



# WATERGUARD PREMIUM

WATER PURIFIER



Instruction manual

## Safety instructions

Read attentively the safety instruction in this manual before the use, in order to guarantee a correct and safe usage of your unit. The non observance of the security instruction will invalidate the warranty. Lux declines every responsibility for damage to third parties or things caused by the non observance of the below listed security instruction.

- The electric security of this unit is granted only when connected to an electric main having a socket and a differential switch complying with the law. It is compulsory to check these safety characteristics.
- Do not insert or remove the plug from the socket with wet hands.
- Do not touch the unit with wet hands or feet when connected to the main.
- The electric contact data on the rating plate such as voltage, frequency and maximal ampere must comply with the ones at the socket.
- Installation, maintenance and repairs may only be undertaken by authorised Lux personnel.
- Keep the device in a dry place. Do not expose it to atmospheric agents, humidity or heat sources.
- Always switch off the unit and disconnect the plug from the main before any maintenance or cleaning.
- Do not use the device if the electric cord or the unit appear to be damaged. Replace the electric cord by the authorized person from Lux only.
- In case of damages or incorrect functioning of the unit switch off and unplug immediately the unit and contact a Lux Service Centre.
- Only use Lux ORIGINAL spare parts for the repair.
- This product has been developed for the domestic use. Every use in professional segment, or improper use, or the non observance of the security instruction will invalidate the warranty
- The constructor declines any responsibility for damages caused to third persons or objects due to improper use of the unit, or repairs or service done by non authorised personnel.
- This appliance is not to be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they are given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should not play with the appliance. Cleaning and user maintenance should not be done by children without strict supervision.

## For a correct use and performance

- The inlet water should always be at a temperature above 5°C and below 40°C
- Never use the unit in places exposed to frost.
- The inlet water pressure should always be between a min. of 1 bar and a max. of 3 bar. For higher inlet pressure install a pressure regulator.
- The inlet water hardness should be of max 300mg/L. In case of higher hardness install a water softener.
- The inlet water TDS should be of max 2000 mg/L.
- In case of well, tank or surface water, even with certificate of potability, use an additional pre-filter outside the unit.
- For a correct functioning, the membranes are preserved in a bacteriostatic liquid. By the first installation and after

a membrane replacement, run the water for about 30 minutes before drinking it.

- After a pause let the water flow for 30 seconds before using it, this will have a better quality.
- The UV lamp is activated when the unit is switched on therefore it is necessary to let some water flow for one minute before the use. This is necessary for a correct bacteria removal.
- The UV lamp has to be replaced only by authorized service person from Lux. Users are not allowed to handle the UV Lamp
- The appliance has to be connected to permanent water source
- In case of inactivity of the unit for periods between 7 and 25 days, let the water run for at least 15 minutes before using it. For longer periods it is necessary to remove the membrane for their preservation.



By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling this product. This product cannot be treated as household waste. Instead it shall be handed over to a Lux service or collection point for the recycling of electrical and electronic equipment.

## Know your water purifier

### Unit



- 1 Display
- 2 UP button
- 3 MENU button
- 4 DOWN button
- 5 ON/OFF switch
- 6 Taste regulator
- 7 Power cable
- 8 Pure water output
- 9 Drain output
- 10 Tap water input

## Exclusive Lux filtration system



### Sediment Filter

To remove eventual physical impurities



### Carbon Filter

Natural coconut shell carbon filter to remove excess chlorine and organic impurities.



### Reverse Osmosis Membrane

To remove all particles up to 0.0001 micron



### UV lamp filtration chamber

To remove virus and bacteria



### Taste enhancer

To ensure a fresh and tasty water

## Operation

1. Switch on the unit by pressing the ON/OFF switch.
2. Open the tap lever to make the water flow and activate your water purifier. During the purification and dispensing period the blue light of the „water dispensing“ symbol on the display will flash. To enjoy a better water quality let the water flow for some seconds before using it.
3. To stop the water flow, close the tap lever. The „water dispensing“ symbol on the display will stop flashing and glows continuously.

## Troubleshooting

Should the unit stop working or emit a beeping signal, please check the display and refer to the trouble shooting table below

Problem	Cause	Action
No water / low pressure	The pressure of the inlet water is too low (<1bar)	Check water pressure
Water leakage	Water has leaked in the unit and the security switch off has been activated	Call Service Center
No TDS or temperature value	The TDS sensor is not working	Call Service Center
Fault No 1	The UV lamp is not working or not present	Call Service Center
Fault No 2	RO solenoid valve or pump fail short	Call Service Center
Fault No 3	TDS sensor fault	Call Service Center

## Service Indication

### Filter change

The unit advises the need to replace and service the filters by displaying the message „Change Filter“ and „Call Service“ underneath the TDS and temperature value. At the same time a recurring beep sound will alert you on the upcoming filter change.

To guarantee safe water when the filter have reached their life time the system will emit a continuous beep sound every time the faucet is open. The display will not give indications on the TDS and temperature and will only display the message „Change Filter“ „Call Service“.

### Taste regulation valve

For a healthy and tasty water we suggest to regulate the output TDS to 80 ppm. This value will be set at the installation by our Lux technician. Should you though wish to make your water „tastier“ or „lighter“, than slightly turn the taste regulation valve in the back of the unit respectively clockwise or anti-clockwise. Have the output TDS value of your water checked at the following service.

## Technical Data

Product Specifications		Recommended Input Water Parameter	
Type	Waterguard Premium	TDS	Up to 2000mg/L. 300 mg / L (for 2 LPM @ 80 mg / Liter output TDS)
Model	RO + UV Water Purifier	Hardness	Max. 250 mg / Liter
Dimensions (WxDxH) (mm)	115 x 465 x 430	Turbidity	Max. 5 NTU
Weight (kg)	13	Free chlorine	1 Mg/L
Pump type	48 V DC – Dual head pump – 4 LPM Open flow	Input water pressure	3 bar. For pressure > 3 bar it is mandatory to install the product with Pressure Regulating Valve
Pre-filter	Poly propylene filter	Humidity	< 90%
Carbon filter	Carbon block	Temperature	Working: >5°C to < 30°C; Storage: >-10°C to < 60°C
Reverse Osmosis Membrane	150 GPD TFC Spiral (two in parallel)	<b>Product Performance</b>	
Taste Enhancer Cartridge	Carbon granules	Microbiological reduction	Bacteria 99.9999%
UV Lamp	11 Watts – G11 T5		Virus 99.99%
Operating Voltage	48 & 24 V DC		Cyst 99.9%
Power supply for adaptor	Input: 200 to 240 V AC, 50 / 60 Hz, 1ø and Output : 48 & 24 V DC	TDS reduction	> 90%
IP Rating	IPX0	Purified water TDS	80 – 90 ppm
Power consumption	120 Watts Max	Recovery	Min 50%
Working pressure	1 bar to 3 bar	Flow rate	1600 ml/min.
Water rejection	< 50%		



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