



Uniclass L725111	EPIC G611
C/S/B (74.26)	X

**Challis MicroFilter Shower Head In Line Micro Filtration for Anti Bacterial Protection 24 hours a Day**

**Product characteristics**

- Hollow fiber membranes with micro-porous structure made of Polysulfone
- Dead-end Outside/In Filtration
- Extended membrane area for a high flow (good comfort of use) and a long life time **(Over 2x as much as comparable filters currently available)**
- High thermal resistance of the vessel material
- Connection for standard shower hose
- Shower includes integrated Check Valve (stops retro contamination)

**Data**

- Pore diameter 0.1µ
- Rejection > 99.99% for all bacteria
- Max pressure 5 bar (70 psi)
- Max Temperature 60°C
- Life Time 10,000 liters minimum for 2,800 cm<sup>2</sup> (2.8 ft<sup>2</sup>) effective membrane area **(Over 2x as much as comparable filters currently available)** (for standard E.U Average Drinking Water Quality) Instantaneous Protection

**Applications**

For bacteriologic protection on shower water :

- Emergency Use
- Home,
- Healthcare centers (hospital, nursing, dentist),
- Hostels,
- Fitness centers (swimming pool, spa),
- Recreational centers,
- Camping Centers, Cruise ships and Ferries ...

A water contamination with pathogens, even light, can constitute a real sanitary danger, one famous example being Legionella. The most efficient solution is a filtration at the point of use. Challis MicroFilter Shower is a microfiltration membrane cartridge which retains high bacterial charges and thus avoids contamination and its consequences. It secures the water at the point of use and particularly the showers in high dependency areas where the risk is high.

**Bacteria free water shower legionella prevention**

The Challis MicroFilter Shower is composed of microfiltration hollow fiber membranes inserted in the shower handset. The membrane pore size of 0.1 micron, that is to say smaller than the smallest micro-organism, allows to obtain the optimal filtration and an increased protection. Legionella bacteria (0.5 - 0.7 micron in size) occurring naturally in surface water, frequently found in shower plumbing and responsible of Legionellosis diseases are rejected. The Challis MicroFilter Shower microfilter membrane is manufactured to the highest of standards. These membranes are NSF61 and ACS (French Health Ministry) approved.

**High flow and Long Working Life**

Challis MicroFilter Shower offers the best technological compromise in a shower handset which looks and feels like any familiar handheld one. The water passes from the outside to inside of the hollow fiber membrane (small porous plastic tubes less than one millimeter in diameter) barrier while the suspended matters and bacteria are captured on the membrane surface. The hollow fiber membrane material (Polysulfone) and the outside/ in filtration water circulation offer a high chemical and mechanical durability, an extended filtration membrane area for high flow allowing a good comfort of use and high membrane surface for a long life time, significantly out performing many of the filters currently available.

**Easy installation, instantaneous protection**

The Challis MicroFilter Shower handset including membrane features universal fitting to simply screw it to any ordinary shower flexible pipe. The complete handset including the filter cartridge is replaceable. The bacteriological protection starts immediately after installation. Produced flow will decrease but bacteriologic protection is always kept. The Challis MicroFilter is the only shower filter that comes complete with integrated check valve. This means that bacteria caught in the filter cannot flow back into the hose and supply pipe work causing retro contamination. The Challis MicroFilter is the only filter shower currently available on the market that has this feature or capability

# Challis MicroFilter Shower Head



**CHALLIS**  
ANTIBACTERIAL



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