

LAICA®

LAICA S.p.A.

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www.laica.com

IM-UWD-STD
ISTWD00



LAICA

GERM STOP

Stop 99,999% of germs*
for safe drinking water



EN Antibacterial Water Dispenser

Instructions and guarantee



* Tests carried out by Accredited Laboratories on
Escherichia Coli ATCC 25922 (WDCM 00013),
Legionella pneumophila ATCC 33152 (WDCM 00107),
Pseudomonas aeruginosa ATCC 9027 (WDCM 00026)
and Staphylococcus aureus ATCC 25923 (WDCM 00034).

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GERM STOP

Stop 99,999% of germs*
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Water filter

2 YEARS GUARANTEE



Date

— / — / — —

Retailer's stamp

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Instructions and guarantee

intended to be used within certain voltage limits. This product is an electronic instrument that has been checked to ensure that, in the current state of technical knowledge, it will not interfere with other equipment located in the vicinity (electromagnetic compatibility) and that it is safe if used according to the instructions described in the user instructions. In case of abnormal behaviour of the appliance, refrain from use and if necessary contact the manufacturer directly.

WARRANTY

This equipment is covered by a 2 years warranty starting from the purchase date, which has to be proven by means of the stamp or signature of the dealer and by the fiscal payment receipt that shall be kept enclosed to this document. This warranty period complies with the laws in force and applies only in case the consumer is an individual. Laica products are designed for domestic use only; therefore, their use for commercial purposes is forbidden. The warranty covers only production defects and does not apply, if the damage is caused by accidental events, misuse, negligence or improper use of the product. Use the supplied accessories only; the use of other accessories invalidate the warranty cover. Do not open the equipment for any reason whatsoever; the opening or the tampering of the equipment, definitely invalidate the warranty. Warranty does not apply to parts subject to tear and wear along the use, as well as to batteries, when they are included. Warranty decays after 2 years from the purchase date. In this case, technical service interventions will be carried out against payment. Information on technical service interventions, under warranty terms or against payment, may be requested by writing at info@laica.com. Repair or replacement of products covered by the warranty terms are free of charge. In case of faults, refer to the dealer; DO NOT send anything directly to LAICA. All interventions covered by warranty (including product replacement or the replacement of any of its parts) shall not be meant to extend the duration of the original warranty period of the replaced product. The manufacturer cannot be made liable for any damages that may be caused, directly or indirectly, to people, things and pets resulting from the inobservance of the provisions contained in the suitable user manual, especially with reference to the instructions related to installation, use and maintenance of the equipment. Being constantly involved in improving its own products, Laica reserves

the right to modify its product, totally or partially, with reference to any production need, without that this involves any responsibility whatsoever by Laica or its dealers.

REFERENCE LITERATURE

1) Guidelines for Drinking-water Quality - 4th ed.

ISBN 978 92 4 154815 1 (NLM classification: WA 675), World Health Organization, WHO Library Cataloguing-in-Publication Data.

2) Nutrients in Drinking-water

ISBN 92 4 159398 9 (NLM classification: WA 687), Water, Sanitation and Health, Protection and the Human Environment, World Health Organization, Geneva. World Health Organization, WHO Library Cataloguing-in-Publication Data.

3) Silver in Drinking-water

Background document for development of WHO Guidelines for Drinking-water Quality. World Health Organization, World Health Organization, Geneva, 1996.

4) pH in Drinking-water

Background document for development of WHO Guidelines for Drinking-water Quality. World Health Organization, World Health Organization, Geneva, 1996.

5) Calcium and Magnesium in Drinking-water

Public health significance. ISBN 978 92 4 156355 0 (NLM classification: QV 276) World Health Organization, WHO Library Cataloguing-in-Publication Data.

6) Hardness in Drinking-water

Background document for development of WHO Guidelines for Drinking-water Quality. World Health Organization, World Health Organization, Geneva, 1996.

