Operation Manual

Swimming Pool Circulation Pump

50374–50377

Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!
Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation
If you have suggestions for improvement or have found any irregularities, please contact us.

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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.
If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

service@wiltec.info

or use our contact form:

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Our postal address is:

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Germany

To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**
Keep these operation instructions safe.

Utilisation

The swimming pool pumps are designed for use in small pools (family use), whirlpools and sauna pools.

Safety instructions

Attention!
In standing water, garden, and swimming ponds and in their vicinity, the use of the device is only permitted with a residual current circuit breaker with a tripping current of up to 30 mA (according to VDE 0100 parts 702 and 738).

Maintain a safe distance from the swimming pool and fix the pump on a stable base plate. According to applicable standards, a safety distance of 2 m must be maintained.

This device is not intended to be used by persons (including children) with limited physical, sensory, or mental capabilities or a lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have obtained instructions on how to use the device.

Children should be supervised to ensure that they do not play with the device.

Attention!

- Perform a visual inspection of the device before each use. Do not use the device if safety devices are damaged or worn. Never override safety devices.
- Only use the device in accordance with the intended use specified in these operating instructions.
- You are responsible for the safety in the work area.
- If the cable or the plug is damaged due to external influences, the cable must not be repaired, but must be exchanged for a new one. This work should only be carried out by a qualified electrician.
- The voltage of 230 V AC specified on the rating plate of the device must correspond to the existing mains voltage.
- Never lift, transport, or fix the device by the power cord.
- Make sure that the electrical plug connections are protected from flood or moisture.
- Pull the power plug before working on the device.
- Avoid exposing the device to direct water jets or rain.
- The operator is responsible for compliance with location-specific safety and installation regulations. If necessary, ask a qualified electrician.
- The user must take appropriate measures to prevent consequential damage caused by flooding of rooms in the event of malfunctions on the device (e.g., installation of an alarm system, reserve pump, etc.).
- If the device fails, repairs should only be carried out by a qualified electrician.
- The device must never run dry or be operated with the suction line fully closed.
- The device must not be installed in the drinking water circuit.
- We decline any liability for the consequences of improper installation, commissioning, or improper electrical installations.

Warning!

- Read all safety warnings and instructions. Failure to follow the safety instructions and instructions can result in electric shock, fire, and/or serious injury.
- Keep all safety notices and instructions for future use.

Resistance

- The maximal temperature of the pumped liquid should not exceed +35 °C in continuous operation.
- The pumping of aggressive liquids (acids, alkalis, silo seepage, etc.) as well as liquids with abrasive substances (e.g., sand) must be avoided.

Electrical connection

- The electrical connection is made to an earthed socket with 230 V ~ 50 Hz. Fusing at least 6 A.
- The motor is protected against overloading or blocking by the built-in thermal motor protection. If the device is overheating, the motor overheating protection automatically switches off the pump; after it has cooled down, the pump switches on again automatically.
- Make sure that the socket is adequately fused (min. 6 A) and works properly. Insert the pump plug into the socket; the pump is then ready for operation.

Control measures before the first operation

- Make sure that the mains voltage and frequency and those of the pump (see nameplate) match.
- Make sure that the pump shaft can rotate freely.
- Fill the pump body with water by slightly unscrewing the corresponding self-priming cap.
- Fill the system with water to find and repair any leaks.
- Open any slide valves in the pressure and suction lines and check whether all lines are connected.
- Let water run into the pump via the pool overflow/suction or fill the suction line and the pump body completely with water.
- Never operate the pump dry.

Caution: The pumps are designed for clean water with a maximal temperature of 35 °C; any other use should be avoided.

Mains connection

The pump is electrically connected to a properly installed protective contact socket with a mains voltage of 230 V / 50 Hz.

Assembly

- To avoid long suction lines and the resulting loss of performance, the pumps should be installed at or below the water level if possible.
- In the case of fixed pumping systems, the electric pump can be anchored on the ground. Use the holes provided in the base plate for this.
- The pumps must be installed in a well-ventilated, dry and flood-proof location.

Cable installation

- The suction line must be protected against negative pressure and be installed approx. 30 cm below the water level. This avoids the formation of whirls and the inevitably associated air entry.
- The line connections must be completely airtight. Bends and waves formed by the lines should be avoided as far as possible.
- The suction line should have a minimum gradient of 2 % over its entire length so that no air can remain inside the system.
- The pressure line must have a diameter that is either equal to or larger than that of the pump pressure connection.
- The suction and pressure lines must never rest on the pump.
- Make sure that all connections are tight so that the pump does not come into contact with moisture and possibly be damaged.
- We recommend the installation of a foot valve. Before setting up, the pump must be pre-filled with water.

