



scheppach PFS8000 Pond Pressure Filter Complete Set Instruction Manual

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Product Information





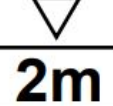


The Art. № 5905801901 Ausgabe№ 5905801901_0301 Rev.№ 10/01/2022 PFS8000 is a pond pressure filter set designed to filter the water in garden ponds. It comes with a filter tank, twist-clean feature, cover, switch, outlet and inlet hoses, pump, and filter cartridge. The filter tank has a volume of 9.5 liters and is equipped with a UV-C lamp to kill harmful bacteria and algae. The maximum water flow rate is 2500 liters per hour, and the maximum water temperature is 2 degrees Celsius. The product weighs 5.5 kg and has an IPX8 rating.

Product Usage Instructions

1. Read the user manual carefully before using the product.
2. Check the product for any visible damages before use.
3. Ensure that the product is placed on a stable and level surface.
4. Connect the pump to the outlet hose and place it in the pond.
5. Connect the inlet hose to the filter tank's inlet and the outlet hose to the filter tank's outlet.
6. Connect the UV-C lamp to the filter tank.
7. Connect the power cord to a grounded electrical outlet.
8. Turn on the power switch to start filtering the water.
9. Check the filter cartridge regularly and replace it when necessary.
10. To clean the filter cartridge, turn off the power, remove the cartridge, and rinse it with clean water.
11. To replace the UV-C lamp, turn off the power, remove the cover, and follow the instructions in the user manual.
12. Store the product in a dry and safe place after use.
13. Dispose of the product and its components according to local regulations.

Explanation of the symbols on the device

Symbols are used in this manual to draw your attention to potential hazards. The safety symbols and the accompanying explanations must be fully understood. The warnings themselves will not rectify a hazard and cannot replace proper accident prevention measures.

	Warning - Read the operating manual to reduce the risk of injury.
	Filter performance with fish in pond
	Filter performance with no fish in pond
	Maximum water temperature
	Maximum operating immersion depth
IPX8	Protection category
	The product complies with the applicable European directives.
 Attention!	We have marked points in this operating manual that impact your safety with this symbol.

Introduction

Manufacturer:

- Scheppach GmbH
- Günzburger Straße 69
- D-89335 Ichenhausen

Dear Customer

We hope your new tool brings you much enjoyment and success.

Note:

In accordance with the applicable product liability laws, the manufacturer of this device assumes no liability for damage to the device or caused by the device arising from:

- Improper handling
- Failure to comply with the operating manual,
- Repairs carried out by third parties, unauthorised specialists
- Installing and replacing non-original spare parts,
- Improper use
- Failures of the electrical system in the event of the electrical regulations and VDE provisions 0100, DIN 57113 / VDE 0113 not being observed

Note:

Read the whole text of the operating manual before assembly and commissioning. This operating manual should help you to familiarise yourself with your device and to use it for its intended purpose. The operating manual includes important instructions for safe, proper and economic operation of the device, for avoiding danger, for minimising repair costs and downtimes, and for increasing the reliability and extending the service life of the device. In addition to the safety instructions in this operating manual, you must also observe the regulations applicable to the operation of the device in your country. Keep the operating manual at the device, in a plastic sleeve, protected from dirt and moisture. They must be read and carefully observed by all operating personnel before starting the work. The device may only be used by personnel who have been trained to use it and who have been instructed with respect to the associated hazards. The required minimum age must be observed. In addition to the safety instructions in this operating manual and the separate regulations of your country, the generally recognised technical rules relating to the operation of such machines must also be observed. We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

Device description



1. Filter tank
2. Locking mechanism
3. Twist-clean
4. Cover

5. Rotary switch
6. Filter outlet
7. Filter inlet
8. Hose
9. Pump outlet
10. Pump
11. Sight glass
12. Filter drain
13. Clogging indicator
14. Filter element

Scope of delivery



- a. Pump
- b. Hose
- c. Pressure filter
- d. Pump connection 3/4"

- e. 3 x hose clamp
- f. 2 x union nut
- g. 2 x sealing ring
- h. 2 x filter connection 1”
- i. 2 x filter connection 3/4”
- j. Twist-clean crank
- k. Operating manual

