

4000/5

Art. 1732

5000/5

Art. 1734

6000/6 inox Art. 1736

**D Betriebsanleitung**  
Gartenpumpe**GB Operating Instructions**  
Garden Pump**F Mode d'emploi**  
Pompe de surface pour arrosage**NL Gebruiksaanwijzing**  
Besproeiingspomp**S Bruksanvisning**  
Bevattningspump**DK Brugsanvisning**  
Trykpumpe**FI Käyttöohje**  
Puutarhapumppu**N Bruksanvisning**  
Hagepumpe**I Istruzioni per l'uso**  
Pompa da giardino**E Instrucciones de empleo**  
Bomba para jardín**P Manual de instruções**  
Bomba de Jardim**PL Instrukcja obsługi**  
Pompa ogrodowa**H Használati utasítás**  
Kerti szivattyú**CZ Návod k obsluze**  
Zahradní čerpadlo**SK Návod na obsluhu**  
Záhradné čerpadlo**GR Οδηγίες χρήσης**  
Αντλία κήπου**RUS Инструкция по эксплуатации**  
Садовый насос**SLO Navodilo za uporabo**  
Vrtna črpalka**HR Upute za uporabu**  
Vrtna pumpa**SRB Uputstvo za rad**  
Baštenska pumpa**UA Інструкція з експлуатації**  
Садові насоси**RO Instrucțiuni de utilizare**  
Pompă de grădină**TR Kullanma Kılavuzu**  
Bahçe pompası**BG Инструкция за експлоатация**  
Градинска помпа**AL Manual përdorimi**  
Pompë kopshti**EST Kasutusjuhend**  
Aiapump**LT Eksplotavimo instrukcija**  
Sodo siurblys**LV Lietošanas instrukcija**  
Dārza sūknis

# GARDENA Garden Pump

## 4000/5 / 5000/5 / 6000/6 inox



**Translation of the original German operating instructions.**  
Please read the operating instructions carefully and observe the notes given. Use these operating instructions to familiarise yourself with the product, the proper use and the safety instructions.



For safety reasons, children and young people under the age of 16, as well as people not familiar with these operating instructions, may not use this product. Persons with reduced physical or mental abilities may use the product only if they are supervised or instructed by a responsible person.

→ Keep these operating instructions in a safe place.

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### Contents:

## 1. Area of application of your GARDENA Garden Pump

#### Purpose:

The GARDENA Garden Pump is designed for domestic use around the house and garden.

When the pump is used for pressure boosting, the maximum permissible internal pressure of 6 bar (on the delivery side) must not be exceeded. The increased delivery pressure and the pump pressure have to be added together.

- Example: Pressure at the tap = 1.5 bar, maximum pressure of the Garden Pump 4000/5 = 4.5 bar bar, total pressure = 6.0 bar.

#### Liquids that can be pumped:

The GARDENA Garden Pump can be used for pumping ground water and rain water, tap water and swimming pool water containing chlorine.



**The GARDENA Garden Pump is not suitable for continuous operation (e.g. industrial applications, continuous circulating operation). Corrosive, easily combustible, aggressive or explosive liquids (such as gasoline, petroleum or nitro thinner), saltwater and food must not be pumped.**  
**The temperature of the liquid must not exceed 35 °C.**

## 2. Safety Instructions



### DANGER! Electric shock!

#### Risk of injury due to electric shock.

- Always unplug your Garden Pump before filling, after operation, when trouble-shooting and before carrying out any maintenance work.



### RISK OF INJURY!

#### Hot water – risk of scalding!

**For pump 4000/5 only: If the pump is operated for prolonged periods of time (> 5 min) with the delivery side closed, the water in the pump may heat up so that there is a risk of scalding yourself with hot water.**

- The pump should not run against the closed delivery side for more than 5 minutes.

**If the water supply on the intake side of the pump fails, the water in the pump can heat up so that if water emerges, injuries could be caused by the hot water.**

- Disconnect the pump from the mains via the main circuit breaker, let the water cool and secure the suction-side water supply before putting into operation again.

