

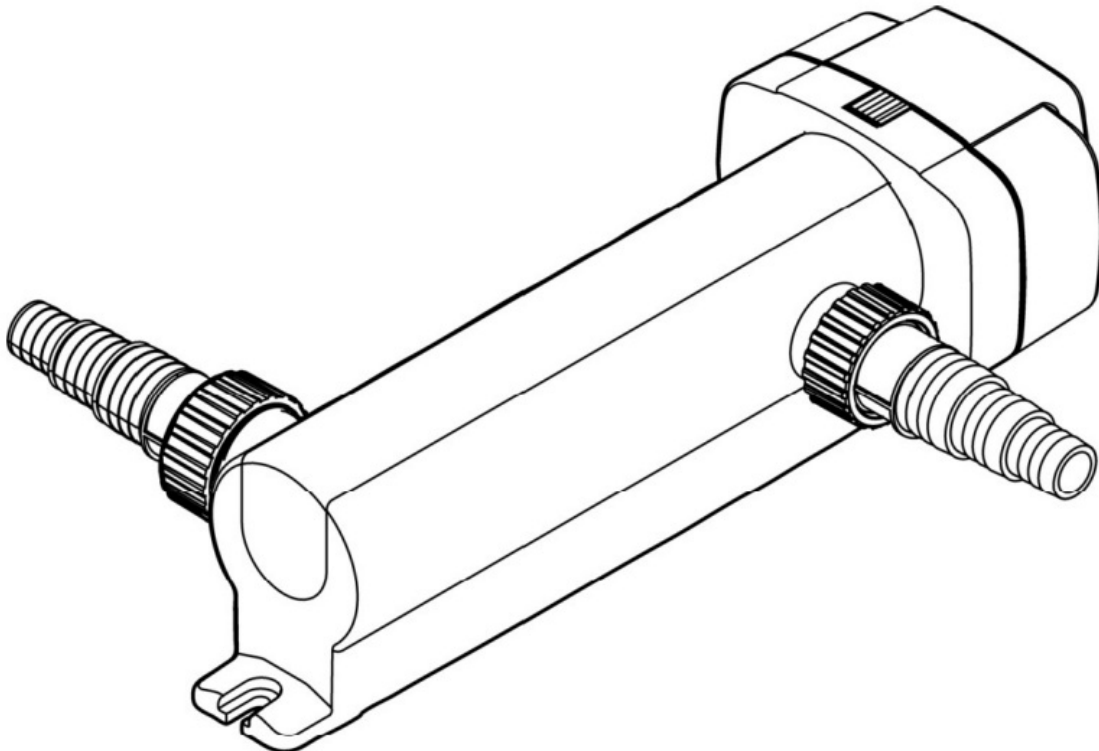


pontec PondoTronic UVC 18/24 Device Instruction Manual

[Home](#) » [pontec](#) » pontec PondoTronic UVC 18/24 Device Instruction Manual 



