



# WATERGUARD CLASSIC

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 ON/OFF switch          | 5 Tap water input    |
| 2 Display                | 6 Pure water output  |
| 3 Taste regulation valve | 7 Drain water output |
| 4 Power cord plug        | 8 Faucet             |
|                          | 9 Installation kit   |

### Display



- |                     |                  |
|---------------------|------------------|
| 10 Power ON         | 12 Fault         |
| 11 Water dispensing | 13 Filter change |

## 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

Fault	Cause	Action
No visual Indications on the product	No power or Power supply to the product Power switch is not ON Harness fault	Ensure power supply Switch ON Correct the harness
Power ON and other indication OFF	No water input or low water pressure to the product	Ensure water supply with sufficient input pressure
Power ON and the process indication glows – product not working	No issue with the unit and the product will start when the faucet is opened	Open the faucet and collect the water
Sufficient input pressure is available – still product does not work	Check for cartridge blockage or the tube kink	Call Service Center
All indications are normal and no output water from product	S V – not opening Membrane clogged	Call Service Center Call Service Center
Service LED Blinks fast @0.25 sec & buzzer sound	Water leakage in the Product	Call Service Center
Service LED Blinks slow @ 0.5 sec & buzzer sound	Fault in SV or Pump	Call Service Center
Service LED glows with buzzer sound	U V Fault	Call Service Center
Filter change indication blinking	Warning to replace the filters	Call Service Center
Indication Glow solid & Unit not working	Filter life exhausted and Have to be replaced	Call Service Center

## Service Indication

### Fault (red light)

The fault symbol turns on and a buzzer will be activated in case of

- Defect or missing UV bulb,
- Pump failure
- Water leakage.

In any of those case call the closest Lux Service Centre for assistance and repair.

### Filter change (orange light)

The filter change symbol provides warning by blinking for filter change before one month of its life. If the filters are not changed within the warning period, the filter change symbol turns on and a buzzer will be activated to indicate that the filters need to be changed and the unit serviced. Please call the closest Lux Service Centre for assistance.

### Protective flushing (blinking white light)

The protective flushing is a filter protection function. When the unit is on, but water is not dispensed for at least 12 hours (tap is not opened), the unit will flush the filters for 2 minutes. The white “power ON” light indication will blink, to indicate that the flushing is operating.

## 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	
Type	Waterguard Classic
Model	RO + UV Water Purifier
Dimensions (WxDxH) (mm)	115 x 435 x 410
Weight (kg)	11
Pump type	48 V DC - 1800 ml per minute – Open flow
Pre-filter	Poly propylene filter
Carbon filter	Carbon block
Reverse Osmosis Membrane	150 GPD TFC Spiral
Taste Enhancer Cartridge	Carbon granules
UV Lamp	11 Watts – G11 T5
Operating Voltage	48 & 24 V DC
Power supply for adaptor	Input: 200 to 240 V AC, 50 / 60 Hz, 1ø and Output : 48 & 24 V DC
IP Rating	IPX0
Power consumption	70 Watts Max
Working pressure	1 bar to 3 bar
Water rejection	< 50%

Recommended Input Water Parameter	
TDS	Up to 2000mg/L. 300 mg / L (for 1 LPM @ 80 mg / L output TDS)
Hardness	Max. 250 mg / Liter
Turbidity	Max. 5 NTU
Free chlorine	1 Mg/L (PPM)
Input water pressure	1 - 3 bar. For pressure > 3 bar it is mandatory to install the product with Pressure Regulating Valve
Humidity	< 90%
Temperature	Working: >5°C to < 40°C; Storage: >-10°C to < 60°C
Product Performance	
Microbiological reduction	Bacteria 99.9999%
	Virus 99.99%
	Cyst 99.9%
TDS reduction	> 90%
Purified water TDS	80 – 90 ppm
Recovery	Min 50%
Flow rate	800 – 1000 ml/min.



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