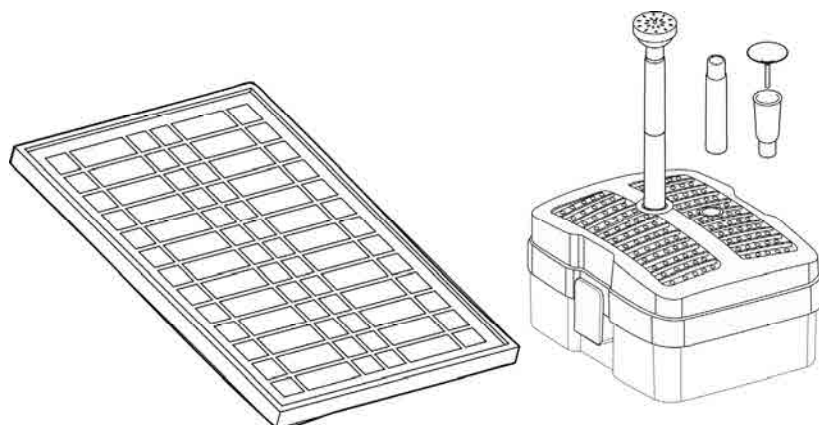


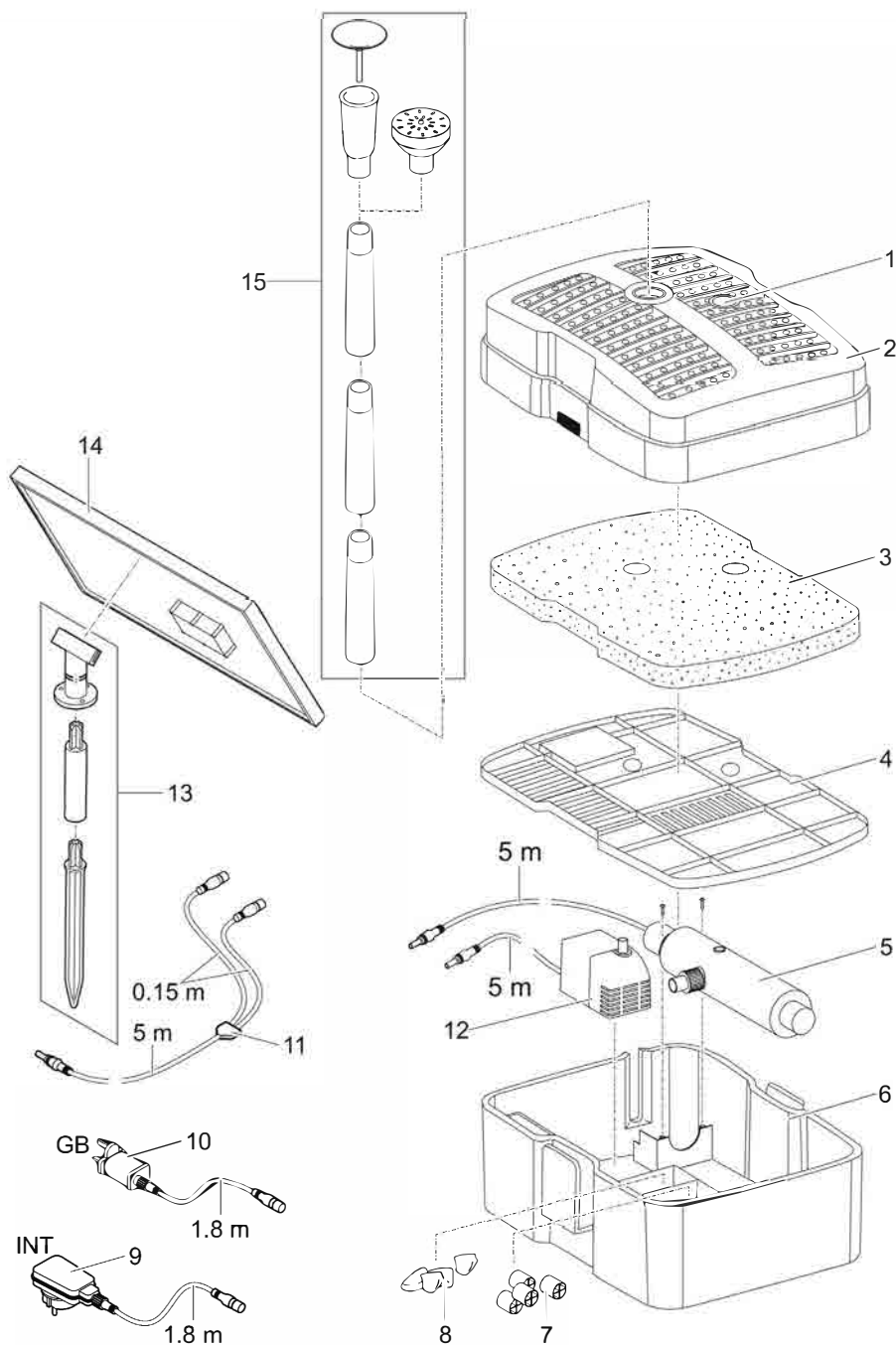


PondoReII 1500 UVC Solar