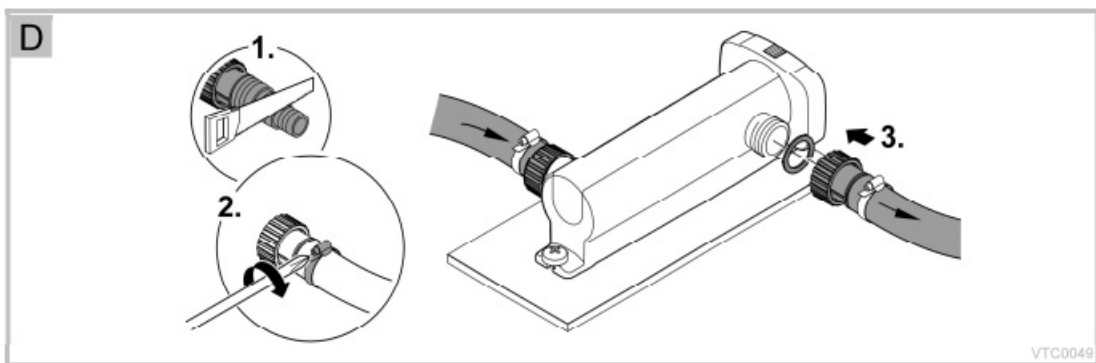
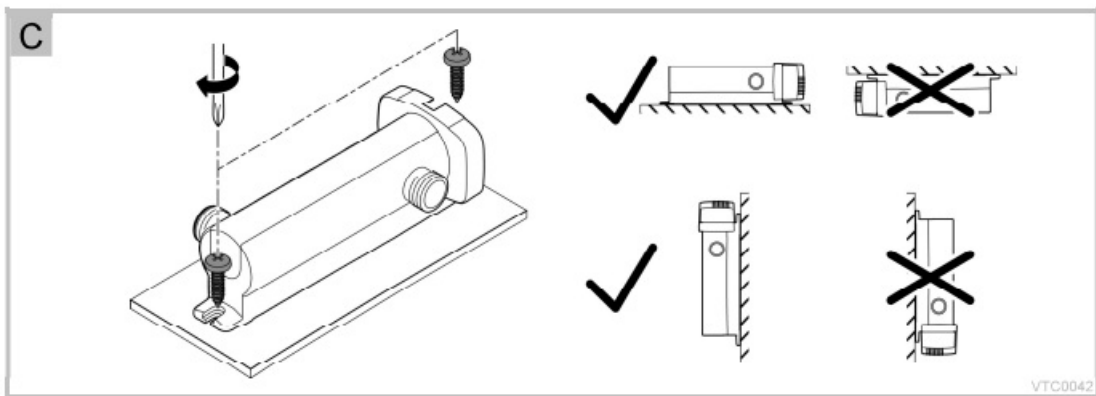
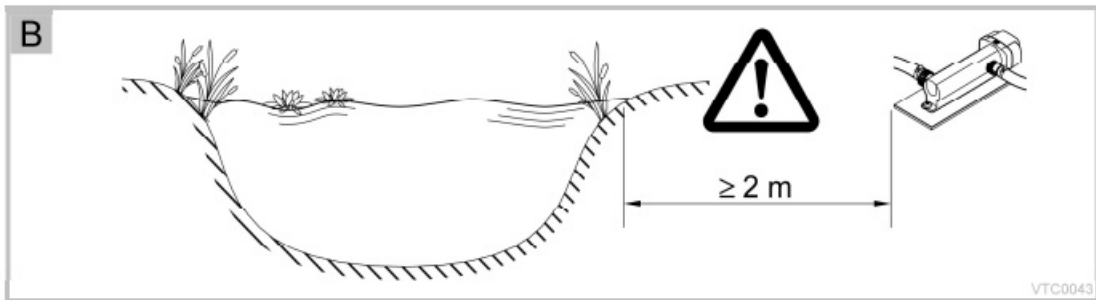
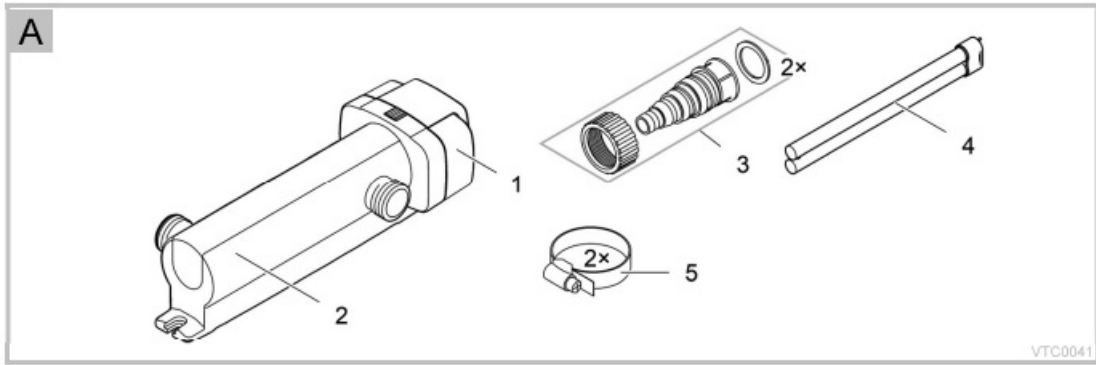
PondoTronic UVC 18/24 Device
Instruction Manual

