

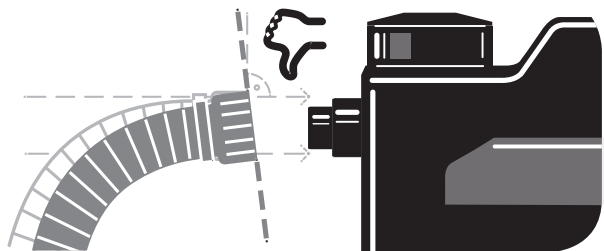
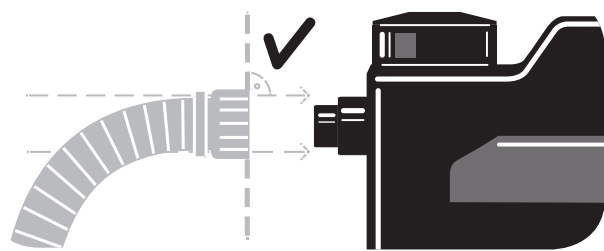
5600 SilentComfort

**Art. 9067**

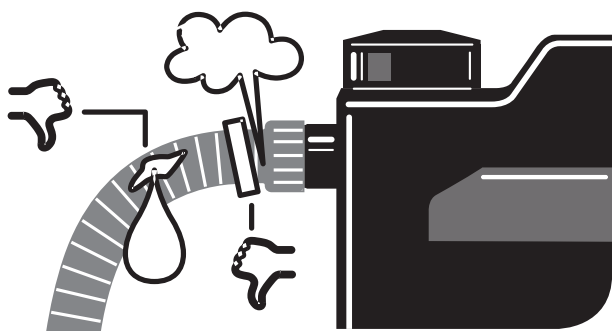
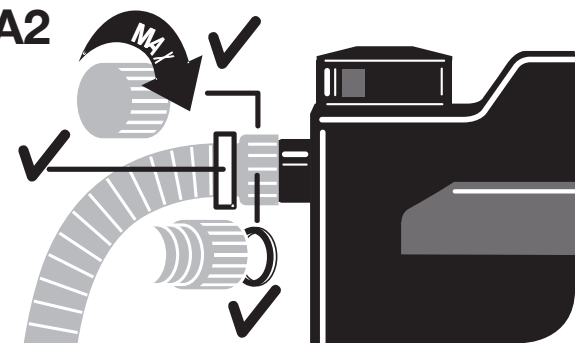
6300 SilentComfort

**Art. 9068**

A1

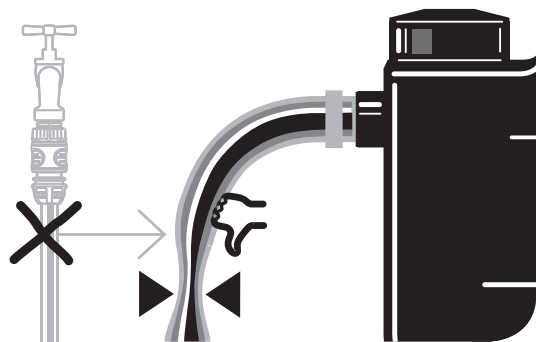
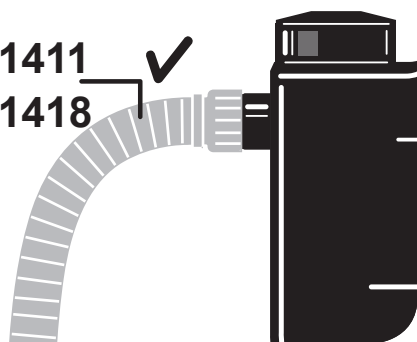