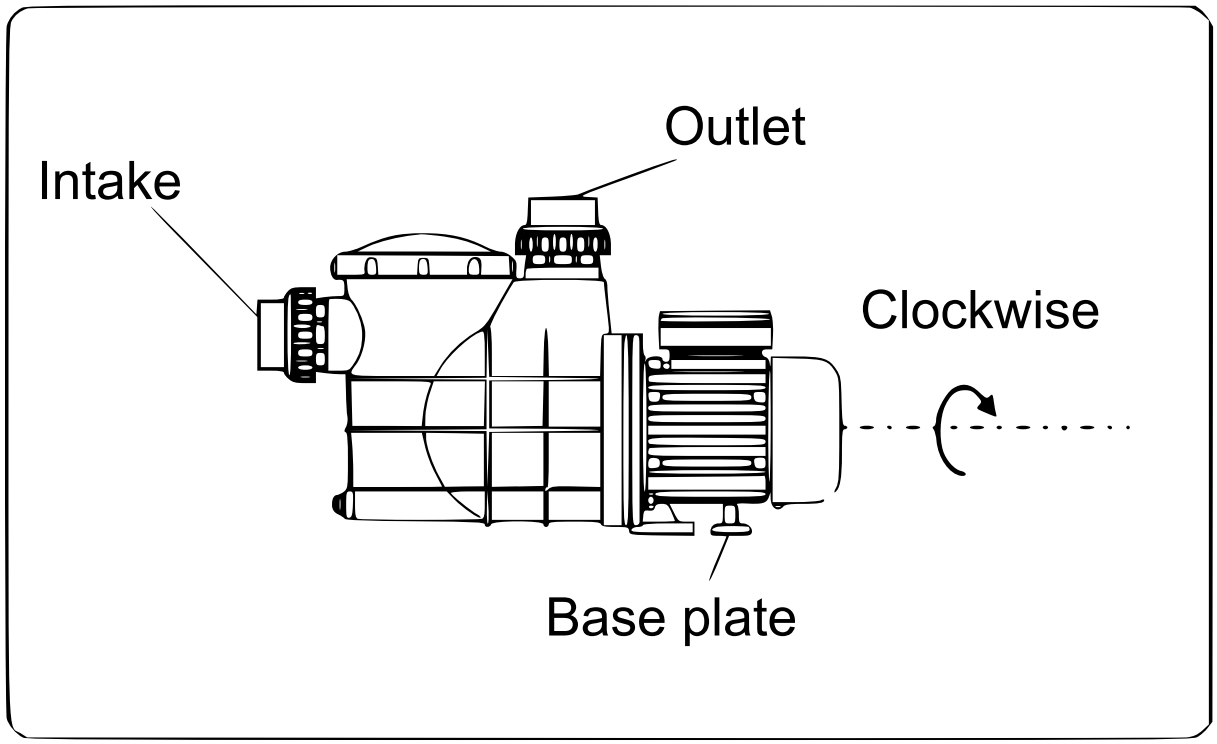
Operation

1. Fill the system with water to find and repair any leaks.
2. Open any slide valves in the pressure and suction lines and check if all lines are connected.
3. Let water run into the pump via the pool overflow/suction or fill the suction line and the pump body completely with water. Not being self-priming, the pump must be filled before operation to prevent it from running dry.
4. Plug in the pump and check that the pump is circulating the water.
5. If the pump is used above the pool water level, a foot valve must always be installed at the beginning of the suction line so that the water does not run back from the suction into the pool after the pump is switched off.
6. If the motor does not start or if no water is transported, switch off the pump and check whether there is any blockage inside the line system or inside the pump.
7. Please do not let the pump run without water in the pump body, which can damage the mechanical seal between the pump body and motor, and cause leaks.
8. Please do not perform any work on the pump or the line pool system while the pump is operating.
9. If you have problems during operating that you cannot explain yourself or that do not correspond to this description, contact a specialist.

Maintenance

- Our electric pumps do not require any special maintenance.
- Regularly empty the dirt container.
- The pump body should be emptied before the cold season and before the system is not used for a longer period.
- If the system is not used at all for a long period of time, the pump must be cleaned, rinsed thoroughly with clean tap water, and stored in a dry and well-ventilated place.
- Residues of chlorine and other pool additives can damage the pump seals, which can lead to leaks when it is restarted.

Technical specifications



Item number	50374	50375	50376	50377
Energy supply	230 V~50 Hz			
Power (W)	220	380	550	750
Max. pumping head (m)	5.5	7	10	11
Max. flow rate (l/h)	5000	8000	13,000	14,500
Max. pressure (bar)	0.55	0.7	1	1.1
Temperature range (liquid) (°C)	0–35			
Particle size (mm)	3			
Hose connections (mm)	32 / 38 (1¼″ / 1½″)			
Protection class	IPX4			
Cable length (m)	1.5			
Weight (kg)	4.8	5.6	9.8	10.8

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WilTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).
The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.

Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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Important notice: