

**Matala®**  
"Make water alive"

# **Immersion UV-C** **40W/75W**



Operation Manual

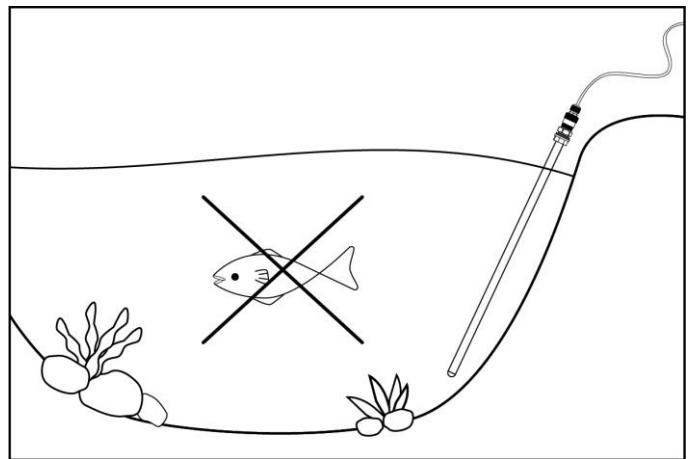
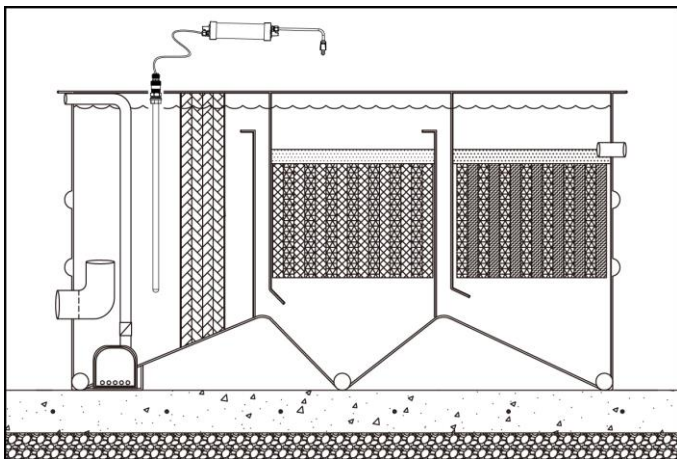
**Please read carefully through these instructions for use before installing this device.**

### **Operation**

The UV-C plunger generates UV-C radiation at a wavelength of 253.7 nm through the PHILLIP T5 UV lamp, which destroys bacteria (incl. the Legionella bacteria). The UV-C plunger ensures clean, fresh and clear pond water in an efficient and environmentally-friendly manner. The UV-C radiation neutralizes bacteria, viruses and other primitive organisms, and prevents them from reproducing. The UV-C plunger has an electronic ballast to ensure a constant power supply. Always use protective goggles and wear latex gloves when putting the UV-C plunger into operation. It is also recommended that you carefully read through the safety regulations.

**The UV-C plunger is a mobile unit that can be used for various purposes, such as:**

- Ponds (**not in direct contact with fish, drawing 2**)
- Water-butts / water storage tanks (drawing 1)
- Filter systems / relief boxes
- Swimming pool filters / swimming ponds (not in direct contact with human!)



This UV-C device is also suitable for saltwater applications. The device must always be rinsed with clean water, however, after being removed from saltwater or chlorinated water.

### **Advantages of the UV-C treatment:**

- Ensures clear water
- Disinfects water efficiently and safely
- Prevents germs
- Safe and easy to use
- Keeps the formation of mould, bacteria and algae under control

### **Advantages of the UV-C plunger:**

- Includes a special built-in electronic pre-selector for a constant power supply.
- Includes a PHILLIP UV-C lamp
- Easy installation and maintenance
- 1-year guarantee on manufacturing faults
- Earthed
- Can be used for several applications
- Submersible