A2

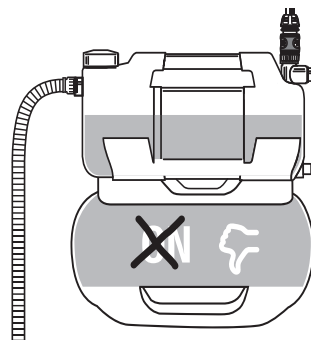
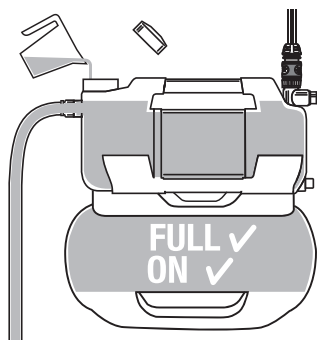


A3

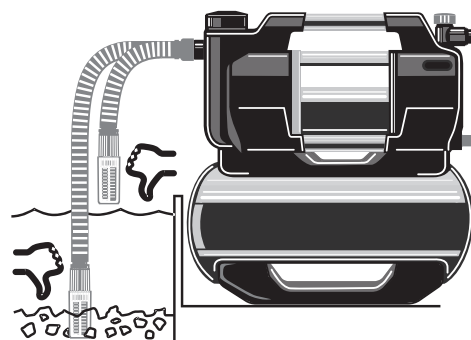
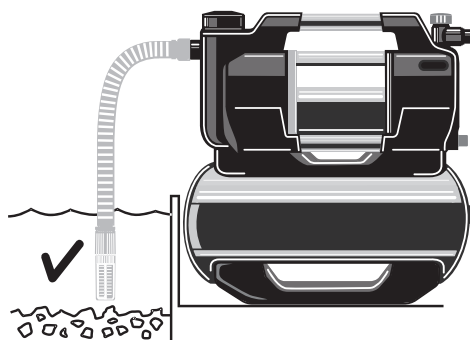
Art. 1411  
Art. 1418