#### Location

**Caution: Pursuant to DIN VDE 0100-702 and 0100-738, AS/NZS 3000 use of the pump nearby swimming pools and garden ponds and other similar places is only permissible if the pump is operated via a residual-current device (FI switch) with a residual current rating of ≤ 30 mA.**

The pump must not be operated when there are persons in the swimming pool or garden pond. The pump must be located on solid, even ground, protected from flooding. Take care that the pump cannot fall into water. Position the pump at a safe distance (min. 2 m) from the liquid to be pumped. As an additional safety device an authorised safety switch can be used.

- Please ask your electrician for his advice.

When connecting the pump to the water supply system, the country-specific sanitary regulations must be observed to prevent water not of drinking water quality being drawn back in.

- Please consult a specialist for sanitary installations.

#### Extension cables

Date indicated on the type plate must match technical data of the mains supply.

Only use extension cables authorised in accordance with HD 516.

- Consult your qualified electrician.
- Don't use the power cable for carrying the pump or for plugging off.

#### In Austria

In Austria, the electrical connections must be made according to ÖVE-EM 42, T2 (2000)/ 1979 § 22 based on § 222. Pursuant to this regulation it's imperative to operate pumps for swimming pools and garden ponds exclusively via an isolating transformer.

- Please ask your electrician.

#### In Switzerland

In Switzerland mobile appliances which are used outdoors, must be connected via a residual-current device.

#### Visual check

- Before operating the pump, first make a visual check, if there is any damage of the pump (esp. regarding power cable and plug).

A damaged pump must not be used.

- In case of damage, please have the pump checked by our GARDENA Service Centre or by an authorised electrician.

- A damaged connection cable may only be exchanged by GARDENA Service or an authorised electrician.

#### Note

- Protect the pump from rain. Don't use the pump in wet or moist area.

In order to avoid dry-running of the pump, take care that the end of the suction hose is always submerged into the liquid.

- Before each operation, fill the pump to overflowing with approx. 2 to 3 l of the liquid to be pumped!

Sand and other abrasive substances in the liquid cause increased wear and reduce the pump's output.

Pumping dirty water, e.g. stones, pine needles etc., can cause damage to the pump.

- Do not pump dirty water.

The minimum flow rate is: 4000/5: 90 l/h (= 1.5 l/min); 5000/5: 200 l/h (= 3.3 l/min).

Watering accessories with lower rate must not be operated.

### 3. Initial Operation

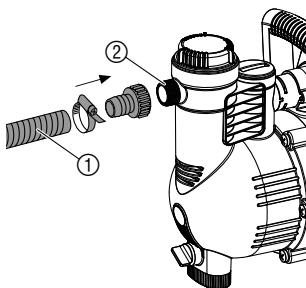
#### Setting up your Garden Pump:

The site must be firm and solid in order to ensure safe and sturdy operating conditions for the pump.

→ Position the pump at a safe distance (min. 2 m) from the liquid to be pumped.

The pump must be installed in a location with low air humidity and sufficient ventilation in the area of the ventilation slots. It must be at a distance of at least 5 cm from the walls. No dirtcontamination (e.g. sand or earth) may be sucked in through the ventilation slots.

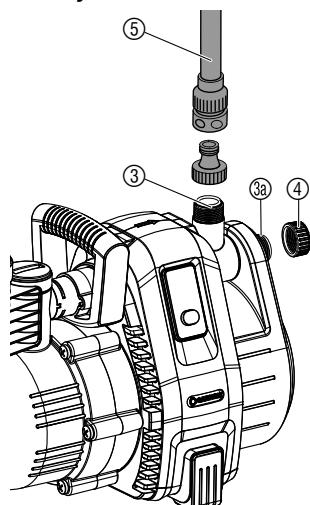
#### Connecting hose to suction side:



In order to reduce the suction time, it is advisable to use a suction hose with backflow preventer avoiding automatic draining of the suction hose when the pump is stopped.