Proper use

The machine may only be used in the intended manner. Any use beyond this is improper. The user/operator, not the manufacturer, is responsible for damages or injuries of any type resulting from this. An element of the intended use is also the observance of the safety instructions, as well as the assembly instructions and operating information in the operating manual. Persons who operate and maintain the machine must be familiar with it and must be informed about potential dangers. In addition, the applicable accident prevention regulations must be strictly observed. Other general occupational health and safety-related rules and regulations must be observed. The device is intended for mechanical and biological cleaning of garden ponds. The UVC lamp built into the device is used to kill algae and bacteria in the pond water. Its radiation is hazardous to the eyes and skin even in small doses. The UVC lamp should never be used in a defective housing or outside its housing or for other purposes. The following restrictions apply to the device:

- Never pump liquids other than water.
- Never operate the device without water flowing through it.
- Do not use for commercial or industrial purposes.
- Do not use in conjunction with chemicals, foodstuffs, highly flammable or explosive substances.

The liability of the manufacturer and resulting damages are excluded in the event of modifications of the machine. The machine may only be operated with original parts and original accessories from the manufacturer. The safety, operating and maintenance specifications of the manufacturer, as well as the dimensions specified in the technical data, must be observed. Please note that our equipment was not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the device is used in commercial or industrial applications, or for equivalent work. The device is intended for use by adults. Children under the age of 16 may only use the device when supervised. The manufacturer is not liable for damage caused by improper use or incorrect operation.

General safety instructions

WARNING – Read all safety information, instructions, illustrations and technical data for this electric tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

- Dangerous ultraviolet radiation. The rays of the UVC lamp are harmful to the eyes and skin. Never use the lamp outside its housing!
- The pond pressure filter must be set up at least two metres away from the pond to prevent it from falling in or a surge of water from the pond from damaging the device.
- The external pump must be switched on before the UVC lamp and the lamp should never be switched on without water flowing through it, as this could damage the device.
- Extension cables and power cables must be inspected regularly. Defective cables or cables not designed for this purpose must not be used.

- The mains cable of this device cannot be replaced. If the cable has been damaged, the device must be scrapped.
- If the device shows signs of damage, it must not be put into operation and must be repaired by a qualified individual.
- Do not use the device while people are in the water.
- If the device will not be used for a long period of time, it must be stored in a dry place and protected from other weather influences.
- The built-in temperature sensor automatically switches off the UV lamp if overheating occurs. It is also switched on again after the temperature has returned to a normal level.
- Never open the housing or the lamp unless this is explicitly stated in these instructions! Failure to comply may result in injury and damage to the device.
- This device may only be connected to a mains supply with the appropriate current consumption.
- In accordance with regulations, this device must be connected to a 230 V, 50 Hz protective contact socket. To this end, refer to the information on the type plate.
- Ensure that the device is supplied via a residual current device (RCD) with a rated current of no more than 30 mA.
- For your own safety, consult an electrician if you are unsure about connecting the electrical parts.
- Make sure that the sockets and their connections are protected against flooding and moisture.
- The installation site must have a drain for accumulated water or be elevated so that flooding cannot occur.
- Ensure that the device, as well as all connectors and extension cables, are protected from splashing water.
- Always disconnect all connectors before carrying out any work on the filter or pump.
- Never submerge the filter in the water.
- When used outside, never use connectors, adapters, extensions or connecting cables that have not been approved for outdoor use.
- Never pull or carry the device by the power cable. Do not allow the power cable to come into contact with sharp objects or heat.
- Place the cables in such a way that they do not get in the way and are not susceptible to damage.
- After assembling the set, the connectors of the devices must always be immediately accessible. To ensure they can always be disconnected immediately in case of an emergency, they must not be permanently attached or built into the device.
- Only operate the filter with hoses that are designed for a pressure of at least 0.3 bar or that match the maximum pressure of the pump.
- Check and clean the drain to the pond at regular intervals. It should remain free of debris at all times, otherwise there could be an increase in pressure, which could cause the pond to leak and run dry.
- All open connections of the hoses must be sealed with a sealing cap while the filter is operated in "filter mode".
- Before switching on the filter, ensure that all connections have been made correctly and that all connections are tight.
- Never filter liquids other than water!
- In case of frost (or if frost is anticipated), you must remove the filter and pump and store them in the manner described later.
- Position the filter in such a way that it is not exposed to direct sunlight.
- These devices must not be operated by persons (including children) with impaired physical, sensory or mental capabilities, or who have insufficient experience and/or insufficient knowledge unless they are being

supervised by a person who is responsible for their safety or they are receiving instruction about how the devices are to be used.