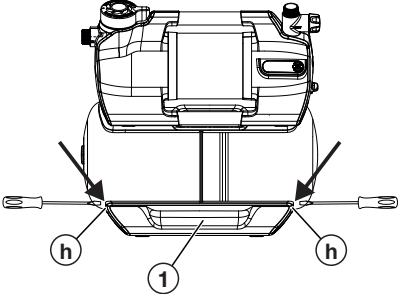
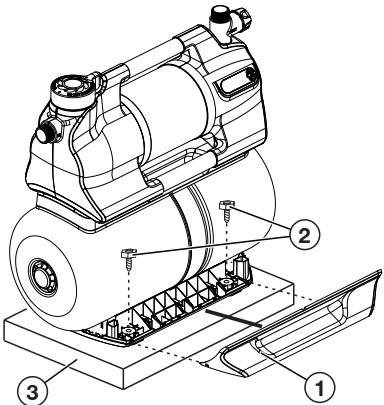
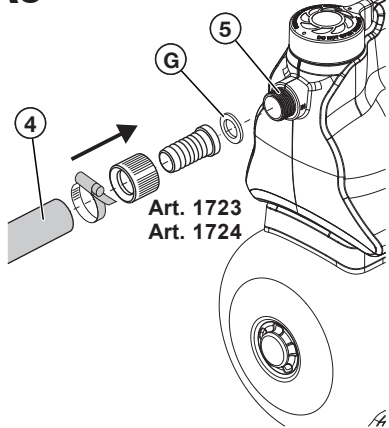
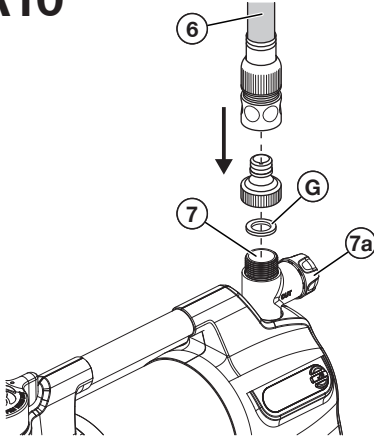
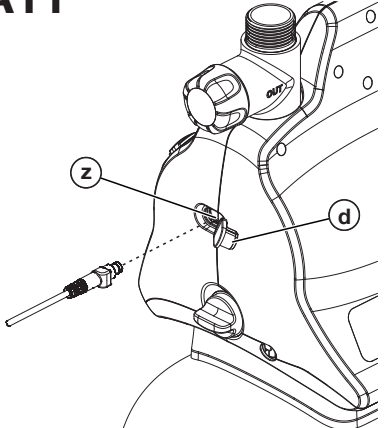
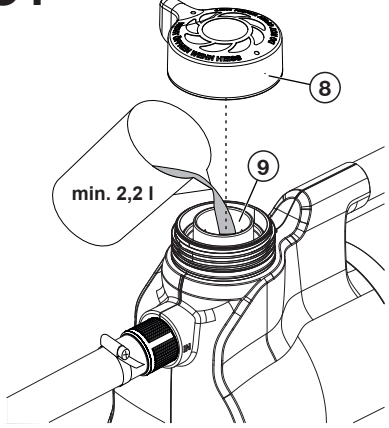
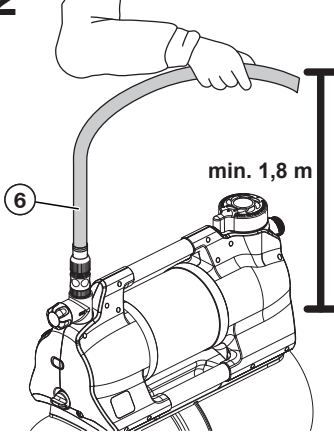
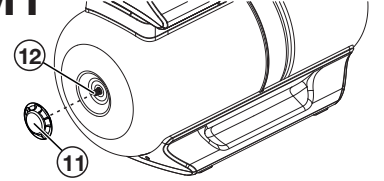
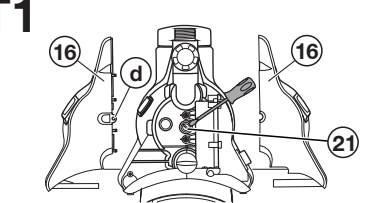
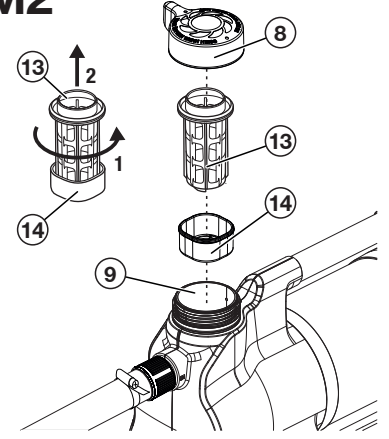
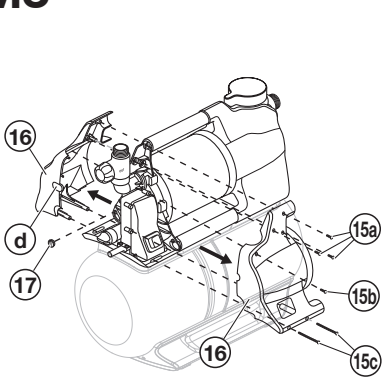
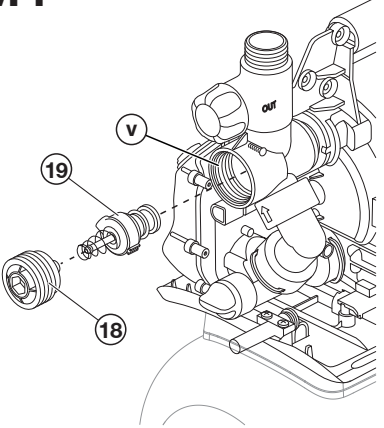
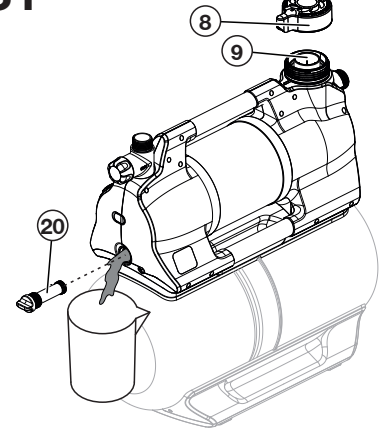


