposite).



AT880

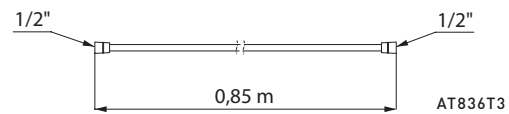
Auto-draining device	AT880
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SILVER flexible shower hose

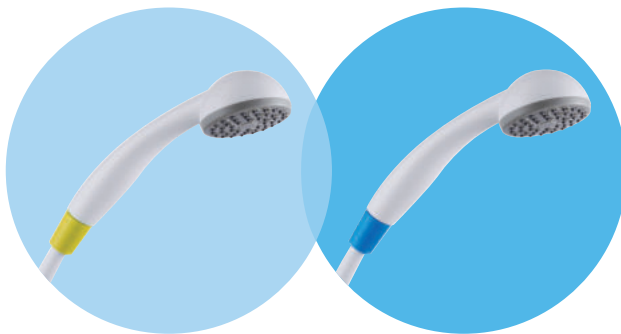
FF 1/2" flexible hose in smooth PVC, L. 0.85m

- Smooth, metal-effect, reinforced food grade PVC
- Will withstand strain (50kg), bending and twisting



SILVER flexible hose, L. 0.85m

AT836T3

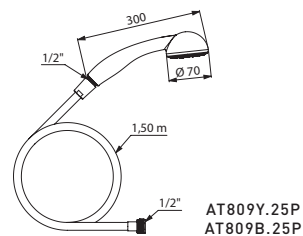


Disposable shower kits

With coloured conical unions, monojet shower head

Disposable shower kit includes:

- 25 white PVC flexible hoses L. 1.50m with coloured ABS conical unions: blue or yellow
- 25 white monojet shower heads, Ø 70mm: rain effect.



Disposable shower kits, monojet

Yellow kit (25 per pack)	AT809Y.25P
Blue kit (25 per pack)	AT809B.25P



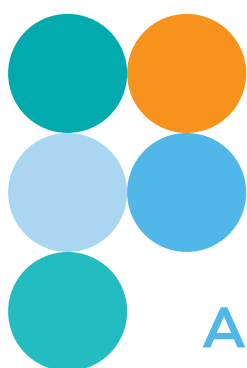
Specifically for healthcare facilities

Disposable shower kit: can be regularly replaced

Shower hose with smooth exterior/interior: easy to maintain and reduces bacterial development

Coloured conical unions: clear visual indication to ensure correct shower kit replacement





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