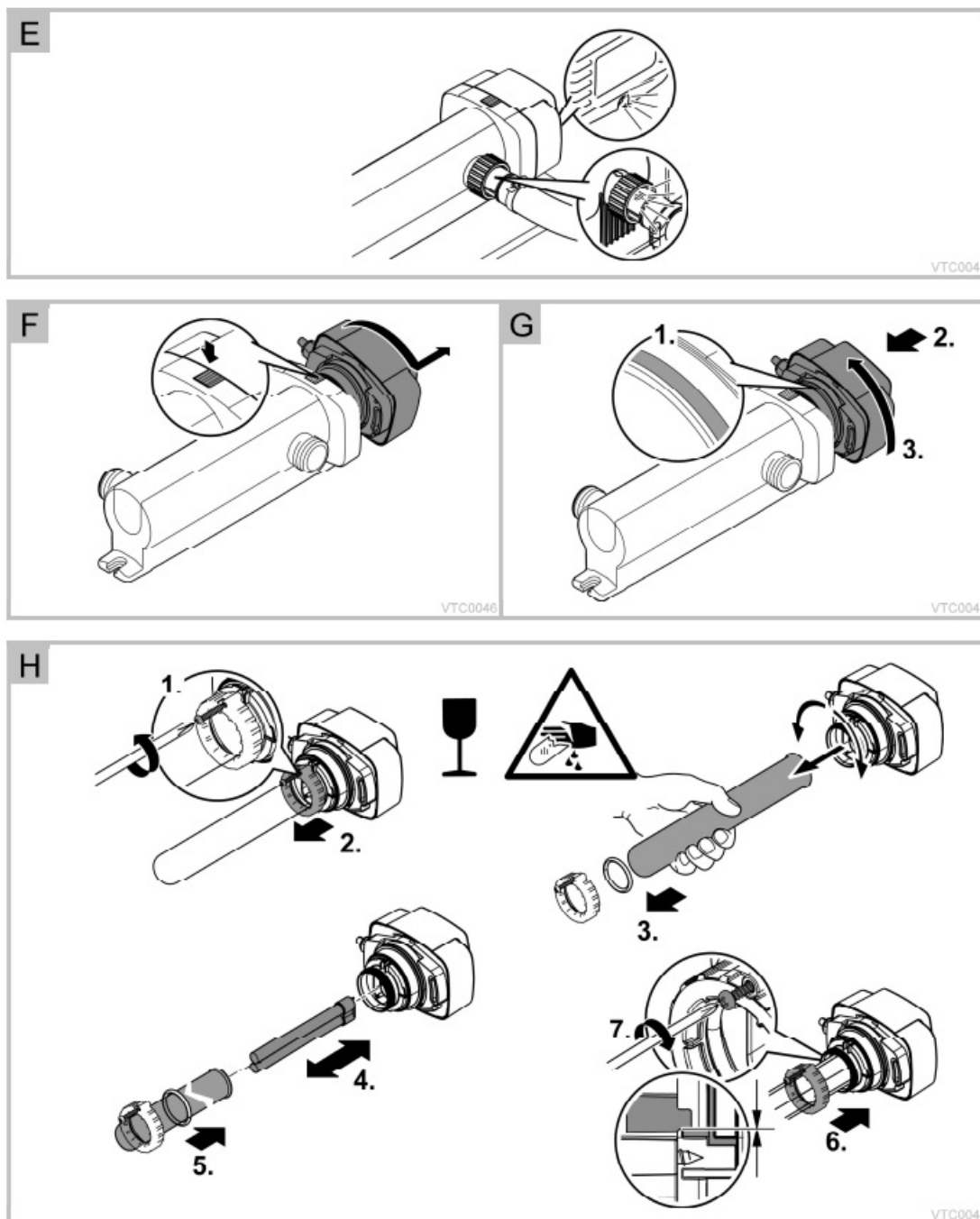


Contents

- [1 PondoTronic UVC 18/24 Device](#)
- [2 WARNING](#)
- [3 Safety information](#)
- [4 Safe operation](#)
- [5 Intended use](#)
- [6 Product Description](#)
- [7 Installation and connection](#)
- [8 Maintenance and cleaning](#)
- [9 Malfunction remedy](#)
- [10 Technical data](#)
- [11 Documents / Resources](#)
- [12 Related Posts](#)

PondoTronic UVC 18/24 Device





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

WARNING

- Disconnect all electrical devices in the water from the power supply before reaching into the water. Otherwise there is a risk of severe injuries or death by electrocution.
- 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. Only allow children to carry out cleaning and user maintenance under supervision.

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 unit if the electrical data of the unit and the power supply match.
- Only plug the unit into a correctly installed outlet. Ensure that the unit is fused for a rated fault current of max. 30 mA by means of a fault current protection device
- 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

- Do not use the unit, if electrical lines or the housing are damaged.
- Dispose of the unit if its power connection cable is damaged. The power connection cable cannot be replaced.
- Do not carry or pull the unit by its power cable.
- 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 operation with clean water.
- While adhering to the technical specifications. (. Technical data)

The following restrictions apply to the unit:

- This product is not suitable for general lighting, but is only intended for the purpose described here.
- Never operate the UVC lamp outside the casing or use it for any other purposes. The UVC radiation is harmful to the eyes and skin even in small doses.
- Do not use for commercial or industrial purposes.
- Never run the unit without water.
- Never use the unit with fluids other than water.
- Not to be used for sterilising drinking water or other fluids.
