

# Medical filters

## Sterile Standard



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One of the main concerns in hospitals 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. 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 and furthermore facilities as residential buildings, social rooms in industrial and administration facilities, kindergarten and sports facilities.

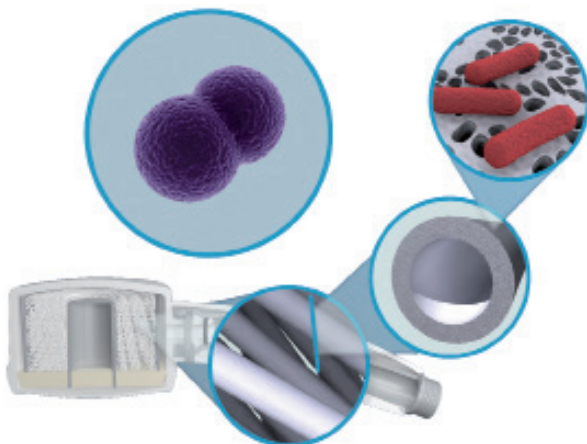
LEGIO, a specialist in water purification solutions, offers a complete range of point-of-use membrane filters for shower heads and taps/faucets. These are specifically designed for use in healthcare facilities, but can be also used in all other applications.

## Applications

The 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.

## Benefits

- Protects from waterborne bacteria like legionella and pseudomonas
- CE Medical Class I marked device
- For sensitive areas in hospitals, but also in medium risk areas like kitchens, changing and patient rooms
- For residential buildings, care services, schools, sports facilities, hotels, administration and industrial facilities
- Relief in outbreak situations or permanent infection control
- Long time of use up to 70 days with patented outside-in technology and as result lower costs for purchase and staff









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### Filter cartridge specifications & Performance data

Model	31.2.104	31.2.154	31.2.204	31.2.254	31.2.304	31.2.354
						
Type	Medical ShowerFilter Startset	Medical ShowerFilter Replacement Cartridge	Medical TapFilter Washing Standard Startset	Medical TapFilter Washing Replacement Cartridge	Medical TapFilter Drinking Standard Startset	Medical TapFilter 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 (approx.)	240 gr.	150 gr.	240 gr.	150 gr.	240 gr.	150 gr.
Connections	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 at 2 bar	up to 12 l/min*	up to 12 l/min*	4 l/min <sup>(2)</sup> - 12 l/min**	4 l/min <sup>(2)</sup> - 12 l/min**	4 l/min <sup>(2)</sup> - 12 l/min**	4 l/min <sup>(2)</sup> - 12 l/min**
Validated Lifetime	70 days (10 weeks)					
Biological Retention <sup>(3)</sup>	Bacteria > log 7 Fungi > log 4					

<sup>(1)</sup> Adapter for 24 mm, 1/2 inch (external & internal thread) available    <sup>(2)</sup> Flow restrictor 6 or 8l possible, without flow restrictor the LEGIO.safety bracket is necessary.

<sup>(3)</sup> For more information, see the validation report.

### Materials an technical data of the cartridge

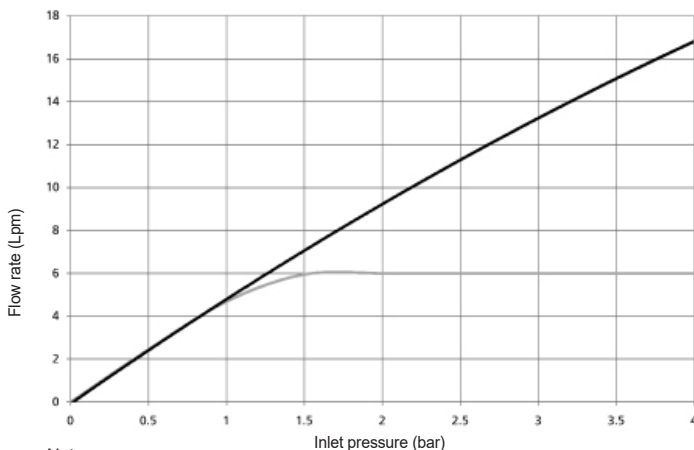
Filter Media	capillary microfiltration membranes
Micron Rating	0,2 µ
Max. Operating Pressure	5 bar
Operating Temperature	0-60 °C; 70°C for 30 minutes at 2 bar while using
Chlorine Exposure	1,200 ppm for total of 10 hours during time of use
Flow Rate	3,000 l during time of use
Storage & Handling	<ul style="list-style-type: none"> <li>Keep dry during storage; protect against freezing</li> <li>Handle with care; do not expose to shocks. Validated shell life 2 years</li> <li>Disinfection of the surface on the basis of alcohol and peroxide</li> <li>Disposable product, discard as regular waste</li> </ul>
Replacement of cartridges	Information regarding replacement of the cartridges must be noticed
Incl. in shipment	Replacement calendar for cartridges and waterproof replacement stickers are included
Recommendation	Remove LEGIO medical filter for thermal disinfection

### Certification

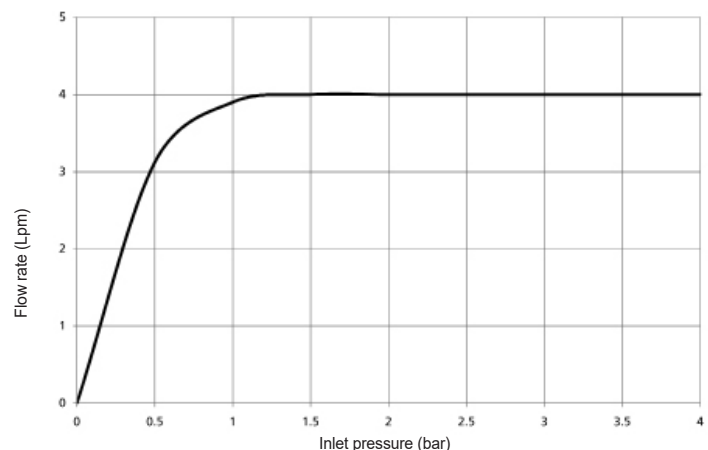
The LEGIO medical filters corresponds with the demands of the Medical Devices Act 93/42/EEC, attachment VII and is registered as a class 1, norm 1-Product



#### \*Shower filter



#### \*\*Tap filter



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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