7) Jug water filter systems – Specification

British Standard, BS 8427: 2004

8) AFNOR – Association Française de Normalisation

Norme Francaise NF P41 - 650

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EN Antibacterial water dispenser



Wash the pre-filter (when supplied) with cold, tap water previously boiled when necessary.

- Never wash the Germ Stop filters with tap water.**

Do not wash the Bi-flux cartridges and the Germ Stop filters with soap or detergents.

- Remove the funnels from the hopper and clean them internally with a cleaning brush at least 2-3 times a week (**fig. 22**).

REPLACEMENT OF DAMAGED PARTS

Bi-flux cartridges life indicator / Germ-STOP filters life indicator / Germ-STOP Activation Pump / Pre-filter (when supplied)

In case of breaking or damage, contact your retailer. Then dispose of the damaged parts as per the paragraph "**DISPOSAL PROCEDURE**".

TROUBLE SHOOTING

PROBLEM	POTENTIAL CAUSE	SOLUTION
The water flow slows down until stopping.	Biflux cartridges have not been properly activated.	Repeat the procedure described in the section "PREPARATION OF BI-FLUX CARTRIDGES".
	Air bubbles may build up inside the Biflux cartridges thus hindering the normal water flow.	Remove the cartridges, immerse them in cold, clean potable water previously boiled letting the air bubbles escape, allow them to drip and then insert them again into the hopper. Caution! The wrong disposal of electric and electronic equipment may involve sanctions.
The water flow slows down until stopping.	Germ-STOP filters life time has elapsed.	Replace Germ-STOP filters with new ones.
	Germ-STOP filters are new but they have not been activated properly.	Repeat the procedure described in the section "PREPARATION OF Germ-STOP FILTERS".

The water flow slows down until stopping.	Pre-filter is not clean.	Wash it as described in the section "CARE AND MAINTENANCE".
Undesirable smells or tastes are present in the system.	The system cleaning and maintenance have not been done properly.	Repeat the procedure described in the section "CARE AND MAINTENANCE".
	Germ-STOP filters life time has elapsed.	Replace the Germ-STOP filters with new ones.

DISPOSAL PROCEDURE



The symbol on the bottom of the device indicates the separated collection of electric and electronic equipment (**Dir. 2012/19/EU-WEEE**).

At the end of life of the device, do not dispose it as mixed solid municipal waste, but dispose it referring to a specific collection centre located in your area or returning it to the distributor, when buying a new device of the same type to be used with the same functions. If the appliance to be disposed of is less than 25 cm, it can be returned to a retail location that is over 400 m² without having to purchase a new, similar device. This procedure of separated collection of electric and electronic devices is carried out forecasting a European environmental policy aiming at safeguarding, protecting and improving environment quality, as well as avoiding potential effects on human health due to the presence of hazardous substances in such equipment or to an improper use of the same or of parts of the same.

Caution! The wrong disposal of electric and electronic equipment may involve sanctions.

Instructions for the disposal of water dispenser:

- dispose the electronic indicator as electronic equipment at a specific collection centre;
- dispose the other components according to their respective belonging class (plastic, solid municipal waste for the cartridges, filters and pre-filter).

