

UV-C disinfection device, LED UV-C module for water sterilization in motorhomes and filtration systems.

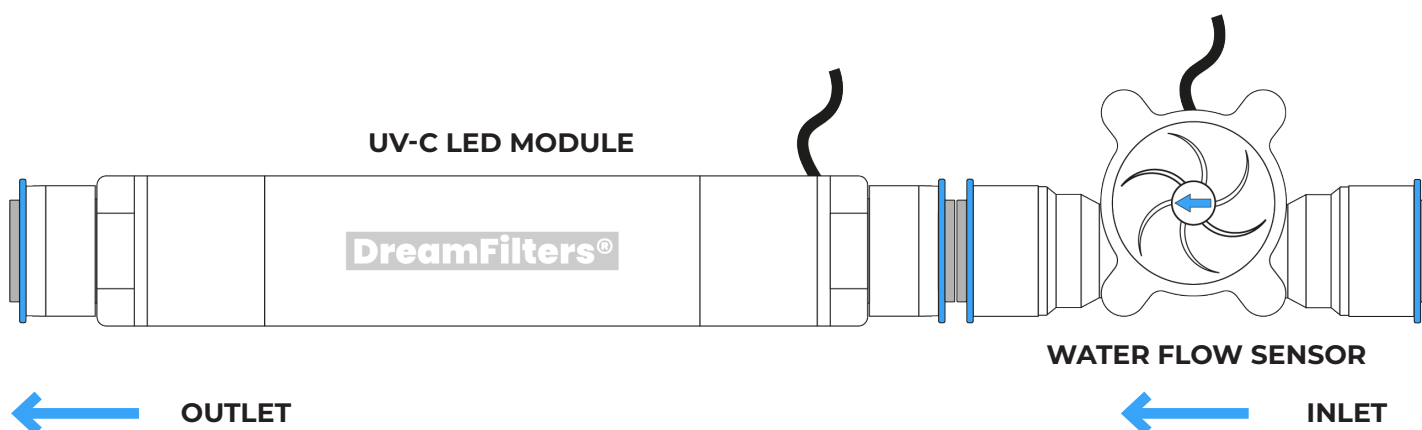
Installation of the module:

The user receives a pre-assembled UV-C LED module with a flow sensor. The set also includes hoses that can be used – if necessary – to connect the module to the user's water installation. Mount the LED UV-C module using the two mounting clamps included in the set at a suitable location in the water line – ideally after the water filter.

Connection of the flow sensor:

The flow sensor included in the set must be installed in the line before the UV-C module. This sensor automatically activates the module when water is flowing, thereby preventing unnecessary operation.

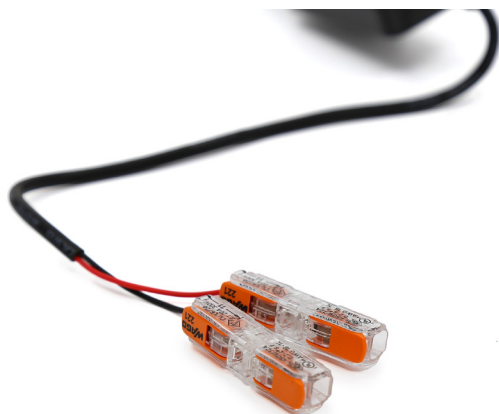
IMPORTANT: Pay attention to the installation direction of the module with the water flow sensor. In the diagram below, the direction of water flow is marked with a blue arrow. In other words: the UV-C LED module is always positioned closer to the water outlet (e.g. kitchen tap), meaning after the flow sensor.



Electrical connection:

The module can be connected directly to a suitable 12V or 24V power source (depending on the model). Ensure correct polarity and, if necessary, protect the circuit with a fuse.

Alternatively, operation via a separate power supply with a 230V connection is possible. For this, only use the power supply recommended by the manufacturer, which has the appropriate output voltage and sufficient protection rating.



DC 12/24V

The cable is equipped with WAGO connectors, allowing for quick and secure connections in the installation, for example in a motorhome.



AC 230V

The power supply for the UV-C LED module allows direct connection to the mains power, which is especially convenient, for example when installed in the kitchen under the sink.

Company headquarters:

Pietka Factory GbR
Schönefelder Dorfstr. 1b
14547 Beelitz

USt-IdNr: DE343072143

CEO:

Wojciech Pietka
Andrzej Pietka

Bank details:

IBAN:
DE04160400000118380500
BIC: COBADE33XXX

Contact information:

Tel: 004917647138428
info@dreamfilters.de
www.dreamfilters.de

Quick connectors of the LED UV-C module



Plug connections in practice

a) To connect the hose, simply push it in until you feel resistance, then place the blue safety ring on.



b) To disconnect the hose from the module, first remove the safety ring. Then **press** the gray ring **evenly** – as shown in the adjacent picture – and pull the hose out. Without evenly pressing the gray ring, the hose cannot be removed.

NOTE: The UV-C LED module and the flow sensor have 3/8-inch quick connectors. If the user's installation requires hoses of different sizes, please do not hesitate to contact us – we will provide the module with suitable reducers or adapters so that it fits perfectly with the specific installation.

Functioning of the UV-C LED module

The UV-C LED module is equipped with three-color LEDs that inform the user about the current status:



The red LED light is on when the module is in standby mode.



The green LED light is on when water flows through the UV-C module and disinfection is taking place, indicating proper functioning of the UV-C module.



The orange LED light is on when the UV module is not functioning properly. This means the UV-C module needs to be replaced.

Technical data:

Voltage:	12V/24V/230V
Rated power:	7W
On/off cycles:	30.000 cycles
Light output	25 mW / per individual LED
LED lifetime:	10,000 hours
Maximum water flow rate:	4-6 liters per minute
Automatic water flow detection:	Yes

Notes on use and disposal:

This device is intended solely for water disinfection and must only be used according to the technical specifications. It is not suitable for use with chemically contaminated or industrially polluted water.

At the end of its service life, the LED UV-C module must be disposed of in an environmentally responsible manner according to applicable local regulations. Electronic components must not be disposed of with household waste.

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