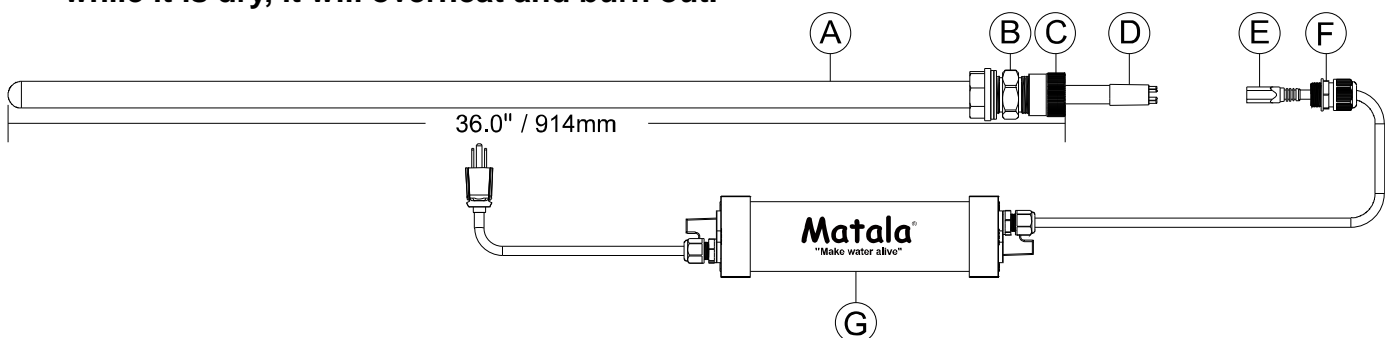
## Safety

**Attention! Make sure the lamp is always completely under water. If the lamp is on while it is dry, it will overheat and burn out.**

- This device produces harmful radiation. Direct contact can be harmful to eyes and skin.
- Unintended use of the device may lead to direct exposure to hazardous UV-C radiation. Even in small doses, UV-C radiation could cause injury to the eyes and skin.
- Always insert the plug of the device into an earthed socket fitted with a protective cover.
- Always comply with the electricity company's regulations with regard to any permanent connection to the mains. If there is any doubt regarding the connection, consult a recognized electrician or the electricity company. Always work with an earth leakage current circuit-breaker (max 30mA).
- Always remove the plug from the socket before carrying out any maintenance or repair work on the unit. Never insert the plug / pull the plug from the socket when you are standing in water or if your hands are wet.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or a lack of experience and know-how, unless they are under supervision or are instructed on the use of the device by a person responsible for their safety.
- The cable of the device cannot be replaced. The complete electrical unit of the device must be replaced if there is any damage to the power cable. Never remove the plug, but always leave the electrical unit intact. An electrical unit with the plug removed will no longer be covered by the guarantee.
- Once the device has been switched off, the lamp will remain hot for approximately 10 minutes.
- Do not use the device if any of the components are damaged (this particularly applies to the quartz glass).
- Remove the device if there is any risk that it might freeze during the winter months.
- This product may only be used according to the guidelines described in this manual.

## Montage Immersion UV-C

**Attention! Make sure the lamp is always completely under water. If the lamp is on while it is dry, it will overheat and burn out.**



1. Fit or place the UV-C plunger at the desired location in the water.
2. Install the electrical unit (G) in a dry/sheltered position.
3. The UV plunger is now ready for use.

## Replacing the UV plunger lamp

1. Remove the plug from the socket and wait for at least 1 minute.
2. Carefully take the UV plunger out of the water.
3. Loosen the cable gland (F) from the nut part (C).
4. Take a new UV lamp (D) from the packaging.
5. Carefully pull the lamp (D) from the lamp fitting (E).
6. Carefully slide the new lamp (D) into the quartz glass (A).
7. Place the lamp fitting (E) onto the lamp (D).
8. If necessary, clean the quartz glass with a soft cloth and a non-aggressive cleaning agent.
9. Slide the quartz glass into the lamp fitting and hand-tighten the nut onto the screw part (F).
10. Please make sure all connector / fittings are thread tighten.
11. The UV-C device is now ready for use.

**Attention: the lamp must be disposed of at the civic amenity site of your municipality. The complete electrical unit of the device must be replaced as a whole if there is any damage to the power cable.**

### Technical specifications

Model	40W	75W
Lamp T5	40 Watt	75 Watt
Lamp Interval [hour]	9000 hour	9000 hour
Voltage	115V60Hz / 230V50Hz	
Max. Suggested	5,500 Gal	10,500 Gal
Pond size	21,000L	39,700L

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