- Children must be supervised if it is possible for them to get close to the devices. They must be prevented from playing with it.
- The device may only be used by persons who are familiar with the device or who have read and understood this operating manual beforehand.
- The outdoor electrical equipment that you use to operate the device must comply with the applicable safety regulations. The term “electric tool” used in the safety instructions refers to mains-powered electrical tools (with a mains cable) and battery-powered electrical tools (without a mains cable).

Warning! This power tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the power tool.

Residual risks

The machine has been built according to the state-of-the-art and the recognised technical safety requirements. However, individual residual risks can arise during operation.

- Health hazard due to electrical power, with the use of improper electrical connection cables.
- Furthermore, despite all precautions having been met, some non-obvious residual risks may still remain.
- Residual risks can be minimised if the “Safety Instructions” and the “Intended Use” together with the operating manual as a whole are observed.
- Avoid accidental starting of the machine: the operating button may not be pressed when inserting the plug in an outlet. Use the tool attachment that is recommended in this operating manual. This is how to ensure that your machine provides optimum performance.
- Keep your hands away from the working area when the machine is in operation.

Technical data

Filter	
Connection	220-240V / 50Hz
UVC lamp power rating	11 W
Filter tank volume	9.5 l
UVC lamp holder	G23
Inlet/outlet thread	1"
Pump	
Connection	220-240V / 50Hz
Power	43 W
Max. delivery flow	2500 l/h
Max. delivery height	2 m
Max. submersion depth	2 m
Protection category	IPX8
Min./max water temperature	4°C / 35°C
Length of mains connection cable	10 m
Weight	5.5 kg

Technical changes reserved!

Unpacking

- Open the packaging and carefully remove the device.
- Remove the packaging material, as well as the packaging and transport safety devices (if present).
- Check whether the scope of delivery is complete.
- Check the device and accessory parts for transport damage. In the event of complaints the carrier must be informed immediately. Later claims will not be recognised.
- If possible, keep the packaging until the expiry of the warranty period.
- Familiarise yourself with the product by means of the operating instructions before using for the first time.
- With accessories as well as wearing parts and replacement parts use only original parts. Replacement parts can be obtained from your dealer.
- When ordering please provide our article number as well as type and year of manufacture for your equipment.

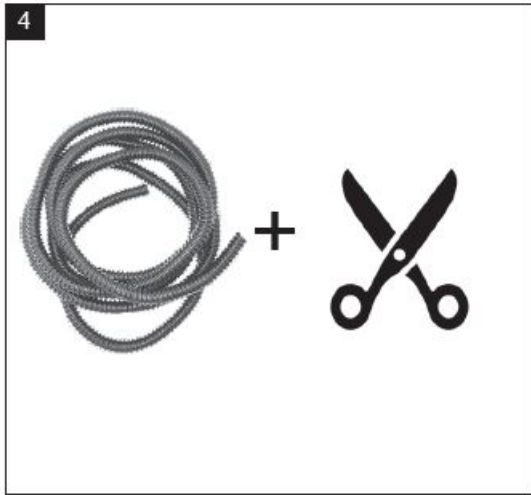
WARNING!

