

Economical, application-optimised and safe. The reliable small systems from LEGIO.

You have your own water rights – use them in a simple way, but with the greatest possible safety. Regardless of whether you have a well, a source close by or access to surface water. LEGIO.filters with ultrafiltration are able to remove bacteria and viruses from the water. Only filtration is able to remove bacteria instead of killing them, as is the case with UV radiation and chemical treatment. Just like the natural processes in the ground – but using the latest, robust membrane technology. For example, coliform bacteria are removed with a LOG > 9, regardless of

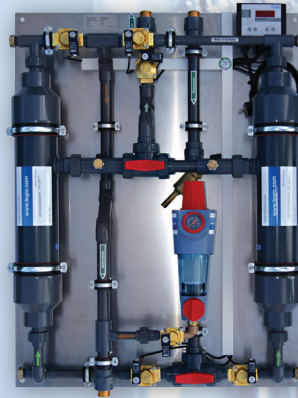
the degree of water contamination. This means a bacterial reduction of 99.9999999%. A fantastic value which remains impossible for conventional processes, and is achieved in a natural way – without chemicals in the discharged water. The maintenance is simple and can be carried out by anyone – specialists are not required. This ultrafiltration can also be used as protection against sediments and bacteria in buildings.

Drinking water systems

Series LFFS-drinking water
e.g. Type LFFS-4-6-1



Series LBFK-drinking water
e.g. Type LBFK-4-6-2



Series LBFK-drinking water
e.g. Type LBFK-12-120-2



Domestic connections, risk areas, springs and water sources

LEGIO.filter small systems drinking water

Baseplate / frame material*

Aluminium plate	Installation sheets in aluminium AlMg3 Long sides 10 mm chamfered
Profile frame	Frame in hot-dip galvanised steel profiles, optionally in stainless steel

System		LEGIO.modul – ultrafiltration	
Filter elements	replaceable	Effective total area	0.25 m ² to 300 m ²
Automatic cleaning	LEGIO.control with electric control, manual on special request	Surface loading	20 l/m ² h – 400 l/m ² h
		Pressure loss approx.	0.5 – 1.0 bar
		Maximum differential pressure	2.0 – 2.5 bar
Flushing intervals	Interval times 0 – 999 min. 9 freely programmable locking times Flushing times 0 – 999 sec.	Pipework material	PVC, PE-X brass
		Performance	50 l/h – 60,000 l/h
		Bacterial filtering performance	> LOG 9 – 99.9999999%
Temperature resistance	up to 40°C, up to 55°C**	Virus filtering performance	> LOG 5 – 99.999%
Maximum operating pressure	up to 6 bar / up to 10 bar**	Pore size	0.02 µm ~ 100 – 150 kDa
Test marks	DVGW, KTW, CE-compliance, DIN depending on system		

* see price list, ** additional price, changes and errors reserved

Accessories*	Control of LEGIO.control
Self-priming raw water pump	Connection for external booster pump
Activated charcoal filter	Integrated reservoir control
Selective ion exchanger	Spray-protected
Clean water tank with air filtration	
Adjustable interval times, locking times and flushing times	
Booster pump	LED display of process and operating conditions
Sampling tap	Optional: digital differential pressure control

Functional equipment	Connection*
Pre-filter with adjustable pressure reducer, can be flushed automatically/manually, depending on design	Raw water, clean water and flushing water
Pressure gauge	Power (plug-ready) AC = 230V / 110V / 24V (50Hz / 60Hz), DC = 24V / 12V
Solenoid valves	• 9 V battery operation

Installation
Wall or floor-mounted with 4 screws, depending on version and installation position.
Thread or flange for connection of raw water, clean water and flushing water.
Power supply connection to local socket generally via plug connector type F (CEE 7/4).

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.



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