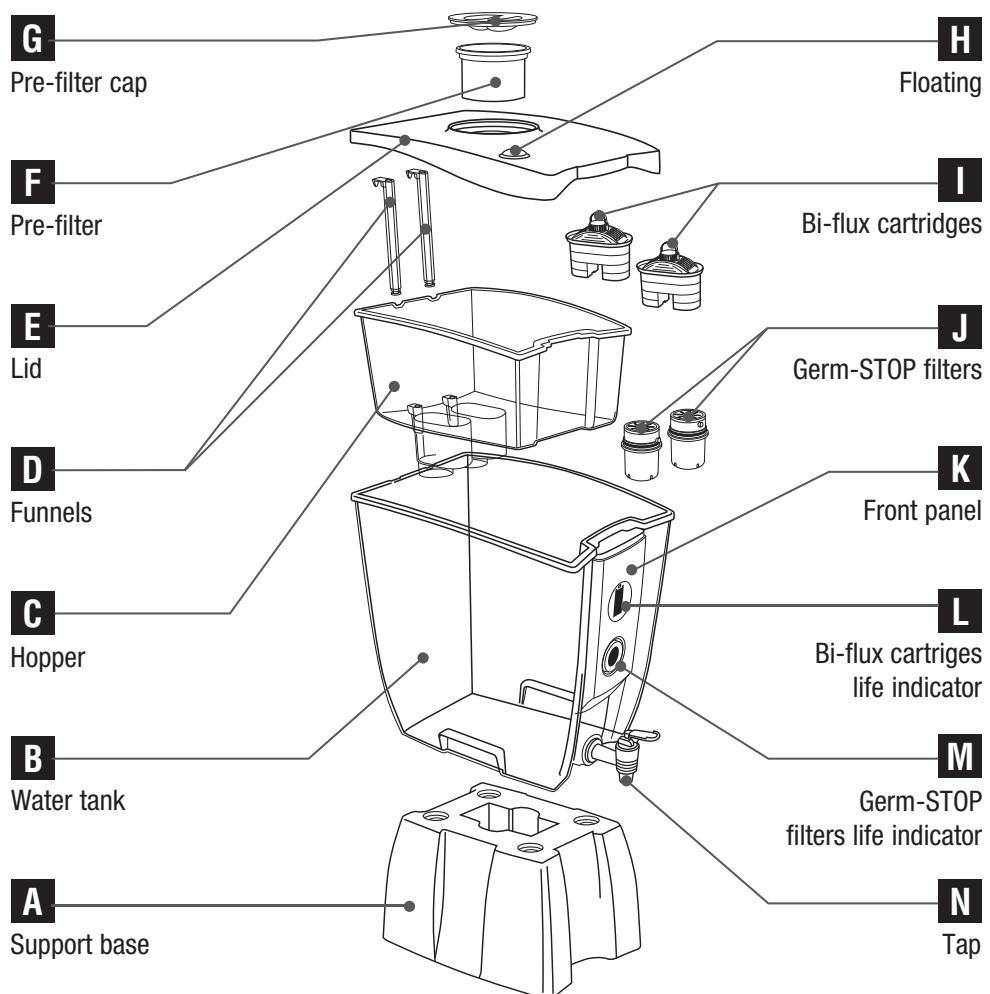
CE This product is intended for home use. The conformity, proven by the CE marking on the appliance, is related to the directive 2014/30/EU relating to electromagnetic compatibility and to the directive 2014/35/EU relating to electrical equipment