- Do not use in conjunction with chemicals, foodstuff, easily flammable or explosive substances.

Product Description




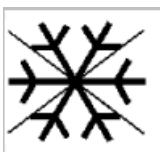


Scope of delivery

 A	PondoTronic UVC 18/24
1	Unit head
2	Casing
3	Transparent stepped hose adapter with union nut and flat seal For hose diameter 19 ... 38 mm
4	UVC lamp
5	Hose clip 20 ... 50 mm

Properties

The UV radiation of the UVC clarifier removes suspended algae, bacteria and germs. The UVC clarifier is integrated in the water circuit, ideally upstream of a pond filter.

Symbols on the unit

IP 24	The unit is protected against splash water and against contact with dangerous components.
	Dangerous UVC radiation.
	Protect the unit from direct sunlight.
	The lamp is suitable for direct fastening to normally flammable mounting surfaces.
	Protect the unit from freezing temperatures.
	Do not dispose of the unit with normal household waste.
	Read the operating instructions.

Installation and connection

Prerequisite

- The unit head is removed. (— Dismantling the unit head)

Installing the unit

How to proceed: B, C

- Install the unit at least 2 m from the edge of the pond.

- Only install the unit in the permitted positions. This ensures fault-free operation.
- Allow sufficient space for carrying out maintenance work.
- Reinstall the unit head after screwing the casing to the ground. Fitting the unit head)

Establishing the connections

How to proceed:

1. Shorten the stepped hose adapter to the diameter of the hose used if necessary.
 - This reduces pressure losses.
2. Slip the hose clip over the hose, fit the hose onto the hose connector and secure with the hose clip.
 - In the case of a stepped hose adapter with separate union nut, first push the union nut over the hose
3. Connect the stepped hose adapter with seal to the casing.
 - Connect the inlet and outlet.
 - Hand tighten the stepped hose adapter.

Commissioning/start-up Prerequisite

- First switch on the pump, then the UVC clarifier.
- Check all connections for leaks.