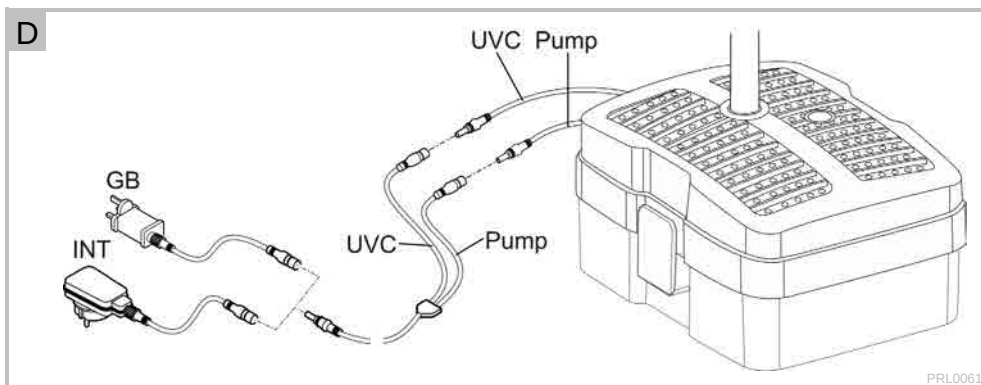
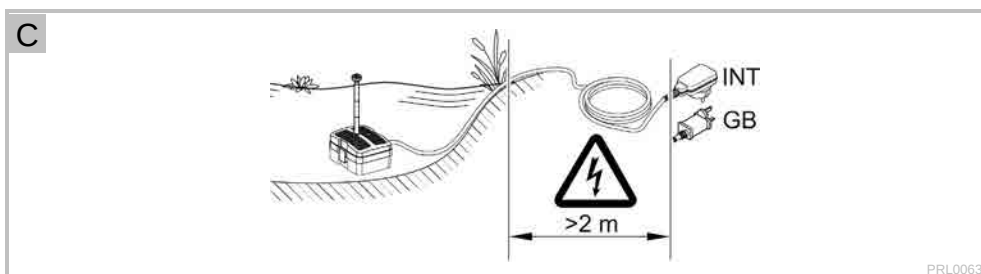
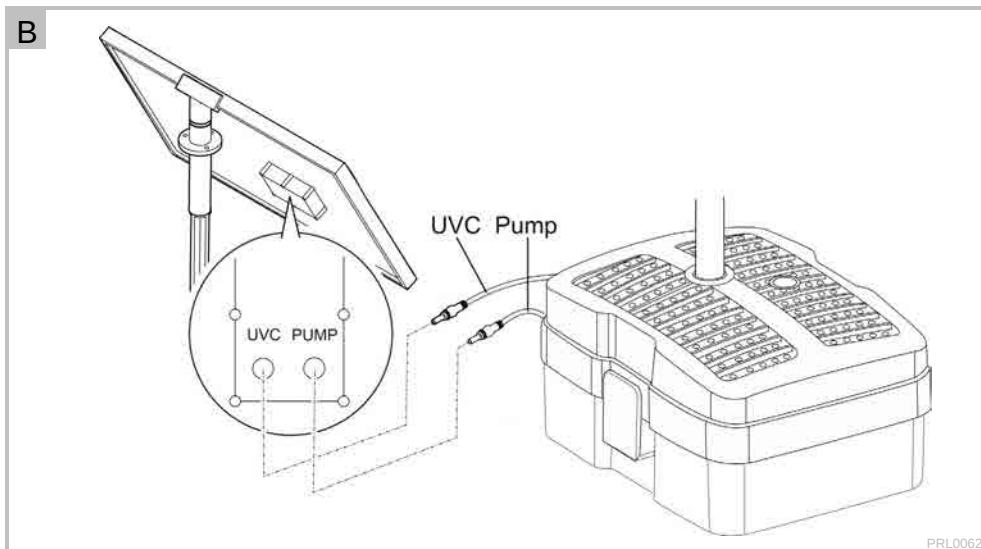


