



INFECTION CONTROL



Water delivered at point-of-use (POU) throughout the hospital should be safe for cleaning, washing and drinking as outlined in L8 and HTM 04-01. Bacteria, such as *Legionella* and *Pseudomonas*, can cause a serious threat to patient's health and if not properly controlled, can cause potentially lethal infections and diseases.

- POU bacteria removal ensures patient and staff safety
- Simple, fast installation and maintenance
- Chemical resistant
- Best available POU systems for flow, effectiveness, longevity and ease of use

INFECTION CONTROL: STERILISED

LEGIONELLA & BACTERIA

The Challenges

- Unauthorised removal of filters by patients and staff causing exposure to *Legionella*
- Protection of patients and staff from waterborne pathogens such as *Legionella*
- Sterile protection for high risk areas, such as haematology, oncology, burn units, intensive care units and neonatal
- Growth and transfer of bacteria, such as *Pseudomonas*, on filter surface from handling
- Air-locking of shower filters
- Reduced effect of disinfectant on bacteria at POU
- Compliance with L8 and HTM 04-01
- Requirements for extended service life to aid maintenance schedules with no compromise on validation

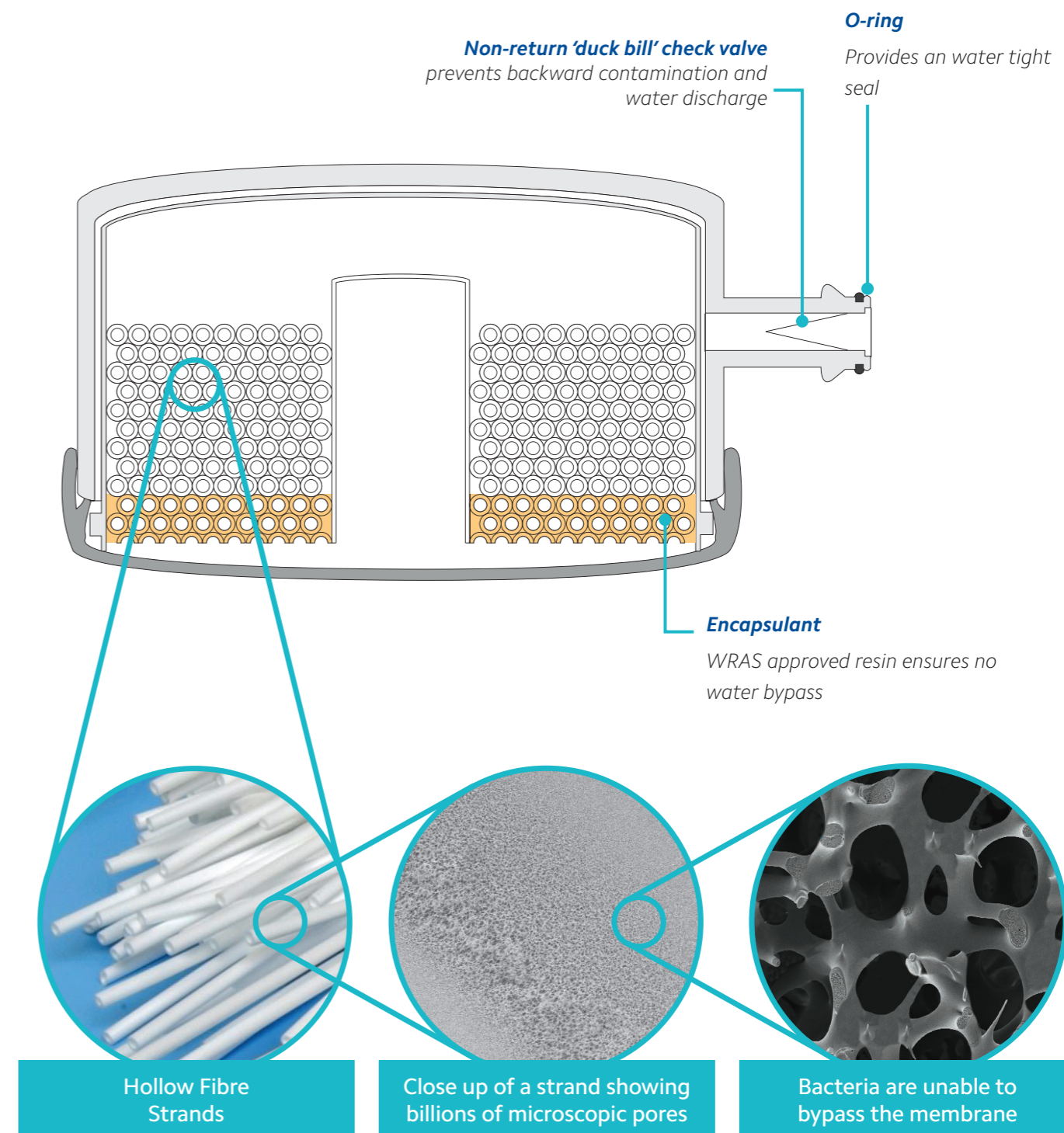
The Solution

- Pentair shower and tap filters protect from risk of waterborne infection; 92 days *Legionella*, 6 months *Pseudomonas*
- Reliable and easy protection at the last possible moment before patient and staff contact
- Pentair's unique design utilises a special key to facilitate the removal of the tap or shower cap (head) when replacement is required, ensuring only authorised personnel can carry out this procedure
- 0.2 micron absolute rated hollow fibre filtration technology retains bacteria, fungi and particulate
- The range is sterile packed using gamma radiation
- The filters suppress bacteria growth on the surface of the filter due to a bacteriostatic active ingredient Biomaster, added to the filter housing material
- Up to 50% less waste when compared with other solutions on the market



A Closer Look

The cartridges in the Pentair tap and shower ranges contain hollow fibre microfiltration with billions of microscopic pores. The pores form an ultra-fine filter, which retains any bacteria or fungi present in the water resulting in clean and safe water for patients and staff.



Technology Comparison Table

Feature	Pentair	Other Leading Manufacturers