LAICA

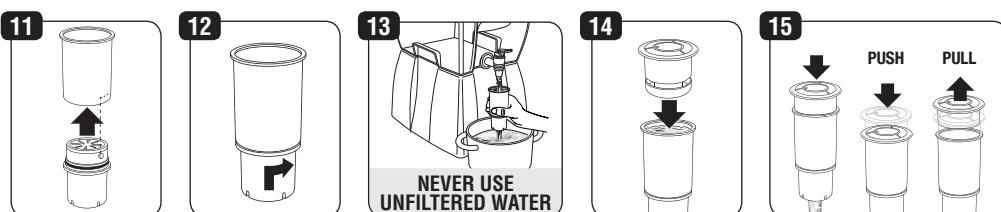
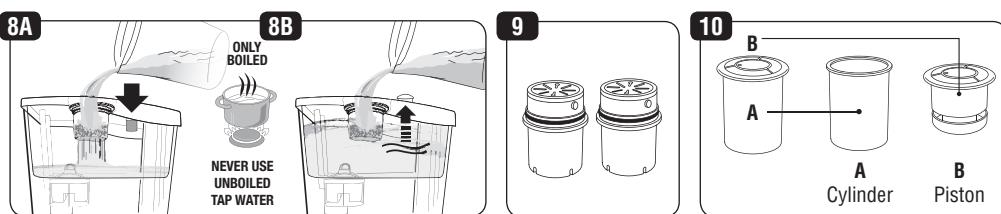
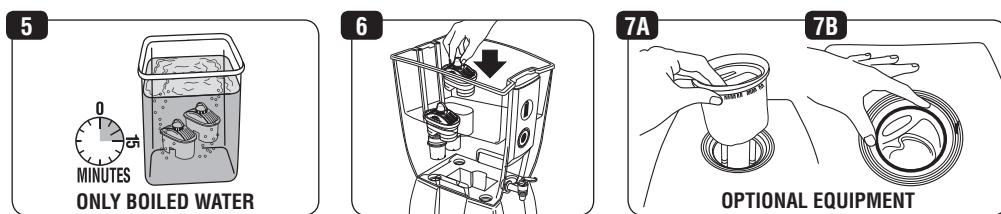
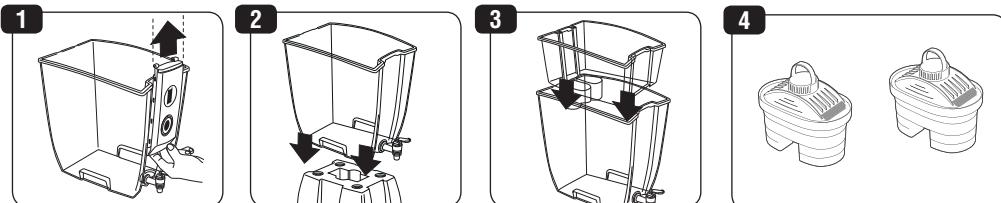
GERM STOP



ANTIBACTERIAL WATER DISPENSER COMPONENTS



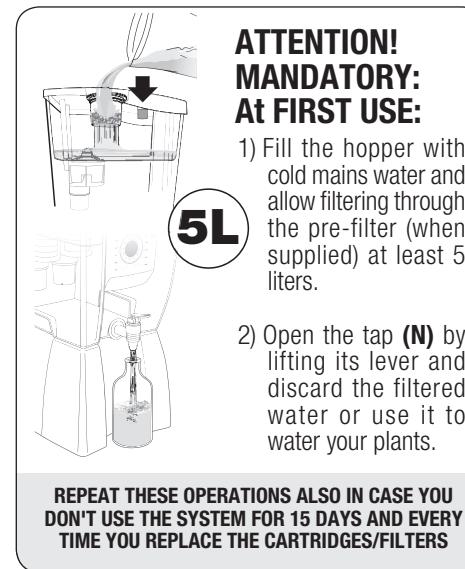
Preparation of Germ-STOP filters and Bi-flux cartridges



Instructions and guarantee

lens of the indicator.

USING THE ANTI-BACTERIAL WATER DISPENSER



- Fill the hopper with potable cold tap water to the top level of the same (fig. 8A): the floating will come up to the lid. (fig. 8B). Close the lid with the pre-filter cap.
- Place your glass or container under the tap, make sure it aligns with the tap (fig. 18).
- Open the tap by lifting up its lever. **Do not leave unattended during the water flow process.**
- When desired close the tap by pushing downwards its lever.
- Repeat the above steps for as many glasses as you require.

If you want to save space, you can remove the support base and put the water tank directly on the solid clean surface.

In this case, take care the tap sticks out the surface and keep the glass or container in your hand under the tap (fig. 19).

- Make sure your glass or container is positioned directly underneath the tap.
- Never operate without a glass or container under the tap.

CAUTION:

- In the case of non-use of the ultra-filtration system for 24 hours, discard the water that remains inside it. The system is ready for use again.
- Keep the product away from heat sources and direct sunlight.
- Only use cold water (+4°C; +30°C).
- Only filter water, do not filter any other type of liquid.

