

# MEDICAL WATER FILTERS

## STERILE CLASS SERIES SC70

DATA SHEET



### GENERAL INFORMATION

Patient and staff safety in hospitals is of vital importance. Especially in high-risk areas such as critical wards, intensive care units and operating theaters. One of the main concerns is the risk of bacterial infections which can be caused by microbiologically contaminated shower and tap water.

Waterborne pathogens can accumulate in biofilm located within the plumbing system, even if a hospital disinfects water at the point-of-entry. The pathogens can then be transmitted to patients when the water is used for their care. Pentair, a specialist in water purification solutions, offers a complete range of point-of-use membrane filters for shower heads and taps/faucets. These are specifically designed for use in healthcare facilities. The plastic parts of the filters contain a proprietary antimicrobial additive to reduce cross- and retrograde contamination.

### BENEFITS

- Protects from waterborne bacteria like legionella and pseudomonas
- CE Medical Class Is marked device
- For high-risk areas such as critical wards, intensive care units and operating theaters
- For permanent infection control

### APPLICATIONS

Pentair Medical Filters Sterile-Class version offers protection in high-risk (sterile) areas where there is risk of waterborne infection. It provides reliable and easy protection at the last possible moment before patient and staff contact.

### MATERIALS AND OPERATING SPECIFICATIONS

#### Filter Media

Capillary microfiltration membranes

#### Micron Rating

0,2 µm

#### Plastic Spraycap

Proprietary antimicrobial additive to reduce cross- and retrograde contamination

#### Max. operating pressure

5 bar (72,5 psi)

#### Operating temperature

Continually 0 - 60 °C @ 5 bar inlet pressure  
70 °C for 60 min. cumulative over the lifetime of the filter cartridge (compliant with thermal disinfection procedures)

#### Chlorine exposure

1.200 ppm for 10 hours cumulative over the lifetime of the filter cartridge

#### Storage & Handling







- Validated shelf life: 2 years
- Keep dry during storage; protect against freezing after first use
- Handle with care; do not expose to shocks
- Disposable product; discard as regular waste

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### FILTER CARTRIDGE SPECIFICATIONS & PERFORMANCE DATA

MODEL NUMBER	MSF-SCSS	MSF-SCRC	MTFW-SCSS	MTFW-SCRC	MTFD-SCSS	MTFD-SCRC
						
MODEL NAME	Medical Shower Filter Startset	Medical Shower Filter Replacement Cartridge	Medical Tap Filter Washing Standard Startset	Medical Tap Filter Washing Replacement Cartridge	Medical Tap Filter Drinking Standard Startset	Medical Tap Filter Drinking Replacement Cartridge
MAX. DIMENSIONS	136 x 63 mm	88 x 63 mm	136 x 63 mm	88 x 63 mm	136 x 63 mm	88 x 81 mm
WEIGHT	240 g	150 g	240 g	150 g	240 g	150 g
CONNECTION	1/2 inch BSP/NPT	proprietary quick release	22 mm inner thread <sup>[1]</sup>	proprietary quick release	22 mm inner thread <sup>[1]</sup>	proprietary quick release
INITIAL FLOWRATE @ 2 BAR	9 l/min [2.4 Gpm] <sup>[2]</sup>	9 l/min [2.4 Gpm] <sup>[2]</sup>	4 l/min [1 Gpm] <sup>[3]</sup>	4 l/min [1 Gpm] <sup>[3]</sup>	4 l/min [1 Gpm] <sup>[3]</sup>	4 l/min [1 Gpm] <sup>[3]</sup>
VALIDATED LIFETIME	70 days (10 weeks)					
BIOLOGICAL RETENTION <sup>[4]</sup>	Bacteria > log 7 / Fungi > log 4					

<sup>[1]</sup> adapter to 24 mm, 1/2" outer & inner thread available

<sup>[2]</sup> flow restrictor recommended

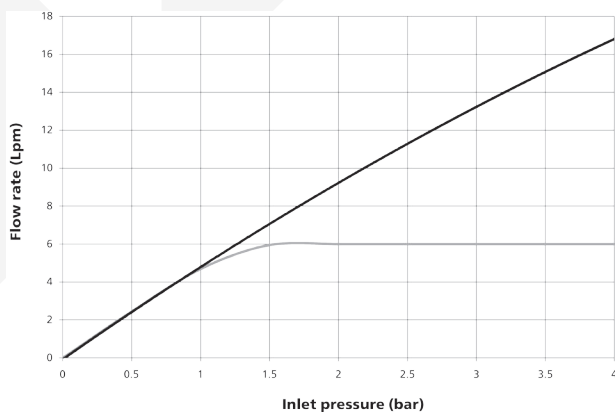
<sup>[3]</sup> flow restrictor obliged

<sup>[4]</sup> Refer to the validation guide for information

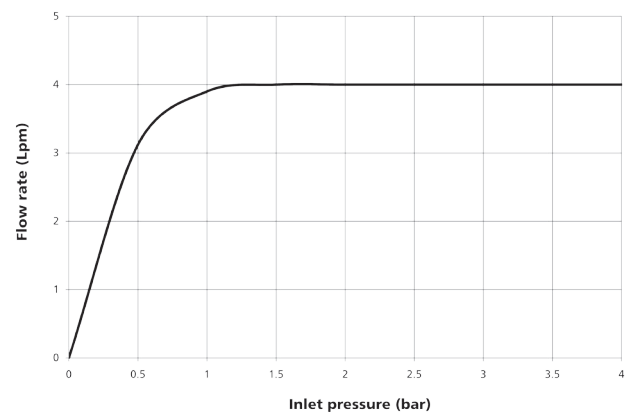
**Product Certification:** The Medical Water Filters Sterile Class comply to the requirements of the Medical Device Directive 93/42/EEC, Annex VII and are registered a Class Is, rule I products.

**CE**  
**0344**

#### SHOWERFILTER



#### TAPFILTER



X-FLOW BY

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