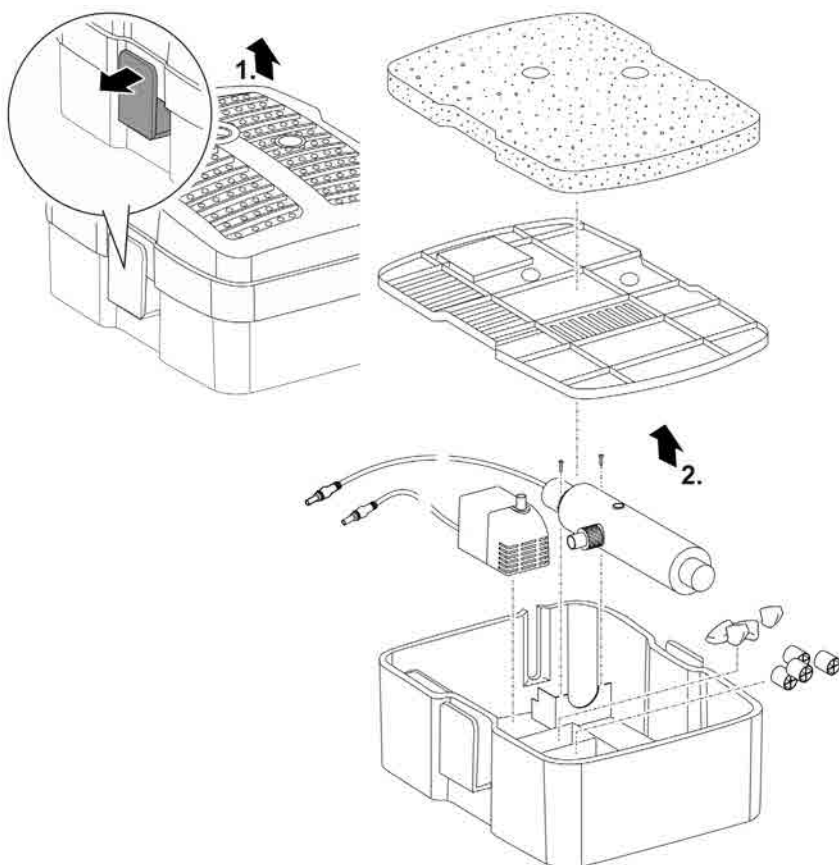


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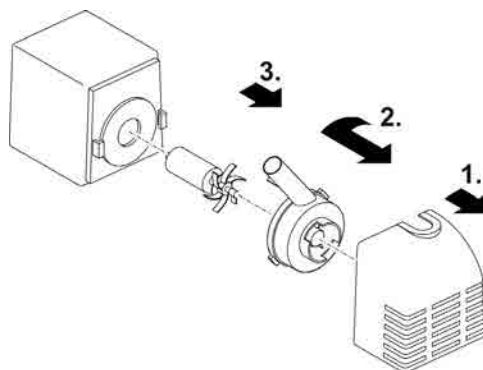


PRL0057



**E**

PRL0060

F

PRL0059

Original manual. This manual belongs with the unit and must always be passed on together with the unit.

Safety information

Electrical connection

- Special regulations apply for electrical installation in outdoor spaces. Only a qualified electrician may perform the electrical installation.
 - The qualified electrician has the necessary professional training, knowledge and experience to perform electrical installation in outdoor spaces. The electrician can detect potential dangers and knows how to adhere to regional and national standards, regulations and directives.
 - For your own safety, please consult a qualified electrician.
- Only connect the transformer or power supply unit to a correctly installed outlet.
- Extension cables and power distributors (e.g. outlet strips) must be suitable for outdoor use (splash-proof).
- Protect open plugs and sockets from moisture.

Safe operation

- This unit can be used by children aged 8 and above and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed on how to use the unit in a safe way and they understand the hazards involved. Do not allow children to play with the unit. Cleaning and user maintenance shall not be carried out by children unless they are aged from 8 years and above and supervised.
- Do not use the unit, if electrical lines or the housing are damaged.
- Dispose of the power pack if the power cable or the housing are damaged. The power cable and the housing cannot be replaced.
- Never pull on electric cables. In particular, never carry units on their cables.
- Route lines in such a way that they are protected from damage and do not present a tripping hazard.
- Never carry out technical changes to the unit.
- Only carry out work on the unit that is described in this manual.
- Only use original spare parts and accessories.