FILTERS AND CARTRIDGES LIFE-TIME

- Bi-flux cartridges:** 300 liters or 2 months (what comes first).
- Germ-STOP filters:** Germ-STOP block bacteria and suspended particles (water turbidity). The filters stop working when their hollow fibers pores are completely blocked. Tests carried out with challenge water with a 30 FAU turbidity indicate a life-time of 1000 Liters.

FILTERS AND CARTRIDGES REPLACEMENT

- Bi-flux cartridges:** for replacement of the cartridges remove them from the hopper by pulling them upwards, as shown in fig. 20, and repeat the operations as indicated in the section: **"ULTRA-FILTRATION SYSTEM PREPARATION - PREPARATION OF BI-FLUX CARTRIDGES"**.
- Germ-STOP filters:** For replacement of the filters remove them from the hopper by unscrewing them as shown in fig. 21 and repeat the operations as indicated in the section: **"ULTRA-FILTRATION SYSTEM PREPARATION - PREPARATION OF Germ-STOP FILTERS"**

CARE AND MAINTENANCE

- Wash your hands thoroughly before cleaning the device.
- Never use chemicals or abrasives.
- Remove the front panel by pushing it upward and wipe it with a slightly damp cloth.
- Always remove the Germ-STOP filters and the Bi-flux cartridges before washing the hopper.

N.B. The filters may be difficult to remove: this is normal because, due to safety issues, the filters adhere to the hopper in order to prevent unwanted leakages.

- Wash the tank with its tap, the hopper, the tank lid with pre-filter cap by hand with warm water previously boiled and washing-up liquid at least 2-3 times a week. Do not wash the cartridges, the filters and the pre-filter with soap or detergents.

EN Antibacterial water dispenser



4. Insert the front panel on its housing on the water tank by pushing it downward.
5. Wash the pre-filter (when supplied) into cold clean tap water previously boiled and put it on a clean surface.

The hopper has got two funnels (fig.D) for air outlet. Take care of keeping always the funnels closed (by closing the device lid).

The hopper of the ultra-filtration system is made to house Laica Biflux cartridges and Laica Germ-STOP filters only.

PREPARATION OF BI-FLUX CARTRIDGES

- 1) Before proceeding with the following operations, wash hands thoroughly with water and soap.
- 2) Remove the cartridges (fig.4) from their bags.
- 3) Use a clean dish or surface to place the cartridges. Never work in dirty conditions.
- 4) Soak the cartridges in a container full of cold tap previously boiled water, for approximately 15 minutes (fig.5). Shake the cartridges to release the air they contain.
- 5) Insert the hopper into the water tank (fig.3).
- 6) Insert the cartridges into the hopper pressing slightly to ensure correct insertion (fig.6).
- 7) Close the water tank with its lid. Insert the pre-filter into its housing (fig.7A and fig.7B).
- 8) Fill the hopper with 5 L of cold tap potable water previously boiled. Let it filter and then discard the filtered water (or use it to water your plants)
- 9) In order to prepare the Germ-STOP filters, fill the hopper with at least 2 L of cold potable tap water previously boiled and let them filter.

The Bi-flux system is now ready to be completed with the Germ-STOP system.

PREPARATION OF Germ-STOP FILTERS

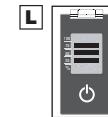
- 1) Before preparing the filter, wash your hands thoroughly with water and soap.
- 2) Remove the filter (fig.9) from its bag.
- 3) Use a clean dish or surface to place the filter. Never work in dirty conditions.
- 4) Remove the activation pump (fig.10) from its bag and never place it on dirty surfaces during operation.
- 5) Separate piston from cylinder by pulling it upwards (fig.10B).
- 6) Hook the Germ-STOP filter to the cylinder by screwing it (fig.11 and 12).
- 7) Place the cylinder, once hooked to the filter,

under the tap (fig. N). Open the tap by lifting its lever and fill the cylinder with the water previously filtered with Bi-flux cartridge (fig.13).