A4



A5



<p><b>A7</b></p> 	<p><b>A8</b></p> 	<p><b>A9</b></p> 
<p><b>A10</b></p> 	<p><b>A11</b></p> 	<p><b>O1</b></p> 
<p><b>O2</b></p> 	<p><b>M1</b></p>  <p><b>T1</b></p> 	<p><b>M2</b></p> 
<p><b>M3</b></p> 	<p><b>M4</b></p> 	<p><b>S1</b></p> 

Translation of the original instructions.

<b>1</b>	<b>Terms and abbreviations .....</b>	<b>6</b>
<b>2</b>	<b>Safety instructions .....</b>	<b>7</b>
2.1	Symbols on the product .....	7
2.2	General safety instructions.....	7
2.3	Additional safety instructions .....	8
<b>3</b>	<b>Assembly.....</b>	<b>10</b>
3.1	Selecting the installation location .....	10
3.2	Screwing the PTU onto a surface [Fig. A6/A7/A8].....	10
3.3	Connecting the suction side .....	10
3.3.1	Types of connection systems .....	11
3.3.2	Connecting the suction hose [Fig. A9] .....	11
3.4	Connecting the hose to the pressure side.....	11
3.4.1	Connecting the pressure hose [Fig. A10] .....	12
3.4.2	Connect the pressure hose via the GARDENA combi system .....	12
3.4.3	Parallel connection of pressure hoses.....	12
3.5	Connecting the soil moisture sensor (optional) [Fig. A11].....	12
<b>4</b>	<b>Commissioning .....</b>	<b>13</b>
4.1	Initial commissioning .....	13
4.1.1	Commissioning the PTU for the first time.....	13
4.1.2	Selecting a language .....	13
4.2	Starting/stopping the pump unit [Fig. O1/O2] .....	13
4.2.1	Starting the pump unit.....	13
4.2.2	Stopping the pump unit.....	14
4.2.3	Max. flow values.....	14
4.3	Installing a pre-filter (accessory) .....	14
4.4	Using sprinklers.....	14
<b>5</b>	<b>Functions .....</b>	<b>15</b>
5.1	How the pressure tank unit works .....	15
5.2	Adjustable pressure ranges .....	15
5.3	Power Boost .....	15
5.4	Bluetooth®.....	15
5.5	Timers and watering schedules .....	15
5.5.1	Timer .....	16
5.5.2	Irrigation schedules (exclusive app function) .....	16
5.5.3	Optional soil moisture sensor (Art. 1867) .....	16
5.6	Safe-pump.....	16
5.6.1	Automatic restart.....	16
5.7	Reminder .....	16
5.8	Direct start .....	16
5.9	Safety 17	
5.9.1	Leakage detection.....	17
5.9.2	Maximum run time .....	17
5.10	Factory settings.....	17
<b>6</b>	<b>Operation .....</b>	<b>18</b>
6.1	Operating the pressure tank unit via app.....	18
6.2	Operating the pressure tank unit with the keys.....	18
6.2.1	Symbols on the screen.....	18
6.2.2	Explanation of the control panel:.....	18
6.2.3	Menu navigation.....	18
6.2.4	Power saving function .....	19
6.2.5	Child lock.....	19
<b>7</b>	<b>Messages on the screen.....</b>	<b>20</b>
7.1	Status indicators.....	20
7.2	Informative messages.....	20
7.3	On-screen messages related to Bluetooth®function: .....	21



