



LEGIO.ball tap filter antibacterial

The LEGIO.ball is the ideal solution for the tap application in case of microbiologically contaminated tap water or where extensive protection is required.

Fields of Application:

- Risk areas in hospitals with immune-weak patients, also high-level security areas (a sterile-packaged version is in preparation)
- Public buildings such as kindergarten / nursery schools, elderly homes or correctional facilities
- Residential / private use



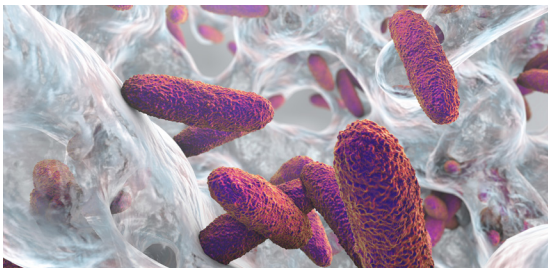
LEGIO.ball Startset
with antibact. jet-regulator



LEGIO.ball Cartridge set
with antibact. jet-regulator

Advantages of LEGIO.ball tap filter

- Proven efficacy in the retention of legionella and other bacteria as well as other microorganism
- Certificates of German and European institutions
- Long time of use up to **70 days** (depending on the quality of the supply water and frequency of use)
- **Antibacterial spout with high efficiency**
- High flow rates, even at low water pressure
- Easy installation
- Quick filter exchange without any tool
- **Versatile connection adapters and holders for all purposes**
- Housing "Made in Germany", filter module "Made in Holland"
- KTW approval and DVGW W270
- Robust, double-walled housing
- Resistant to all common disinfectants in hospitals





Intensive Care for Clinical Water

LEGIO.ball antibacterial

Medical filter

Filter cartridge specifications & Performance data

Model	41.2.801	32.1.900
		
Type	LEGIO.ball tap filter Startset incl. membrane cartridge	LEGIO.ball Cartridge Set incl. lower shell
Max. Dimensions	Ø 110 x 87 mm	Ø 110 x 80 mm
Weight (approx.)	390 gr.	220 gr.
Connections	in M22 female out M24 female	
Initial Flowrate at 2 bar	up to 12 l/min ⁽¹⁾	up to 12 l/min ⁽¹⁾
Validated Lifetime	70 days (10 weeks)	70 days (10 weeks)
Biological Retention ⁽²⁾	Bacteria >LOG 7 Fungi >LOG 4	Bacteria >LOG 7 Fungi >LOG 4

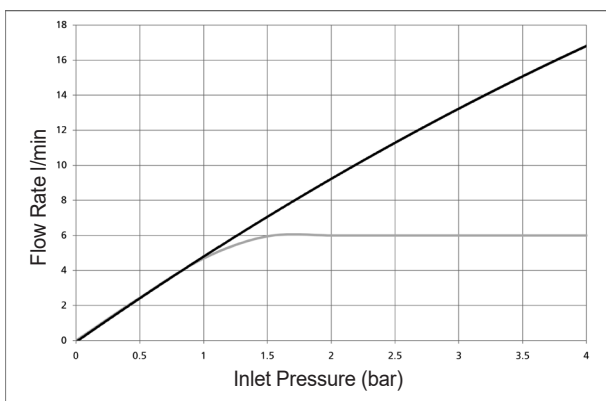
Materials and technical data of the cartridge

Filter Material	Mixture between polyether sulfone and polyvinylpyrrolidon
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"> • Keep dry during storage; protect against freezing • Handle with care; do not expose to shocks • Disinfection of the surface on the basis of alcohol and peroxide • Disposable product, discard as regular waste
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.ball for thermal disinfection

⁽¹⁾ flow restrictor inside. complies as a class A water efficient shower ⁽²⁾ For more information, see the validation report

Certification

The LEGIO.ball meets the requirements of Medical Devices Act 93/42 / EEC, Annex VII and is registered as Class I, Norm I product. Furthermore the LEGIO.ball is certified according to the **KTW guideline of the German Federal Environmental Agency** as well as to the **DVGW worksheet W 270**.



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

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

The plastic materials of the housing and the membrane unit are conform to the KTW guidelines.

The brass adapters comply with the most up-to-date guidelines of the German copper institute with respect to the bleachability.

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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