

F 3000 Art. 7926
F 6000 Art. 7927

F 9000 Art. 7928
F 12000 Art. 7929

D Gebrauchsanweisung

UVC-Teichfilter

GB Operating Instructions

UVC-pond filter

F Mode d'emploi

Filtre UVC pour bassin

NL Gebruiksaanwijzing

UVC-vijverfilter

S Bruksanvisning

Dammfilter UVC

I Istruzioni per l'uso

Filtro UVC per laghetti

E Manual de instrucciones

Filtro para estanques UVC

P Instruções de manejo

Filtro para lago UVC

DK Brugsanvisning

Bassinfilter UVC

GARDENA UVC-pond filter F 3000/F 6000/F 9000/F 12000

Welcome to GARDENA aquamotion...



Please read these operating instructions carefully and follow the instructions. Use these instructions to get to know the UVC-pond filter, using it correctly and the safety instructions.



For safety reasons, children and young people under 16 years of age and people who are not acquainted with these operating instructions should not use this UVC-pond filter.

→ Please keep these operating instructions in a safe place.

Contents

1. Range of Uses for Your GARDENA UVC-pond filter	12
2. For Your Safety	12
3. Mode of Operation	14
4. Assembly	15
5. Initial Operation	15
6. Maintenance	16
7. Trouble-Shooting	17
8. Putting out of Operation	18
9. Technical Data	18
10. Accessories	19
11. Service	19

1. Range of Uses for Your GARDENA UVC-pond filter

Purpose

The GARDENA UVC-pond filter is intended for private use in domestic gardens and allotments and should only be used out of doors for cleaning garden ponds with and without fish.

The GARDENA UV Pond Filter cleans the pond water biologically and mechanically and reduces the growth of algae. Algae is bound together and pathogens (particularly in fish ponds) are destroyed.

Please note



The GARDENA UVC-pond filter is not suitable for industrial use or in combination with chemicals, food, easily combustible and explosive substances.

2. For Your Safety

→ Comply with the safety instructions on the UVC unit.



Warning!

→ Read the operating instructions before using the equipment for the first time!

This radiation is harmful to eyes and skin.

→ Never operate the UV unit when the housing has been removed.



Caution!

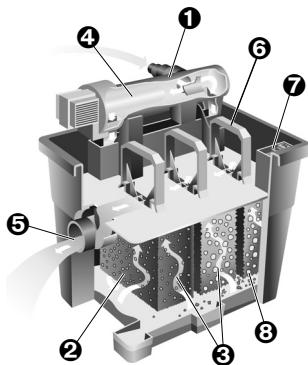
Protect eyes from flash.

Mains connection

The pump and the UVC unit must be operated via a residual-current device (FI-switch) with a nominal fault current $\leq 30\text{ mA}$ (DIN VDE 0100-702 and 0100-738).

→ Please ask your electrician for his advice.

3. Mode of Operation



Example: F 6000

① Water intake

Universal connector for the pump output hose in the pond.

② Mechanical filtering

Dirt in the pond water is retained mechanically by the large outer surface of the foam components in the filter.

③ Biological treatment

The biological treatment of the pond water takes place in two different areas inside the filter foams:

- **In zones where the water has a high flow speed (blue filter sponges):**

This promotes the growth of micro-organisms which guarantee the conversion of ammonia into nitrate via nitrite (nitrification).

- **In zones where the water has a low flow speed (black filter sponges):**

This supports the growth of anaerobic micro-organisms which promote denitrification (reduction of nitrate to nitrogen).

In both areas the inner surface of the filter sponges forms a large breeding ground for micro-organisms.

④ UVC-radiation

The pond water, which has already undergone preliminary treatment, is subjected to short wave UVC-light (ultraviolet rays). During this process, the algal growth is reduced and germs which cause disease in fish ponds are killed.

⑤ Water discharge

Pipe connection through which the treated water flows back.

F 3000 / F 6000	DN 50
F 9000 / F 12000	DN 70

⑥ Mechanical cleaning device

The foam in the filter is washed out simply by pulling repeatedly on the cleaning handles.

⑦ Contamination indicator and overflow protection

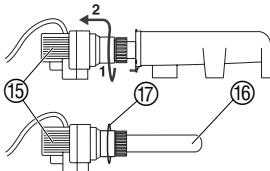
Contamination indicator for simple detection of the need to clean the filter. Degree of contamination of the foam in the filter: 25%, 50%, 75%. If the contamination is even more severe, the water flows through untreated (overflow protection).

⑧ Separate Drainage of Water and Dirt

Drain for sludge and water.

7. Empty the filter container completely and clean under running water.
8. Reassemble filter in reverse order.
9. Start the filter up again
(see **5. Initial Operation "Start up UVC-pond filter"**).

Cleaning the UVC unit:



1. Unplug the mains plug of the UVC unit and pump.
2. Turn the top 15 of the UVC unit anticlockwise 1 and carefully remove 2 (bayonet socket).
3. Clean the glass tube 16 (using liquid glass cleaner, for example).
4. Fit the UVC unit again in reverse order.

When installing, make sure that the O-ring 17 is inserted correctly in the top of the UVC unit 15.

7. Trouble-Shooting



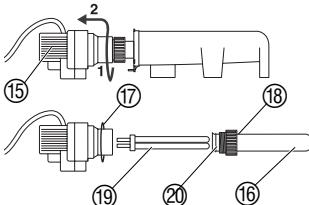
Warning! Electric shock!

→ Before undertaking Trouble-Shooting, unplug the UVC-unit and the pump from the mains!

The UVC bulb should be replaced after approximately 8,000 operating hours since the UVC performance decreases dramatically after this time.

Only bulbs of the type TC-S (UV-C) may be used (e. g. Radium, Philips or Sylvania). The correct UVC-bulb can be ordered from GARDENA Service as a spare part.

Changing the bulb:



1. Unplug the mains plug of the UVC unit and pump.
2. Turn the top 15 of the UVC unit anticlockwise 1 and carefully remove 2 (bayonet socket).
3. Carefully unscrew the ring 18.
4. Pull off the glass tube 16 (It may be relatively difficult to remove the glass tube due to mineral deposits.)
5. Take out faulty bulb 19 and insert new bulb.
6. Reassemble the UVC unit in reverse order.

When installing, make sure that the O-ring 20 fits properly on the glass tube 16 and that the O-ring 17 is inserted correctly in the top of the UVC unit 15.

Due to the integrated safety switch the lamp only comes on when the UVC unit is properly installed.

10. Accessories

GARDENA - Dirt Disposal Kit

For carrying the dirty water to areas away from the pond (e.g. for fertilising plants or if - the filter is buried)

Art. 7926-00.901.00
(available from
GARDENA Service)

11. Service

Guarantee

GARDENA guarantees this product for 2 years (starting from the date of purchase). This guarantee covers all serious defects of the unit that can be proved to be material or manufacturing faults. Under warranty we will either replace the unit or repair it free of charge if the following conditions apply:

- The unit must have been handled properly and in keeping with the requirements of the operating instructions.
- Neither the purchaser or a non-authorised third party have attempted to repair the unit.

The UV lamp and filter sponges are wearing parts and are therefore not covered by the warranty.

This manufacturer's guarantee does not affect the user's existing warranty claims against the dealer/seller.

If you have any problems with your UVC-pond filter, please contact our Customer Service or return the defective unit together with a short description of the problem directly to one of the GARDENA Service Centres listed on the back of this leaflet.

GB

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