Intended use

Only use the product described in this manual as follows:

- For cleaning garden ponds.
- For creating a water fountain in a pond.
- For operation with clean water.
- While adhering to the technical specifications. (→ Technical data)

The following restrictions apply to the unit:

- Do not use the unit together with chemicals, food, flammable, explosive substances or other liquids aside from water.
- Never run the unit without water.
- Do not use for commercial or industrial purposes.

Product Description

Overview

☐ A	Description
1	Sight glass for checking the function of the UVC clarifier
2	Filter housing, top section
3	Foam filter
4	Cover plate
5	UVC clarifier
6	Filter housing, bottom section
7	Biocarriers (approx. 90 g)
8	Filtration stones (approx. 800 g)
9	Power pack (not for United Kingdom)
10	Power pack (not for United Kingdom)
11	Y-cable for connecting the pump and the UVC clarifier to the power pack
12	Pump
13	Ground stake set
14	Solar module
15	Nozzle set with three nozzle extensions

Properties

PondoReII 1500 UVC Solar is a filtration system for keeping the pond clean.

- The integrated pump transports the water through the filtration system.
- The filter media clean and clarify the water.
- The integrated UVC clarifier removes floating algae, bacteria and germs.
- The nozzle at the filter outlet generates a water fountain, aerating the water.
- Power to the pump and UVC clarifier is supplied either via the solar module or via the power pack.
- If the solar module is used for operation, the power of the pump and UVC clarifier depend on the intensity of sunlight and the alignment of the solar module.

Symbols on the unit

IPX8 	The unit is dust-tight and protected against the results of permanent immersion in water to a depth of 1 m.
IP44	The unit is protected against foreign objects ($\varnothing \geq 1$ mm) and splash water.
	The unit has protection rating II and is protected by double or reinforced insulation.
	The unit has protection rating III. Only operate the unit with safety-low voltage.
	The unit contains a short-circuit-proof safety transformer.
	Switching power pack.
	Dangerous UVC radiation.
	Protect the unit from freezing temperatures.
	Do not dispose of the unit with normal household waste.
	Read the operating instructions.

Installation and connection

The operating duration of the filtration system depends on the desired pond water quality.

- If the sunlight is sufficiently strong, the pumps and UVC clarifier are powered by the solar module.
- If there is insufficient sunlight or it is dark, the pump and UVC clarifier can be powered by the power pack.

How to proceed:

☐ A

1. Assemble the nozzle set and attach it to the pump outlet on the filter housing.
 - The number of nozzle extensions depends on the installation depth of the filter housing in the pond.
2. Install the unit in the pond in a horizontal position on firm, sludge-free ground and ensure that it is completely covered with water.
3. Assemble the ground stake set and attach it to the solar module.
 - Ensure that the connection cable is routed downwards.
4. Install the solar module and fasten it in the floor using the ground stake.
 - Align the solar module to the sun to ensure maximum energy yield.
 - An installation angle of 45° in relation to the sun is ideal.

Operation with solar module

☐ B

- Connect the connecting cables of the pump and the UVC clarifier with the solar module.
 - Push the plug completely into the socket (up to the stop) to ensure that the connection is watertight.
 - Switching on: Connect the pump and UVC clarifier with the solar module.
 - Switching off: Disconnect the pump and UVC clarifier from the solar module.

Operation with power pack

WARNING

The power supply carries dangerous electrical voltage and must not be placed directly near water. Otherwise, there is a risk of serious injury or death from electric shock.

- Install the power supply in a flood-protected position at least 2 m from the water.

☐ C, D

- Use the Y cable to connect the connecting cables of the pump and UVC clarifier with the power pack.
 - Push the plug completely into the socket (up to the stop) to ensure that the connection is watertight.
 - Switching on: Connect the power pack with the socket.
 - Switching off: Disconnect the power pack from the socket.

Maintenance and cleaning

The unit has to be taken out of the water for cleaning or maintenance.

Cleaning the device

- Never use aggressive cleaning agents or chemical solutions. These could attack the housing surface or impair the function.
- Recommended cleaning agent for removing stubborn limescale deposits:
 - Vinegar- and chlorine-free household cleaning agent.