Extended service life of 92 days for <i>Legionella</i> control	✓	✗
Log 6 <i>Pseudomonas</i> retention for 6 months	✓	✗
0.2 absolute micron rating	✓	✓
>log 7 reduction of bacteria	✓	✓
>log 4 reduction of fungi	✓	✓
CE Medical Class I (s) marked	✓	✓
Tracking and tracing label	✓	✓
Sterile Classification	✓	✓
Special key prevents unwanted removal and change outs	✓	✗
No air locking shower	✓	✗
Extensive surface area	✓	✗
Less waste, more environmentally friendly	✓	✗
High contaminant holding	✓	✗
Ergonomical design	✓	✗
Independently tested	✓	✓
Gamma radiated packaging	✓	✓



Pentair Shower & Tap Range

For further technical information, product validation and test results on the Pentair shower & tap range click here

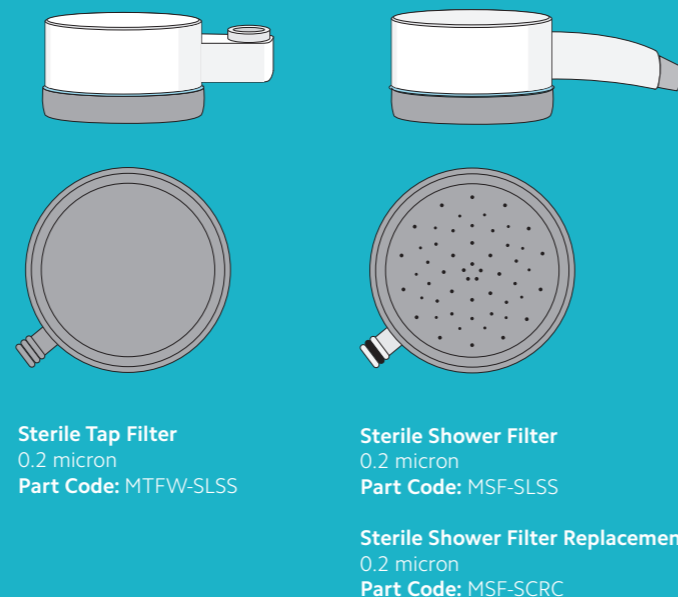
Tap Adaptors

Using the best filter in the world would offer only limited success if any water bypassed the tap-to-filter adaptor. This connection is critical for healthcare taps, as a sub-standard adaptor will enable water bypass, encouraging bacteria growth in the area. Filerder overcame this common issue by designing adaptors specifically to seal the filter to the wide variety of tap manufacturers' products and created a Medical Tap Filter system. The adaptor replaces the diffuser (supplied with each tap) and is made from durable 316L stainless steel, which can be autoclaved for sterility and re-used after the O-rings are replaced.



Fileder Recommends

- Pentair medical water filters have been extensively tested in accordance with all the relevant microbiological test protocols both in independent laboratories as well as clinically in hospitals providing >log 7 reduction of bacteria and >log 4 reduction of fungi
- Validated service life of 92 days, in the majority of cases this is much longer than the market standard. This is due to the extensive area of filtration media, giving higher contaminant holding capacity leading to a longer product life, lower pressure drops, higher flow rates and better flow patterns
- No air-locking issues with shower filters when used at a lower level
- Fittings available to suit most tap brands
- Flow rate with restrictor of 6 lpm



Baths and Anti Ligature Showers

Sometimes it is not appropriate to use Pentair medical filters at the point-of-use and, in these circumstances, other options are available. Fileder recommends a 10" housing with a 0.2 micron absolute pleated cartridge with secure fittings.