- 8) Take the piston (fig. 14) and push it downwards inside the cylinder strongly enough to make the water go out from the Germ-STOP filter and then pull it upwards (fig. 15).
- 9) Repeat points 7 and 8 for 3 times. Important: make sure to never push the piston downwards inside the cylinder if it is still empty and not filled with cold tap water previously filtered with Bi-flux cartridge, in order to avoid any air to enter.
- 10) Unscrew the Germ-STOP filter from the cylinder of the activation pump (fig. 16).
- 11) Take out the hopper and assemble the Germ-STOP filter by screwing it to its bottom (fig. 17). Put the hopper on a clean surface while you repeat above mentioned points to activate the second Germ-STOP filter.
- 12) Assemble the second filter to the hopper and place the hopper into the water tank. Make sure that both the cartridges and the filters are correctly assembled.
- 13) Close the water tank with its lid. Insert the prefilter into its housing (fig.7A and fig.7B).

The complete system is now ready for use.

ACTIVATION OF THE CARTRIDGE AND FILTER LIFE INDICATORS

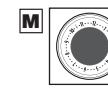


Bi-flux cartridges life indicator
Press the "O/I" key for a few seconds until the 4 black bars, each of which corresponds to a period of two weeks, stabilize on the electronic indicator (fig.

L1: 3 consecutive flashes of the same bars confirm activation of the electronic indicator.

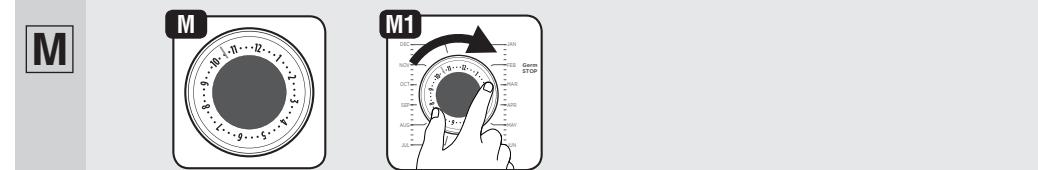
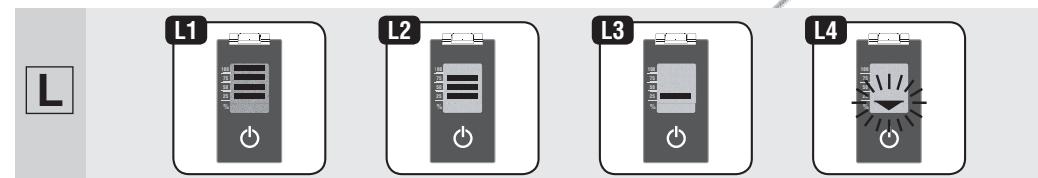
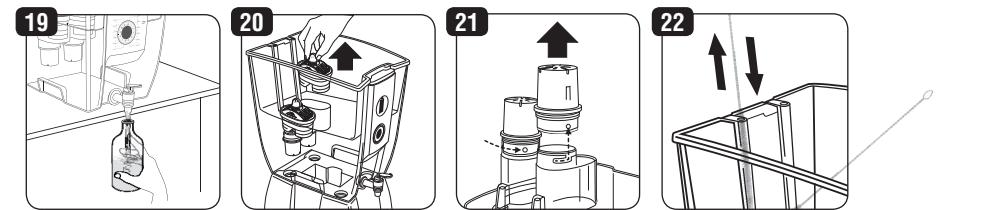
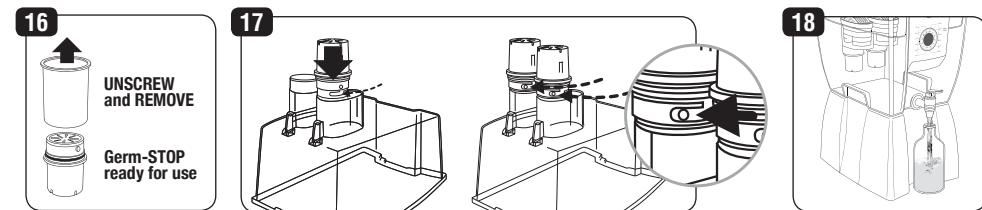
The electronic indicator indicates that the total filtering capacity is 75% (fig.L2).

