

# LEGIO.ball shower filter



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The LEGIO.ball shower filter is the ideal solution for legionella outbreaks or in cases where extensive protection is required. The LEGIO.ball shower filter is the robust and versatile solution with a special adapted shower base for a perfect spray pattern.

### Fields of Application:

- Commercial buildings such as sports facilities and hotels
- Public facilities such as kindergarten/nursery schools and elderly homes or prisons\*
- Sanitary areas in industry and administration
- Recreational and leisure facilities such as holiday resorts, boats and caravans
- Travel and holiday homes
- Residential / private use

\* Accessories: Vandal-proof housing



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## Advantages of LEGIO.ball shower filters

- 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)
- High flow rates, even at low water pressure
- Easy installation
- Quick filter exchange without any tool
- Available in medic white and other colors
- **Versatile connection adapters and holders for all purposes**
- Housing "Made in Germany", filter module "Made in Holland"



LEGIO Membrane replaceable cartridge




Infection control

shower filter

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## Medical filter

### Filter cartridge specifications & Performance data

Model	41.2.702	41.2.701	41.2.700	32.1.500 ICF
				
Type	LEGIO.ball shower filter Complete set B3  Starter set with adapter M22 AG x 1/2 "IG, LEGIO.icf cartridge and shower bow	LEGIO.ball shower filter Start set B2  Starter set with adapter M22 AG x 1/2 "IG and LEGIO.icf cartridge	LEGIO.ball shower filter Basic set B1  Starter set with LEGIO.icf cartridge	LEGIO.icf cartridge
Max. Dimensions	Ø 110 x 87 mm	Ø 110 x 87 mm	Ø 110 x 87 mm	Ø 80 x 55 mm
Weight (approx.)	370 gr.	370 gr.	370 gr.	110 gr.
Connections	in M22 female out M24 female	in M22 female out M24 female	in M22 female out M24 female	
Initial Flowrate at 2 bar	up to 12 l/min	up to 12 l/min	up to 12 l/min	up to 12 l/min
Validated Lifetime	70 days (10 weeks)	70 days (10 weeks)	70 days (10 weeks)	70 days (10 weeks)
Biological Retention <sup>(1)</sup>	Bacteria > LOG 7 Fungi > LOG 4	Bacteria > LOG 7 Fungi > LOG 4	Bacteria > LOG 7 Fungi > LOG 4	Bacteria > LOG 7 Fungi > LOG 4

<sup>(1)</sup> For more information, see the validation report

### Materials and technical data of the cartridge

Filter Material	Mixture between polyether sulfone and polyvinylpyrrolidone
Micron Rating	0,2 µm
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</li> <li>• Disinfection of the surface on the basis of alcohol and peroxide</li> </ul>
Replacement of cartridges	<ul style="list-style-type: none"> <li>• Disposable product, discard as regular waste</li> </ul>
inkl. in shipment	Information regarding replacement of the cartridges must be noticed Replacement calendar for cartridges and waterproof replacement stickers are included
Recommendation	Remove Legio.ball for thermal disinfection

### 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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