**8 Settings.....22**

8.1 Timer ..... 22

8.2 Mode (adjustable pressure ranges) ..... 22

8.2.1 Mode selection..... 22

8.2.2 Individual mode..... 23

8.3 Power Boost ..... 23

8.4 Bluetooth..... 24

8.4.1 Switching Bluetooth on and off..... 24

8.4.2 Pairing (connecting a mobile device for the first time)..... 24

8.4.3 Deleting devices ..... 24

8.5 Brightness..... 25

8.6 Language..... 25

8.7 Reminder ..... 26

8.8 Direct start ..... 26

8.9 Safety 26

8.9.1 Leakage..... 27

8.9.2 Max. run time..... 27

8.10 Factory settings..... 27

**9 Maintenance .....28**

9.1 Cleaning the pressure tank unit [Fig. M1] ..... 28

9.2 Flushing the pump unit ..... 28

9.3 Checking the air pressure in the reservoir [Fig. M1] ..... 28

9.4 Cleaning the filter [Fig. M2] ..... 29

9.5 Cleaning the check valve [Fig. M3/M4]..... 29

**10 Storage.....30**

10.1 Decommissioning and storage [Fig. S1]..... 30

**11 Troubleshooting .....31**

11.1 Releasing the impeller [Fig. M3/T1]..... 31

11.2 Error messages ..... 31

11.2.1 Messages related to errors 1, 2, 10 and 11 ..... 32

11.2.2 Errors 1 and 2..... 32

11.2.3 Error 10 and 11..... 33

11.3 Error table for the PTU..... 34

**12 Technical data.....36**

**13 Accessories/spare parts.....37**

**14 Warranty/Service .....38**

14.1 Product registration ..... 38

14.2 Service..... 38

**15 Disposal .....39**

15.1 Disposal of the pressure tank unit..... 39

**16 Annex .....40**

16.1 Assignment of trademarks..... 40

16.2 EC Declaration of Conformity ..... 40

**17 Performance characteristics .....41**

## 1 TERMS AND ABBREVIATIONS

---

- **PTU:** This abbreviation stands for pressure tank unit. This is the name for the entire device incl. pump unit and pressure tank.
- **Pump unit:** Component mounted on the pressure tank that connects to the hose lines and pumps the water.
- **Automatic mode:** Automatic switching on and off of the pump unit due to water being drawn and the associated drop in pressure in the pressure tank.
- **Pressure tank:** The pressure tank is mounted under the pump unit and can store water under pressure and release it when removed.

→ Sentences preceded by an arrow are operating instructions.

## 2 SAFETY INSTRUCTIONS

### 2.1 Symbols on the product



→ Read the operator's manual.

### 2.2 General safety instructions

#### **DANGER!** **Electric shock**

Risk of injury from electrical current.

- The product must be supplied with power via a residual-current device (RCD) with a rated tripping current of no more than 30 mA.
- *Disconnect the product from the mains before decommissioning it, servicing it or replacing parts. When doing so, the power outlet must be within your field of vision.*

#### 2.2.1. Intended use

This product can be used by children aged from eight years and above and persons with reduced physical, sensory or mental capabilities or without experience and knowledge provided they are supervised or have been instructed on using the product safely and understand the hazards involved. Children must not play with the product. Cleaning and user maintenance must not be performed by children without supervision unless they are eight years of age or older and are supervised. The use of this product by young people under the age of 16 is not recommended.

The **GARDENA PTU** is intended for pumping ground and rainwater, tap water and chlorinated water in private gardens and allotments. The **GARDENA PTUs 5600/6300 Bluetooth® Art. 9067/9068** are part of an irrigation system along with the Bluetooth® app.

The user interface is intended for manual operation via display and control keys, as well as via Bluetooth® with a mobile device.

The product is not intended for commercial use. The product is not intended for permanent operation.

#### 2.2.2. Safe operation

The water temperature must not exceed 35°C. The PTU must not be used when there are people in the water.

#### 2.2.3. Transport fluids

The **GARDENA PTU** may only be used to pump water.