The electronic indicator indicates that the total filtering capacity is 25% (fig.L3). When it is time to replace the cartridges, the following symbol appears on the display: "▼" (fig.L4).



Germ-STOP filters life indicator

Turn the upper lens of the indicator clockwise as indicated in fig.M1, to set the start month and week for the cartridge (fig. O). The month and week of reference must be aligned with the red sign printed on the upper



Time setting range for Germ-STOP filters life indicator

month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep.	Oct	Nov	Dec
week	1 • • •	2 • • •	3 • • •	4 • • •	5 • • •	6 • • •	7 • • •	8 • • •	9 • • •	10 • • •	11 • • •	12 • • •
	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°	1° 2° 3° 4°

Dear customer, Laica wishes to thank you for choosing this product, designed for reliability and quality to provide complete satisfaction.

IMPORTANT
READ CAREFULLY BEFORE USING
KEEP FOR FUTURE REFERENCE

The instruction manual must be considered an integral part of the product and must be kept for its entire life. If the appliance is transferred to another owner, its documentation must also be transferred in its entirety. To ensure the safe and correct use of the product, the user must carefully read the instructions and warnings contained in the manual insofar as they provide important information regarding safety, user and maintenance instructions.

If you lose the instruction manual or require further information or explanations, please contact Laica at the following address:

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36048 Barbarano Mossano (VI) - Italy
Phone +39 0444 795314
www.laica.it - info@laica.it

The system is equipped with:

1. **Two Bi-flux cartridges (fig. 4)**, effective in the reduction of chlorine and disinfection by-products, in heavy-metals and some chemicals including some pesticides and herbicides.
2. **Two Germ-STOP filters (fig. 9)**, which are effective in the mechanical block of bacteria, that may be present in the municipal potable water for accidental situations.
3. **One Germ-STOP Activation pump (fig. 10)**, a manual piston-type module made of two components: a cylinder (fig. 10A) and a piston (fig. 10B) for the preparation of the Germ-STOP filter. **CAUTION:** use these cartridges/filters to treat municipal potable water (check with the competent authority in your area).

GENERAL WARNINGS ON SAFETY OF YOUR LAICA ULTRA-FILTRATION SYSTEM

- Prior to use, ensure the product is intact and that there is no visible damage. If in doubt, refrain from using the device and contact your retailer.
- Keep the plastic bag out of reach of children: danger of suffocation.
- Follow the instructions of the present manual.

Failure to do so may affect the product safety or damage the product itself.

- This device must be used only for its intended purpose which is DEVICE TO TREAT POTABLE WATER and according to the instructions for use. All other types of use shall be considered inappropriate and therefore hazardous.
- Do not use this product for the production of potable water.
- In case of Authorities warning to boil the tap water for safety against a temporary contamination risk, also the water filtered with this filtration system must be boiled.
- When Authorities declare that the tap water is potable and safe again, the system must be cleaned as per "ULTRA-FILTRATION SYSTEM PREPARATION" paragraph and both Bi-flux cartridges and Germ-STOP filters must be replaced.
- People affected by specific diseases, allergies or following controlled diets should refer to a doctor before using the ultra-filtration system.
- **NEVER** use the ultra-filtration system with previously treated water.
- **In the case of emergency situations reported by the competent authorities, contact the competent authority in your area for further information.**
- **NEVER** tamper with or break the cartridges and filters for any reason.
- The manufacturer shall not be deemed liable for any damage caused by inappropriate or incorrect use.
- Preparing, filters/cartridges replacing and maintenance must be performed only by anyone aged 12 years and over.
- Children and individuals with physical, sensory or mental disabilities or unskilled people, may use and perform maintenance on the product only under adult supervision. Children must not play with the device.
- Product cleaning and maintenance must only be performed by adults.
- **NEVER** leave the device operating unsupervised.
- In the event of a fault and/or malfunction, close the tap without tampering with it. Contact your retailer for repairs. Information on technical support can be requested by contacting info@laica.com.
- Handle the product with care, protect it against