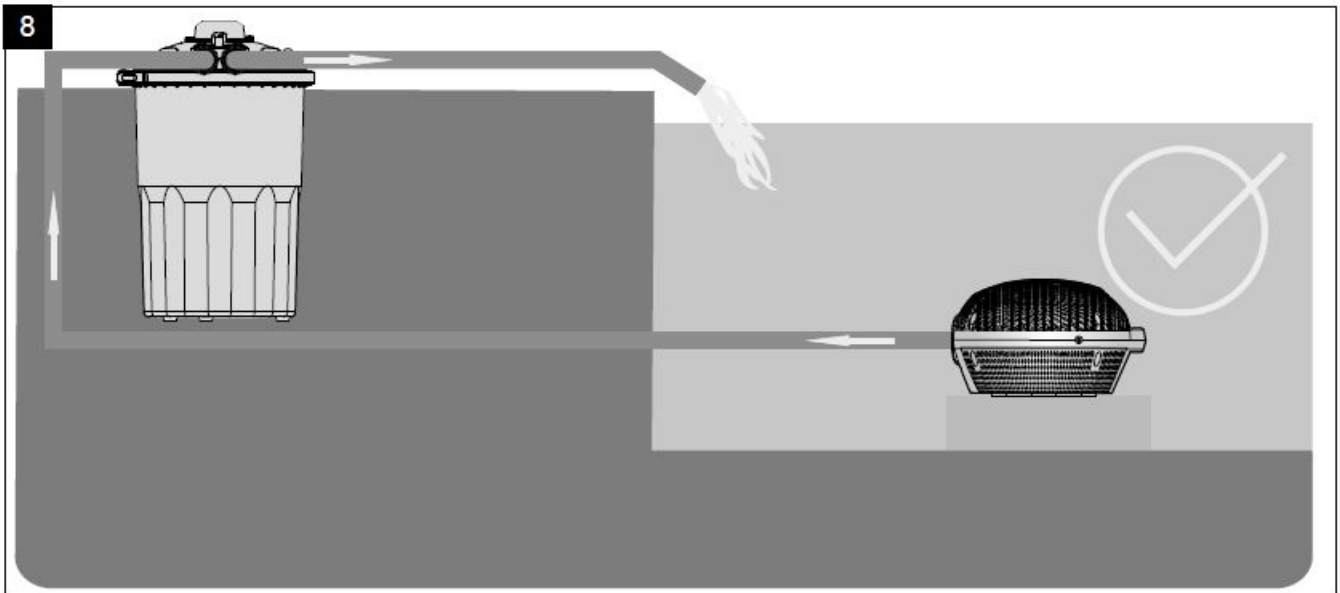
The device and the packaging material are not children's toys! Do not let children play with plastic bags, films or small parts! There is a danger of choking or suffocating!

Layout

Warning!

Always pull out the mains plug before carrying out adjustments on the device.





1. Connect the twist-clean crank (j). (Fig.2)
2. Fit the desired filter connection (h or i) using the seal (g) and the union nut (f). (Fig. 2)
3. Screw the pump connection (d) onto the pump (a). (Fig. 3)
4. Cut the hose (b) according to your needs. (Fig. 4)
5. Attach one end of the hose to the pump connection (d) using the hose clamp (e). (Fig. 5)
6. On the filter inlet side (7), attach the other end of the hose to the filter connection attached previously (h or i) using the hose clamp (e). (Fig.6)
7. If you wish, attach the remaining hose to the filter connection (h or u) on the filter outlet side (6) using the hose clamp (e). (Fig. 7)
8. Position the pressure filter (c) above the pump position. The hose of the filter outlet must not protrude into the water. (Fig. 8)
9. Insert the pump (a) into the water. The pump must be positioned below the pressure filter. (Fig. 8)

Start up

Attention!

Always make sure the device is fully assembled before commissioning!

Attention!

The pump must be switched on before the filter, otherwise the device is at risk of damage. Switching on the device

1. Connect the mains plug of the pump. The device starts up immediately.
2. Set the rotary switch (5) to "Run".
3. Connect the mains plug of the pressure filter.

Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions. The customer's mains connection as well as the extension cable used must also comply with these regulations. Damaged electrical connection cable The insulation on electrical connection cables is often damaged. This may have the following causes:

- Pressure points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing. Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Ensure that the connection cables are disconnected from electrical power when checking for damage. Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables of the same designation. The printing of the type designation on the connection cable is mandatory. For single-phase AC motors, we recommend a fuse rating of C 16A or K 16A for machines with a high starting current (from 3000 watts)!

Cleaning

- The device has a twist-clean function (3). (Fig. 1)
- If the piece of red rubber in the clogging indicator (13) has been pushed upwards, it is time to clean the device.
- To do this, set the rotary switch (5) from "Run" to "Clean" and open the filter drain (12).
- Now turn the twist-clean crank a few times to clean the filter insert (14) and to discharge the debris.