1. Screw a vacuum-resistant suction hose (1) airtight onto the connector on the suction side of the pump (2).
2. For suction heights exceeding 4 m also secure the suction hose (1) (e.g. by fastening it to a wooden post). *This relieves the pump of the weight of the suction hose.*

#### Connecting hose to delivery side:



The pumps have 2 connections (3/3a) on the delivery side. The pump connection not in use has to be closed by the cap (4), which can be unscrewed for connecting 2 hoses.

The pump connections (3/3a) are equipped with a 33.3 mm (G 1") thread which can be used to connect 13 mm (1/2"), 16 mm (5/8") or 19 mm (3/4") hoses via the GARDENA hose connection system.

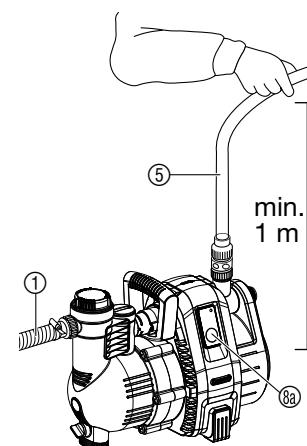
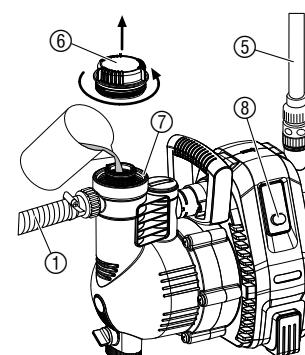
Optimised use of the pump capacity is achieved by connecting 19 mm (3/4") hoses with e.g. GARDENA Pump Connection Set Art. 1752, or by connecting 25 mm (1") hoses with GARDENA Quick Thread Coupling with female thread Art. 7109/Quick Coupling Hose Connector Art. 7103.

→ Connect the pressure hose (5) to the connector on the delivery side (3/3a).

If more than 2 hoses/accessories are connected simultaneously, we recommend using the GARDENA 2- or 4-Channel Water Distributor Art. 8193/8194, GARDENA Twin-Tap Connector Art. 940 which can be screwed directly onto the connection on the delivery side (3/3a).

### 4. Operation

#### Filling the pump:



**DANGER! Electric shock!**

Risk of injury due to electric shock.

→ Disconnect from the mains before filling the Garden Pump.



**ATTENTION!**

→ Before each operation, slowly fill the pump with liquid to be pumped until it overflows (approx. 2 to 3 l).

1. Open the cap (6) on the filler neck (7) by hand.
2. Fill the pump via the filler cap (7) to overflowing with approx. 2 to 3 l of the liquid to be pumped.
3. Tighten the cap (6) of the filler cap (7) by hand (do not use pliers).
4. Open any shut-off valves in the delivery line (accessories, water stop, etc.).
5. Drain remaining water in pressure hose (5) so that air can escape during the suction process.
6. **Switching on pump 4000/5:** Lift and hold the delivery hose (5) at least 1 m vertically above the pump, press the On/Off switch (8) (*On/Off switch shines*) and wait until the pump has primed.

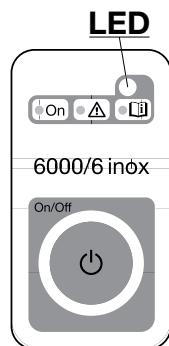
→ If the pump does not deliver after approx. 5 minutes, switch off the pump (press On/Off switch (8)) (see 7. Trouble-Shooting).

6. **Switching on pump 5000/5; 6000/6 inox:** Lift and hold the delivery hose (5) at least 1 m vertically above the pump, insert the power plug, press the On/Off button (8a) (*the LED shines green*) and wait until the pump has primed.

If the pump does not deliver within approx. 20 seconds, the LED flashes orange.

If the pump does not deliver: 5000/5 within approx. 5 minutes/6000/6 inox within approx. 6 minutes, the LED shines red and the pump switches off automatically (see "7. Trouble-Shooting").

→ If the pump does not automatically switch off then manually switch the pump off and check the hose for leaks.



The specified maximum self-priming suction height of 8 m is reached only if the pump is filled via the filler neck (7) up to the overflow and if, while doing so and during the self-priming, the delivery hose (5) is held up sufficiently high to prevent any flow medium escaping from the pump via the delivery hose (5).