#### **DANGER!** **Risk of injury**

- Do not pump salt water, dirty water, corrosive, highly flammable or explosive substances (for example petrol, paraffin, nitro-cellulose thinners), oils, fuel oil or foodstuffs.

#### 2.2.4. Extension cable

When using extension cables, they must comply with the minimum cross-sections in the following table:

Voltage	Cable length	Cross-section
230–240 V/50 Hz	Up to 20 m	1.5 mm <sup>2</sup>
230–240 V/50 Hz	20–50 m	2.5 mm <sup>2</sup>

## 2.3 Additional safety instructions



### **DANGER!**

#### **Risk of cardiac arrest**

This product generates an electromagnetic field during operation. This electromagnetic field may affect the functionality of active or passive medical implants (e.g. pacemakers), which may result in serious injury or death.

- Consult your doctor and the manufacturer of your implant before using this product.
- After using the product, disconnect the mains plug from the mains socket.

### **2.3.1. Additional electrical safety instructions**

- Set up the PTU so that it is stable and cannot be submerged.
- Set up the PTU so that it is protected against falling into the water.  
Set up the PTU at a safe distance (min. 2 m) from the medium to be pumped.
- An approved personal safety switch can be used as an additional safety feature for the residual-current device (RCD).
- Ask a qualified electrician about this.
- The information on the rating plate must match the mains data.
- Unplug the PTU before anyone enters a swimming pool connected to it.  
If the mains connection cable of this machine is damaged, it must be replaced by the manufacturer or its after sales service team or a similarly qualified person to avoid danger.
- Protect the mains plug and mains connection cable from heat, oil and sharp edges.
- Do not carry the PTU by the cable or use the cable to remove the plug from the wall socket.
- Do not expose the PTU to rain or use the PTU in a wet or humid environment.
- Check the connection cable at regular intervals.
- Always conduct a visual inspection of the PTU (especially the mains connection cable and mains plug) before use.  
A damaged PTU must not be used.  
It is essential to have the PTU checked by GARDENA Service if it is damaged.  
Electrical modifications may only be carried out by a qualified electrician.
- Disconnect the PTU from the mains before filling, removal or maintenance.
- Take heed of the generator manufacturer's warnings when using our PTU with a generator.

## 2.3.2. Additional personal safety instructions



### **DANGER!**

#### **Risk of suffocation**

- Small parts can easily be swallowed.
- Keep small children away when you assemble the product.



### **DANGER!**

#### **Risk of injury from hot water**

The pumped water is pressurised and can cause injury if it directly strikes the body or eyes. If there is no water supply on the suction side, the water in the PTU may heat up and the hot water produced could cause injury if leakage occurs.

- Disconnect the PTU from the mains and let the water cool down.
- Do not open caps or fittings when the water is hot.

Ensure that the water supply on the suction side is present before restarting.

- If hoses or pipes are exposed to the sun, they can become very hot.
- Do not use the product with untied hair.
- Do not connect the PTU to the drinking water supply.
- To prevent the pump unit from running dry, make sure that the suction hose end is always in the pumped medium.
- Slowly fill the PTU up to the overflow (min. 2.2 l) with water before starting it each time.
- When filling the PTU with water, make sure that no hoses or consumers are connected to the PTU and that the PTU is generally level.

Make sure that the hoses are not kinked.

- Sand and other abrasive substances cause faster wear and reduced pump unit performance. If water contains sand, use a pump pre-filter.
- Pumping contaminated water, for example containing stones, pine needles etc., can damage the pump unit.
- Do not pump heavily contaminated water.



### **DANGER!**

#### **Risk of injury**

Risk of injury due to unintentional startup.

→ Disconnect the plug from the mains socket.