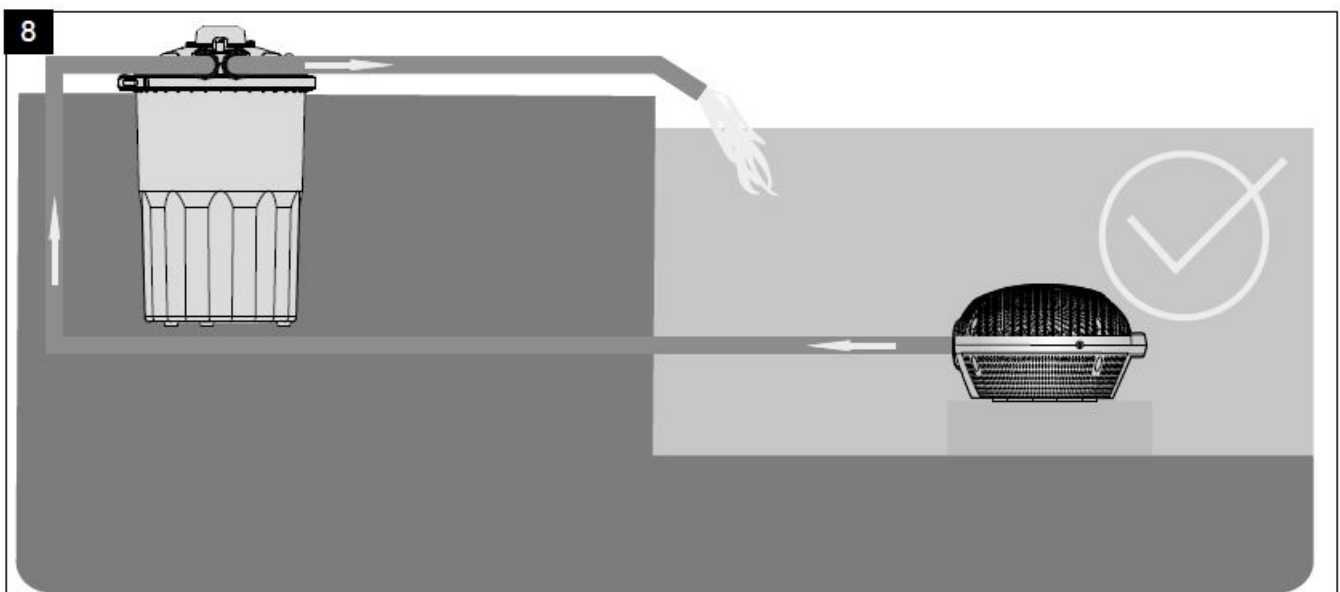
Storage

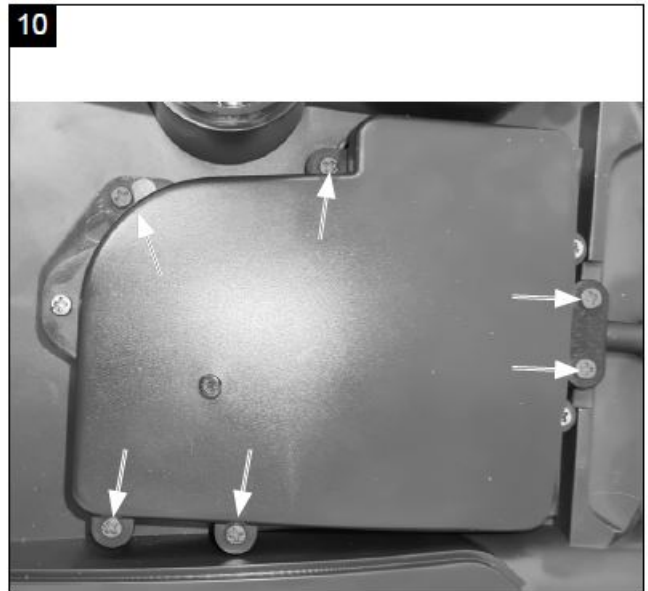
Store the device and its accessories in a dark, dry and frost-free place that is inaccessible to children. The optimum storage temperature lies between 5 and 30 °C. Store the tool in its original packaging. Cover the tool to protect it from dust or moisture. Store the operating manual with the tool.

Maintenance

Warning!