**Special mode:**

Additional electrical switching devices (e.g. remote control systems, pressure switches) can be used only in the special mode.

**Activating the special mode:**

- When switching on, press the On/Off button ⑧ for 8 seconds.  
*During the first 5 seconds, the green LED is illuminated; then the LED blinks for 3 seconds.*
- When the green LED illuminates again after 8 seconds, let go of the On/Off button ⑧.

**Deactivating the special mode:**

- Plug the mains plug into an energised mains socket.  
*The pump starts of its own accord.*
- Press the On/Off button ⑧. *The pump switches off.*
- When switching on, keep the On/Off button ⑧ depressed for 8 seconds until the green LED no longer flashes.

**safe-pump-function:**

The **safe-pump function** uses the LED status display to alert the user that there is no water flow. In addition, it acts as **Dry-Running Safety**, guarding against pump damage if the delivery side is closed too long (e.g. closed valves) or if the water supply fails (e.g. empty cistern).

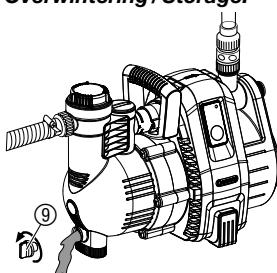
**LED flashes green:** **Normal operation**

**LED flashes orange:** **No water flow for at least 20 seconds**

**LED shines red:** **No water flow for at least 5 minutes (pump has switched off automatically)**

**LED flashes red:** **Alarm! Pump was started 3 times within 20 min. without water flow. (Pump can no longer be started for 5 min. to allow cooling, after which the LED shines red)**

## 5. Putting into Storage

**Overwintering / Storage:**

Before the start of the frost period the Garden Pump should be stored protected from frost.

- Open the water drain screw ⑨.  
*The Garden Pump drains.*
- Store your Garden Pump so that it is protected from frost.

**Disposal:**

(in accordance with RL2002/96/EC)



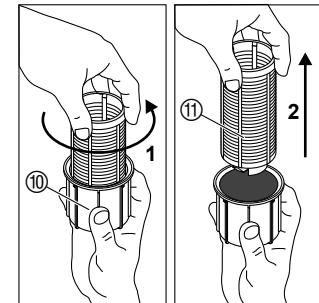
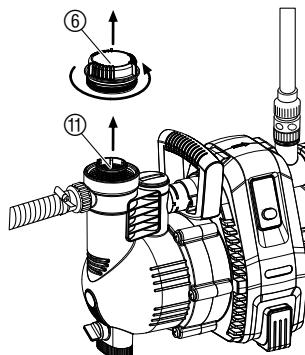
The product must not be added to normal household waste. It must be disposed of in line with local environmental regulations.

## 6. Maintenance

**DANGER! Electric shock!**

Risk of injury due to electric shock.

→ Disconnect Garden Pump from the mains before carrying out maintenance.

**Cleaning the filter:****Flush through Garden Pump:**

The pump must be flushed through after discharging chlorinated swimming pool water.

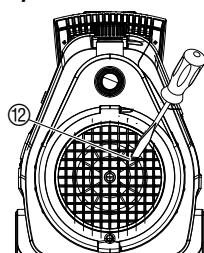
- Pump through lukewarm water (max. 35 °C), possibly adding a mild cleaning agent (e.g. detergent) until the pumped water runs clear.
- Remove residuals according to the waste disposal laws applicable in your area.

## 7. Trouble-Shooting

**DANGER! Electric shock!**

Risk of injury due to electric shock.

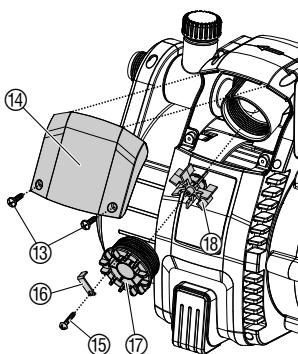
→ Disconnect Garden Pump from the mains before trouble-shooting.

**Free the impeller:**

An impeller blocked by dirt can be freed again.