Switching ON/switching OFF

- Switching on: Plug the power plug into the outlet. — The unit switches on immediately.
- Switching off: Pull the power plug from the outlet.

Check the function. E

- The function display is lit when the UVC lamp is switched on.

Maintenance and cleaning

NOTE

Do not use aggressive cleaning agents or chemical solutions. These agents can damage the housing, impair the function of the device and harm animals, plants and the environment.

- Only clean the unit from the outside with clear water and a soft brush.
- Recommended cleaning agent for removing stubborn limescale deposits: — Vinegar- and chlorine-free household cleaning agent.

Dismantling the unit head



CAUTION

The ultra-violet radiation of the INC lamp can damage your eyes and skin.

- Never operate the UVC lamp outside its housing.
- Disconnect the unit from the mains before starting maintenance or before replacing the WC lamp.



CAUTION

The quartz glass and WC lamp could break and result in cuts.

- Carry out all work on the UVC clarifier awfully to avoid cutting injuries.
- Avoid vibrations. Impacts and hectic movements to prevent the breaking of glass.

How to proceed: F

- Push down the snap-fit hook. then turn the unit head eouMer-clockwise up to the stop and earefully pug the unit head out of the casing. (1) For safety reasons. the UVC lamp can only be fumed on vitsen the WC clalifier is properly installed into the de-vice.

Fitting the unit head

How to proceed: G

1. Check the 0-ring on the unit head for correct fit — Clean the Owing, replace it if rt is damaged.
2. Carefully push the unit head into the casirsg up to the stop Wile applying slight pressure. — Wine doing so. slightly turn the unit head to ensure that the tenons and the grooves of the bayonet closure mesh.
3. Tum the wit head clockwise up to the stop.

Cleaning the quartz glass I replacing the INC lamp Replace the UVC lamp after no more than 8000 operating hours. With constant operation, this corresponds approxi-mately to one pond season. This ensures optimum filtering performance.



CAUTION

The quartz glass and INC lamp could break and result in cuts.

- Carry out all work on the UVC clarifier way to avoid cutting Inlurles.
- Avoid vibrations. impacts and hectic movements to prevent the breaking of glass.

Prerequisite

- The unit head is removed. (— Dismantling the unit head)
- Only use UVC lamps. the identification and power data of which correspond to the information on the type plate. (— Technical data) How to proceed: H
- Loosen the self-tour:Mg screw until the the screw tip is sunk into the casing of the clamping screw.
- Carefully remove the quartz glass by puling it forward with a slight turning movement.
- Carefully push the quartz glass with the 0-ring as far as the stop in the unit head during installation. — Ensure that the 0 ring is located in the gap between the unit head and the quart glass.
- Tighten the clamping screw up to the strop.
- Wipe the quartz glass with a damp cloth to remove MO and fingerprints.
- On completion of the work, fit the unit head. (—Fitting the wit head)

Storage/winter protection

If the ambient temperature leaves the permissible temperature range, uninstall the unit. Technical data) • Store the unit in a dry and frost-free place.

Malfunction remedy

Malfunction	Cause	Remedy
The performance of the unit is not satisfactory	The water is extremely soiled.	Remove algae and leaves from the pond.
		Change water
	The quartz glass is soiled.	Clean the quartz glass.
	The UVC lamp capacity is exhausted.	The lamp must be replaced after 8000 operating hours.
	Flow rate is too high.	Reduce the pump capacity.
The UVC lamp is not lit	Power plug not connected	Connect the power plug.
	The UVC lamp is defective	Replace the UVC lamp.
	Connection defective	Check the electrical connection