Instructions and guarantee

accidental impact, extreme temperature fluctuations, dust, direct sunlight and sources of heat.

- Place the antibacterial water dispenser on a flat, solid surface and away from the edge of the counter top.
- Keep the device away from the stove, electric hot plate, oven or flammable materials.
- Do not insert any objects into openings.
- Do not use the device if the lid is damaged.
- **NEVER** filter hot water.
- Only filter cold running potable water from the household mains, always with both cartridges and filters assembled.
- **NEVER** put the device into a working disinfection cabinet.
- **NEVER** freeze the device.
- Do not use it outdoors.
- This device is not intended for professional use, but rather only for domestic use.

IMPORTANT:

- 1) **Always remove the Germ-STOP filters and Bi-flux cartridges before washing the hopper.**
N.B. The filters may be difficult to remove: this is normal because, due to safety issues, the filters adhere to the hopper in order to prevent unwanted leakages.
Do not wash the cartridges and filters with soap or detergents.
- 2) **Never wash Germ-STOP filters with tap water and never filter directly tap water with Germ-STOP filters. Always use water already filtered by Bi-flux cartridges.**

IMPORTANT NOTES FOR PRODUCT USE

This system is for use on water supplies that have been treated to public water system standards or that otherwise are determined to be microbiologically safe as demonstrated by routine testing. This system has been tested to demonstrate protection against intermittent accidental microbial contamination of otherwise safe drinking water.

- The Laica filtration system maintains the pH value within the range indicated by European Directive 98/83/EC concerning the quality of water meant for human consumption.

- The activated carbon contained in the Bi-flux cartridges may release a certain amount of fine powder (which is in no way harmful).
- Silver is used in the Bi-flux cartridges to grant their bacteriostatic action. Any release of silver ions falls under the guidelines from the World Health Organization (WHO).
- Germ-STOP filter flow rate and life time may vary depending on the quantity, quality and temperature of the filtered water.

DECLARATION OF CONFORMITY:

Filtration systems produced by Laica are compliant with the following standards:

- European Directive EMC 2014/30/EU concerning Electromagnetic Compatibility (where required).
- Ministry Decree no. 174 dated 6/04/2004 regarding materials and objects that may be used in collection, treatment, supply and distribution systems for water intended for human consumption.
- Legislative Decree no. 31 dated February 2, 2001, Italian transposition of the Directive 98/83/EC related to water meant for human consumption.
- Regulation 1935/2004/EC regarding materials in contact with food.
- Regulation (EU) 10/2011 regarding plastic materials and objects intended to come in contact with food.

ULTRA-FILTRATION SYSTEM PREPARATION

Before using the antibacterial water dispenser for the first time:

1. Remove the lid (fig. E) and pull out the support base (fig. A). Put the support base upside down on a flat and solid surface and away from the edge of the counter top. Remove the hopper (fig. C) and then remove the front panel (fig. K) from the water tank (fig. B) by pushing it upward (fig.1). Then wash the water tank with its tap, the hopper with its funnels, the lid and the pre-filter lid with previously boiled potable water and washing-up liquid. Make sure all the detergent is rinsed off after cleaning. Dry all these parts with a clean cloth.
2. Use a clean surface to place the hopper, the water tank, the lid and the pre-filter lid. Never work in dirty conditions.
3. Put the water tank on its support base (fig.2).