→ Turn the impeller bolt ⑫ using a screwdriver.  
*This will free the blocked impeller.*

## Cleaning the flow sensor:



If the flow sensor is dirty, this may result in spurious error messages (LED flashes orange).

1. Unscrew both screws ⑯.
2. Remove the cover ⑭.
3. Undo the screw ⑯ and detach the clip ⑯.
4. Unscrew the cap ⑰ anticlockwise.
5. Remove the impeller ⑯ and clean it. Clean the housing of the flow sensor.
6. Re-fit the impeller ⑯ with the metal part in the mounting direction.
7. Screw the cap ⑰ into place clockwise.
8. Secure the cap ⑰ by way of the clip ⑯ using the screw ⑯.
9. First insert the cover ⑭ at the top and then tighten the two screws ⑯ at the bottom.

## Problem

### Pump runs, but the suction action doesn't take place

#### Possible Cause

Pump sucks in air at a joint.

→ Seal connections on suction side so are airtight.

Leaky or damaged suction hose.

→ Check suction line for damage and seal so is airtight.

The pump was not filled with the liquid to be pumped.

→ Fill the pump (see "4. Operation").

The liquid escapes over the hose which is connected to the delivery side during the suction action.

1. Fill the pump again (see "4. Operation").
2. When starting operation hold the pressure hose approx. 1 m vertically above the pump, until the suction action has taken place.

Absolutely vacuum-resistant connection is achieved by using GARDENA Suction Hoses (see point "8. Available accessories").

Leaky screw fitting ⑥ at the filler cap ⑦.

→ Check seal (replace if necessary) and tighten connection securely (do not use pliers).

Air cannot escape, since delivery side is closed or remaining water is in the pressure hose.

→ Open shut-off valves (e. g. nozzle) in the delivery line, empty the delivery hose or disconnect it from the pump during priming.

The waiting time wasn't observed.

→ Switch on the pump and wait up to 5 min.

Suction filter or backflow preventer in the suction hose clogged.

→ Clean the filter or the back flow preventer.

Too high suction height.

→ Reduce suction height.

In case of any other difficulties concerning the suction action, use GARDENA Suction Hoses with Backflow Preventer (see point "8. Available accessories") and fill in the liquid to be pumped over the filler cap ⑦ before operation.

## Problem

### Pump motor runs, but delivery capacity or pressure suddenly decreases

## Possible Cause

Suction filter at the suction hose is sucked free.

→ Reduce flow rate on the delivery side with a control valve, e.g. GARDENA art. no. (2)977.

Suction filter or backflow preventer clogged.

→ Clean filter or back-flow preventer.

Leaks at suction side.

→ Eliminate leak.

Impeller blocked.

→ Release impeller.

### Pump motor doesn't start or suddenly stops

No power.

→ Check fuses and electric connections.

Circuit breaker has switched off the motor due to overheating/overload.

→ Ensure sufficient cooling/ventilation and clean the impeller chamber.

Electric failure.

→ Send the pump to one of our GARDENA Service Centres.

### 5000/5; 6000/6 inox: Pump delivers and LED flashes orange

The flow sensor is dirty.

→ Clean the flow sensor.

### 5000/5; 6000/6 inox: Pump switches off and the LED shines red

No supply of fluid to be pumped for approx. 5 minutes/leakage on the suction side.

→ Establish supply of fluid to be pumped/check suction line and re-start pump.

The pump ran for approx. 5 minutes against the closed delivery side.

→ Open the delivery side and re-start pump.

**!** For any other malfunctions please contact the GARDENA service department. Repairs must only be carried out by GARDENA service departments or specialist dealers authorised by GARDENA.

## 8. Available accessories

### GARDENA Suction Hoses

Kink-proof and vacuum-proof, optionally available by the metre Art. no. 1720/1721 (19 mm (3/4")-/25 mm (1")) without connecting fittings or in fixed length Art. no. 1411/1418 complete with connecting fittings.