Technical data

Description			PondoTronic UV C 18	PondoTronic UVC 24
Connection voltage		V AC	220-240	220-240
Mains frequency		Hz	50/60	50/60
Power consumption		W	18	24
Length of power cable		m	5	5
Protection type			IP24	IP24
Permissible water temperature range		°C	+4 ... +35	+4 ... +35
Maximum permissible flow rate		l/h	3500	4500
Max. permissible operating pressure		bar	0.6	0.6
UVC lamp	Type		18 W TC-L (UV-C)	24 W TC-L (UV-C)
Dimensions	Length	mm	460	460
	Width	mm	150	150
	Height	mm	130	130
Weight		kg	2	2

Wear parts

- UVC lamp, quartz glass and O ring for quartz glass

Disposal NOTE



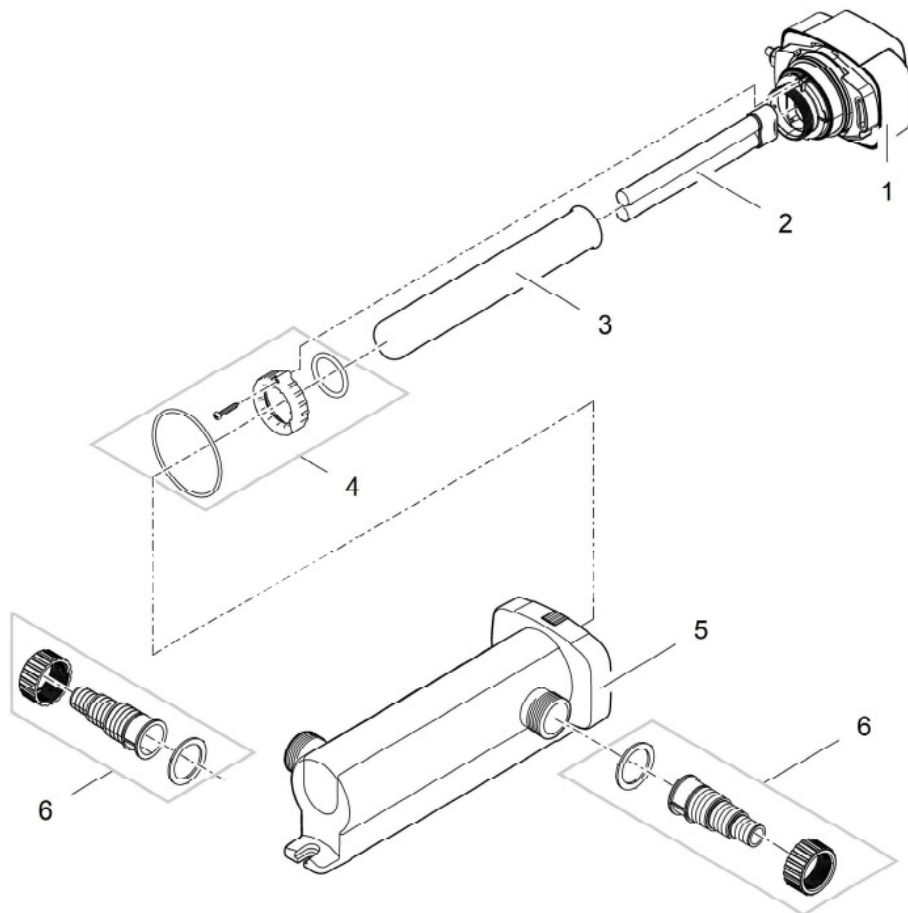
Do not dispose of this unit with household waste.

- Dispose of the UVC lamp and the unit by using the return system provided for this purpose.
- 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 de-scription 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 conse-quential damage, are excluded. This guarantee does not affect the final customer's claims against the dealer.

Pos.	PondoTronic 18	UVC 24
1	356:19	22219
2	92611	92612
3	11440	11440
4	15748	15748
5	91875	91875
6	35877	35877




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Documents / Resources

 <p>PondoTronic UVC 18/24</p> 	<p>pontec PondoTronic UVC 18/24 Device [pdf] Instruction Manual 90324, 2626911, Pontec 90324 UVC Device incl UVC Pond Clarifier, PondoTronic UVC 18 24 D evices, PondoTronic UVC 18 24</p>
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