Always pull out the mains plug before carrying out adjustments on the device. Replacing the UVC lamp (Fig. 9-11)





1. Pull out the rotary switch (5).
2. Remove the screws underneath.
3. Remove the blue cover (4).
4. Remove the screws marked in figure 10.
5. You can then remove the entire unit.
6. Replace the lamp and follow these steps in reverse order.

Attention!

Replace the UVC lamp once a year or every 10,000 operating hours.

Service Information

With this product, it is necessary to note that the following parts are subject to natural or usage-related wear, or that the following parts are required as consumables. Wearing parts*: UVC lamp, filter element

- may not be included in the scope of supply!

Connections and repairs

Connections and repair work on the electrical equipment may only be carried out by electricians.

Connection type Y

If the mains connection cable of this device is damaged, it must be replaced by the manufacturer, their service department or a similarly qualified person to avoid dangers.

Please provide the following information in the event of any queries:

- Type of current for the motor
- Machine data-type plate
- Engine data-type plate

Spare parts and accessories can be obtained from our Service Centre. To do this, scan the QR code on the front page.

Disposal and recycling

The device is supplied in packaging to avoid transport damages. This packaging is raw material and can thus be used again or can be reintegrated into the raw material cycle. The device and its accessories are made of different materials, such as metals and plastics. Take defective components to special waste disposal sites. Check with your specialist dealer or municipal administration!

Do not throw old equipment away with household waste!

This symbol indicates that this product must not be disposed of in household waste as per Waste Electrical and Electronic Equipment directive (2012/19/EU) and national laws. This product must be handed over at the intended collection point. This can be done, for example, by returning it when purchasing a similar product or delivering it to an authorized collection point for the recycling of old electrical and electronic devices. Improper handling of waste equipment may have negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By disposing of this product properly, you are also contributing to the effective use of natural resources. Information about collection points for old devices can be found at your municipal authority, the local disposal provider, an authorized location for the disposal of old electrical and electronic devices or your waste collection service.

Troubleshooting

The following table shows fault symptoms and describes remedial measures in the event of your machine failing to work properly. If you cannot localise and rectify the problem with this, please contact your service workshop.

Fault	Possible cause	Remedy
Water is not being pumped	Pump not connected	Connect the pump.
	Pump defective	Repair by an authorised service centre.
	Line is soiled	Clean the line.
	Pump and filter incorrectly positioned in relation to each other	Read the instructions carefully and carry out the assembly process correctly.
Water is not getting any cleaner	Pond is too large	Choose a larger model.
	UVC lamp defective	Replace the UVC lamp.
	UVC lamp too weak	Adhere to replacement interval.
	Filter is soiled	Use twist-clean function.

EG Declaration of Conformity

- hereby declares the following conformity under the EU Directive and standards for the following article
- **Article name:** POND PRESSURE FILTER SET – PFS8000

Standard references

- EN60335-2-41:2003/A2:2010;
- EN 60335-1:2012/A2:2019;
- EN 62233:2008;
- EN 60335-1:2012/A15:2021;
- EN 60335-2-55:2003/A11:2018


The object of the declaration described above fulfills the regulations of the directive 2011/65/EU of the European Parliament and Council from 8th June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Warranty

Apparent defects must be notified within 8 days from the receipt of the goods. Otherwise, the buyer's rights of claim due to such defects are invalidated. We guarantee for our machines in case of proper treatment for the time of the statutory warranty period from delivery in such a way that we replace any machine part free of charge which provably becomes unusable due to faulty material or defects of fabrication within such period of time. With respect to parts not manufactured by us we only warrant insofar as we are entitled to warranty claims against the upstream suppliers. The costs for the installation of the new parts shall be borne by the buyer. The cancellation of sale or the reduction of purchase price as well as any other claims for damages shall be excluded.

- www.scheppach.com

Documents / Resources

	<p>scheppach PFS8000 Pond Pressure Filter Complete Set [pdf] Instruction Manual PFS8000 Pond Pressure Filter Complete Set, PFS8000, Pond Pressure Filter Complete Set, Pressure Filter Complete Set, Filter Complete Set, Complete Set</p>
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References

- [🔗 scheppach | scheppach](#)
- [🔗 Kontakt & Service | scheppach | scheppach](#)