### GARDENA Suction Hose Fitting

For connection on the suction side. Art. no. 1723/1724

### GARDENA Pump Connection Set

For connection on the delivery side. Art. no. 1750/1752

### GARDENA Suction Filter with backflow preventer

To equip suction hoses with backflow preventer sold by the metre. Art. no. 1726/1727/1728

### GARDENA Electronic Manometric Switch

Automatically cuts in and out the pump depending on the current operating pressure. With dry-running safety. It must be installed at one of the two outlets. (In the case of Art. No. 1734/1736 the special mode has to be activated for this purpose). Art. no. 1739

|  |   |                      |
|--|---|----------------------|
| <b>For pump 4000/5: GARDENA Dry-Running Safety</b> | Prevents the pump from damages in case of missing liquid.   | <b>Art. no. 1741</b> |
| <b>GARDENA Bore Hole Suction Hose</b>              | For vacuum-resistant connection of the pump to boreholes or pipe networks. Length 0.5 m. With 33.3 mm (G1) female thread at both ends.      | <b>Art. no. 1729</b> |
| <b>GARDENA Remote Control Set</b>                  | For switching the pump on and off at a distance. (In the case of Art. No. 1734/1736 the special mode has to be activated for this purpose). | <b>Art. no. 7680</b> |

## 9. Technical Data

| Type                                       | 4000/5<br>(art. no. 1732)                  | 5000/5<br>(art. no. 1734)                  | 6000/6 inox<br>(art. no. 1736)             |
|--|--|--|--|
| Rated power                                | 1,100 W                                    | 1,300 W                                    | 1,300 W                                    |
| Max. delivery capacity                     | 4,000 l/h                                  | 5,000 l/h                                  | 6,000 l/h                                  |
| Max. pressure/max. delivery head           | 4.5 bar / 45 m                             | 5.0 bar / 50 m                             | 5.5 bar / 55 m                             |
| Max. self-priming suction height           | 8 m  | 8 m  | 8 m  |
| Perm. internal pressure<br>(delivery side) | 6 bar                                      | 6 bar                                      | 6 bar                                      |
| Voltage/Frequency                          | 220 – 240 V AC / 50 Hz                     | 220 – 240 V AC/50 Hz                       | 220 – 240 V AC/50 Hz                       |
| Connection cable                           | 1.5 m; H07-RNF                             | 1.5 m; H07-RNF                             | 1.5 m; H07-RNF                             |
| Weight                                     | 11 kg                                      | 11.5 kg                                    | 13.5 kg                                    |
| Noise level L <sub>WA</sub> <sup>1)</sup>  | measured 80 dB (A)<br>guaranteed 82 dB (A) | measured 77 dB (A)<br>guaranteed 80 dB (A) | measured 75 dB (A)<br>guaranteed 79 dB (A) |

<sup>1)</sup> Measuring method according to directive 2000/14/EC

## 10. Service/Warranty

### Warranty:

GARDENA guarantees this product for 2 years (from 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 impeller is a wearing part and is excluded for 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 this product, please contact our Service or return the defective unit together with a short description of the problem – in case of guarantee, with a copy of the receipt – postage paid to one of the GARDENA Service Centres listed on the back of this leaflet.

**Pumpen-Kennlinien**  
**Performance characteristics**  
**Courbes de performance**  
**Prestatiegrafiek**  
**Kapacitetskurva**  
**Ydelses karakteristika**  
**Pumpun ominaiskäyrä**  
**Pumpekarakteristik**  
**Curva di rendimento**  
**Curva característica de la bomba**  
**Características de performance**  
**Charakterystyka pomp**  
**Szivattyú-jelleggörbe**  
**Charakteristika čerpadla**  
**Charakteristiky čerpadla**  
**Характеристико διάγραμμα**  
**Характеристика насоса**  
**Karakteristika črpalka**  
**Obilježja pumpe**  
**Karakteristika pumpe**  
**Крива характеристики насоса**  
**Characteristică pompă**  
**Pompa karakter egrisi**  
**Помпена характеристика**  
**Fuqia e pompës**  
**Pumba karakteristik**  
**Siurblio charakteristinė kreivė**  
**Sūkņa raksturlikne**

