



LEGIO.ball tap filter antibacterial

The LEGIO.ball is the ideal solution for microbiologically contaminated shower and tap water, or wherever comprehensive protection is required.

Fields of application:

- High-risk areas in hospitals with patients who have weakened immune systems, as well as for high safety areas (a sterile packaged version is in development)
- Public buildings such as kindergarten/pre-schools, care homes for the elderly and juvenile detention centres
- Residential construction / private use



LEGIO.ball Startset with antibacterial jet-regulator



LEGIO.ball Cartridge set with antibacterial jet-regulator

LEGIO.ball inline filter

The LEGIO.ball inline filter is the ideal solution for microbiologically contaminated shower and tap water, or where comprehensive protection is required.

Fields of applications:

- Upstream of medical devices such as endoscopy or dialysis units
- On laboratory taps
- For central wound treatment
- On drinking water or coffee dispensers
- Under the tap for hot and cold water
- Before flow heaters



LEGIO.ball inline filter



LEGIO.ball shower filter

The LEGIO.ball shower filter is the ideal solution for legionella outbreaks or where comprehensive protection is required. The LEGIO.ball shower filter is the robust and flexible solution with a specially adapted spray base for a perfect spray pattern.

Fields of applications:

- Buildings with commercial uses such as sports centres and hotels
- Public buildings such as schools, sports halls, swimming pools and *
- Sanitary facilities in industry and administration
- Recreation and leisure centres, such as holiday parks, boats and caravans
- Travel and holiday homes
- Residential construction / private use

* Accessory: anti-vandalism housing



LEGIO.ball inline for Rainshower systems



LEGIO.ball shower filter

Benefits of the LEGIO.ball filter

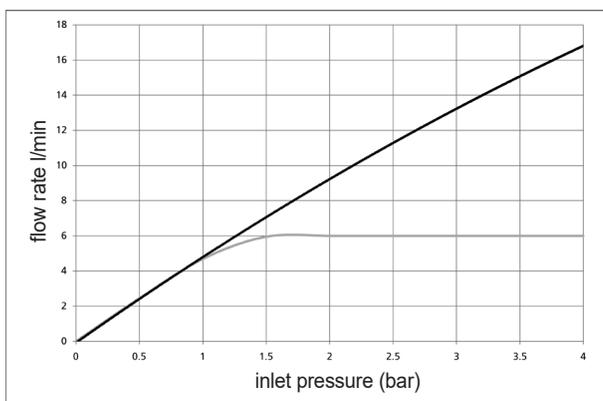
- Proven effectiveness against the entry of legionella and other bacteria as well as other micro-organisms
- Certified by German and European institutes
- Long service life of up to **70 days' usage** (depending on the quality of the incoming water)
- High flow rates, even with low water pressure
- Simple installation
- Fast filter replacement, without tools
- Versions in medical white and other colours
- **Versatile connection adapter and brackets for all applications**
- Housing "Made in Germany", filter module "Made in Holland"
- Universal insert
- **Antibacterial spout with high efficiency with the LEGIO.ball tap filter**
- KTW approval and DVGW W270
- Robust, double-walled housing
- Resistant to all normal hospital disinfectants

Materials and technical data for the membrane cartridge

Filter material	Mix of polyethersulphone and polyvinylpyrrolidone
Pore size	0,2 µm
Max. operating pressure	5 bar
Operating temperature	0 – 60 °C ; 70 °C for 30 min at 2 bar during service life
Chlorine absorption	1.200 ppm, in total 10 hours during service life
Flow throughput	3.000 l during service life
Storage & handling	<ul style="list-style-type: none"> • store in a dry place, protect against frost after first use • handle with care; do not expose to severe shocks or vibration • disinfect the surface using alcohol and peroxides • can be disposed of with general waste after use
Cartridge replacement	Please note separate information regarding cartridge replacement
Contents	Inc. cartridge replacement calendar and waterproof replacement sticker
Recommendation	remove LEGIO.ball during thermal disinfection

Volume flow at 2 bar	up to 12 l/min ⁽¹⁾	up to 12 l/min ⁽¹⁾
Confirmed service life	70 days (10 weeks)	70 days (10 weeks)
Retention of bacteria and fungi ⁽²⁾	Bacteria > LOG 7 Fungi > LOG 4	Bacteria > LOG 7 Fungi > LOG 4

⁽¹⁾ Flow limiter 6 and 8 l possible ⁽²⁾ Further information can be found in the validation report.



The membrane unit was tested by the independent Dutch test laboratory Vitens and the HYTECON laboratory in Bönen for legionella retention (as well as other bacteria). The results demonstrate that the LEGIO.ball meets all applicable water industry standards. This is also confirmed in an expert assessment by Prof. Dr. Martin Exner, Institute for Hygiene and Public Health, Bonn. An overview of the test results and the technical specifications for the membrane unit can be found in the validation report.

All LEGIO components and products are subject to strict quality controls. Every product is tested for its function and effectiveness.

The plastic materials of the casing and the membrane unit comply with the KTW-guidelines.

The brass adapters comply with the latest guidelines from the German Copper Institute with respect to the absence of lead.

Product certification

The LEGIO.ball meets the requirements of the Medical Devices Directive 93/42/EEC, Annex VII and is registered as a class I, standard I product. Furthermore the LEGIO.ball is certified according to the KTW guidelines of the Federal Environment Agency as well as DVGW Arbeitsblatt W 270.



Disclaimer:

The information and data provided in this document are based on our general experience and are considered to be correct. They are provided to the best of our knowledge and are intended to serve as guidance for the selection and application of our products. Since the conditions in which our products are used are outside of our control, this information does not constitute a warranty for the final performance of the product, and we accept no liability for the use of our products. The quality of our products is guaranteed in accordance with our terms of sale. Existing (commercial, intellectual or other) property rights must be respected.