How to proceed:

☐ E

1. On both sides, pull off the clamps by max. 5° and remove the top filter section.
2. Remove the foam filter, filter pump, biomedica elements and gravel.
3. Use a brush to clean the bottom filter section and top filter section under clear water.
4. Wash out the filter media (foam filters, biomedica elements and gravel) under running water.
 - Do not use chemical cleaning agents, as they would kill the micro-organisms in the filter media and would therefore reduce the filtration effect.
5. Carefully clean the UVC clarifier from the outside using a soft brush.
 - The UVC clarifier can be dismantled. If the filter capacity is insufficient, the UVC clarifier must be replaced.

Cleaning the pump

How to proceed:

☐ F

1. Pull the filter housing from the pump.
2. Remove the cover of the impeller unit (bayonet closure)
3. Pull out the impeller unit and clean or replace.
4. Reassemble the unit in the reverse order.

Wear parts

- Impeller unit
- Foam filter
- UVC lamp

Storage/winter protection

Shut down the unit at water temperatures below +4 °C or at the latest when freezing temperatures are expected.

- Thoroughly clean the unit.
- Check the unit for damage and replace damaged components.
- Store the unit in a dry and frost-free place.

Malfunction remedy

Malfunction	Possible cause	Remedy
Pump does not run	No supply voltage	- Check the pump/solar module plug connection - Check the pump/power pack plug connection
	The impeller unit is blocked.	Clean pump
	The solar module is soiled.	Clean the solar module
	Insufficient sunlight	Connect the pump to the power pack
	Pump is defective	Replace the pump.
UVC clarifier is not lit	No supply voltage	- Check the UVC clarifier / solar module plug connection - Check the UVC clarifier / power pack plug connection
	The solar module is soiled.	Clean the solar module
	Insufficient sunlight	Connect the UVC clarifier to the power pack
	UVC clarifier is defective	Replace UVC clarifier
Delivery or fountain height insufficient or not consistent, Cloudy water	The nozzle unit is clogged.	Remove and clean the nozzle unit.
	Intake openings blocked	Clean the filter housing.
	Foam filters soiled	Clean filter media
	The impeller unit is worn.	Replace the impeller unit.
	Pond extremely dirty	Remove algae and leaves from the pond, change the water

Technical data

Filter housing	Dimensions		Length	mm	280
			Width	mm	190
			Height	mm	120
	Weight			kg	2.3
Power pack	PRI	Connection voltage	V AC		100 ... 240
		Mains frequency	Hz		50/60
	SEC	Output voltage	V DC		12
		Max. power output	W		12
	Protection type				IP44
	Weight			kg	0.12
Solar module	Max. output voltage		V DC		12
	Max. power output		W		15
	Protection type				IP44
	Dimensions	Length	mm		440
		Width	mm		290
	Weight			kg	1.3
Pump	Connection voltage		V DC		12
	Max. power consumption		W		5
	Protection type				IPX8
	Maximum submersion depth		m		1
	Max. pump capacity		l/h		900
	Max. pump head		m		1.4
	Permissible water temperature		°C		+4 ... +35
UVC clarifier	Connection voltage		V DC		12
	Max. power consumption		W		5
	Protection type				IPX8
	Maximum submersion depth		m		1
	Permissible water temperature		°C		+4 ... +35

Disposal

NOTE

Do not dispose of this unit with household waste.

- ▶ Dispose of the unit by using the return system provided for this purpose.
 - ▶ Should you have questions, please contact your local disposal company. They will give you information on how to correctly dispose of the unit.
 - ▶ Render the unit unusable by cutting the cables.
-

Guarantee conditions

PfG grants a 2 year guarantee from the date of sale on proven material and manufacturing faults. Wear parts such as bulbs etc. are exempted from the guarantee. Prerequisite for our guarantee is the presentation of the purchase receipt. Our guarantee will become null and void if the unit is misused, electrically or mechanically damaged by inappropriate use and improper repair by non-authorised workshops. Repairs are reserved for workshops authorised by PfG or by PfG itself. In the case of warranty claims, please return the defective unit or part freight paid to PfG together with a description of the fault and the purchase receipt. PfG reserves the right to invoice repair costs. PfG is not liable for transport damage. Any damage must be claimed against the carrier. Further claims of whatever type, especially consequential damage, are excluded. This guarantee does not affect the final customer's claims against the dealer.

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