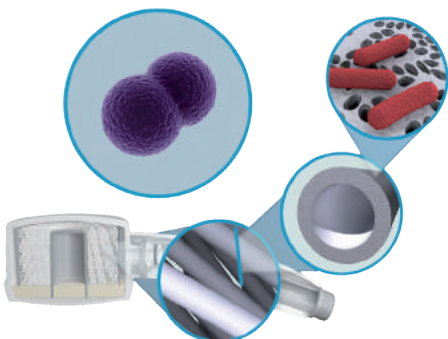


# MEDICAL WATER FILTERS

## STANDARD SERIES ST70

DATA SHEET



### GENERAL INFORMATION

Patient and staff safety in hospitals is of vital importance. Not only in high-risk areas such as critical wards, intensive care units and operating theaters, but also in the medium-risk areas like kitchens, changing and patient rooms. 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.

### BENEFITS

- Protects from waterborne bacteria like legionella
- CE Medical Class I marked device
- For medium risk areas like kitchens, changing and patient rooms
- Relief in outbreak situations or permanent infection control

### APPLICATIONS

Pentair Medical Filters standard version offers protection in medium-risk (non-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

#### 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-STSS70	MSF-STRC70	MTFW-STSS70	MTFW-STRC70	MTFD-STSS70	MTFD-STRC70
						
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

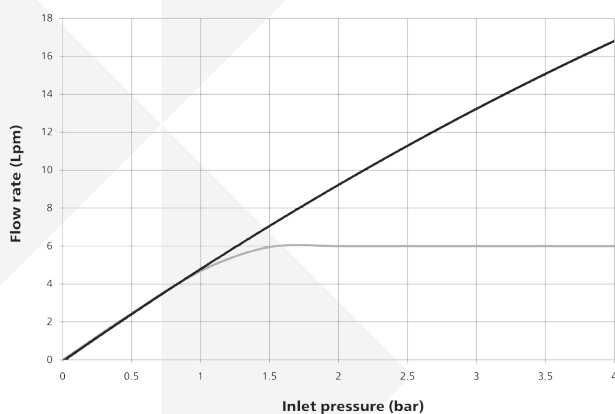
<sup>[3]</sup> flow restrictor obliged

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

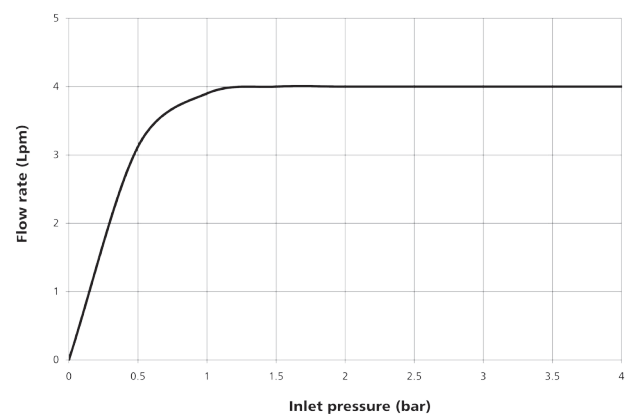
**Product Certification:** The Medical Water Filters Sterile Class comply to the requirements of the Medical Device Directive 93/42/EEC, Annex VII and are registered a Class I, rule I products.



#### SHOWERFILTER



#### TAPFILTER



X-FLOW BY

P.O. BOX 739, 7500 AS ENSCHEDE, NETHERLANDS WWW.X-FLOW.COM

Note: The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guideline for the selection and use of our products. Since the conditions under which our products may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our products. The quality of our products is guaranteed under our conditions of sale. Existing industrial property rights must be observed.  
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