### **3.1 Selecting the installation location**

- The surface must be low-vibration (e.g. do not place on metal sheets or plastic tanks) to ensure quiet operation.
- If installed below water level, a shut-off device must be installed to prevent unwanted water loss.
- The installation location must be level, firm and provide the PTU with a secure footing.
- It must be located at least 2 m away from open water.
- The PTU must be installed in a dry location with sufficient ventilation and with no risk of submersion.
- It must be at least 5 cm away from walls.
- Set up the PTU so that you can place an appropriately sized receptacle for emptying the PTU under the drain screw ⑳.
- To prevent water leaking onto the floor during the emptying process and to allow the PTU unit to be emptied fully, it must be possible to tilt the PTU forwards by approx. 80° towards the drain screw ⑳.
- If possible, install the PTU higher than the surface of the water you wish to pump.
- If this is not possible, install a vacuum-resistant shut-off valve between the pump unit and the suction hose.

### **3.2 Screwing the PTU onto a surface [Fig. A6/A7/A8]**

The PTU can optionally be screwed in place. A 1:1 drill template [Fig. A6] is provided at the back of the operating manual (261 mm x 190 mm). We recommend using four screws 7.5 x 45 (concrete screw) or 8 x 45 (wood screw) for installation on the floor. Hex head screws are recommended.

1. Drill the hole pattern of the 1:1 drilling template [Fig. A6] on your selected (solid) surface ③.
2. Use a screwdriver (max. 5 mm) and insert it into the side hole ① of one cover ① [Fig. A7].
3. Press the screwdriver to release the snap-on hook (2 hooks per cover ①).
4. While holding down the snap-on hook, pull the side cover ① off the base of the pressure vessel. Use the same procedure for the second cover.
5. Screw the PTU to the solid surface ③ by hand using four hex head screws ② (not supplied).
6. Push the two side covers ① back onto the base of the pressure vessel until the snap-on hooks snap into place.

### **3.3 Connecting the suction side**

The suction side connection ⑤ is fitted with a 33.3 mm (G 1") external thread. This connection is labeled with **(In)**.

The connection piece on the suction side may only be tightened by hand [Fig. A2].

A suction hose or permanent piping with a backflow preventer [Fig. A9] must be used to prevent malfunctions and ensure a short suction resumption time.

Drawing air into the suction system may result in a loss of function and increased noise.

→ Connect the suction hose carefully.

→ Check the seal at regular intervals and replace it if necessary.

Do not use modular water hose components on the suction side.

## **A vacuum-resistant suction hose must be used on the suction side [Fig. A3]:**

- For example, the GARDENA suction set Art. 1411/1412/1418
- or the GARDENA fountain suction hose Art. 1729.
- Connect suction hoses ④ without a threaded connection to the connection on the suction side using a suction hose connection piece (for example Art. 1723/1724), ensuring it is airtight.

### **3.3.1 Types of connection systems**

#### **Designed for a flat gasket:**

Including all GARDENA suction sets made of plastic. No thread sealing tape is required.

Ensure that the flat gasket ⑥ is inserted into the suction hose fitting and is undamaged.

#### **Designed for thread sealing tape (Teflon):**

If you use different connections, use sealing tape on the male thread of the connections.

→ An incorrect sealing system may cause leaks/air ingress and reduce the suction capacity.

→ Use the sealing system provided for this purpose.

### **3.3.2 Connecting the suction hose [Fig. A9]**

1. Ensure that the flat gasket ⑥ is inserted into the suction hose fitting.
2. Screw the vacuum-resistant suction hose ④ onto the connection on the suction side **(In)** ⑤ so that it is airtight. The suction hose fitting must be installed straight [Fig. A1].
3. Route the suction hose ④ so that it is straight and not twisted.
4. For suction heights above 3 m: Also secure the suction hose ④ (for example tie it to a wooden peg).

This relieves the PTU of the weight of the PTU.

If the water has very fine contamination, in addition to the integrated filter, a **Gardena pump pre-filter Art. 1730/1731** is recommended.

### **3.4 Connecting the hose to the pressure side**

- Use suitable shut-off valves for permanent installation on the pressure side. This is important for maintenance and cleaning work or for decommissioning, for example.
- When permanently installing the PTU indoors for the domestic water supply, the PTU should not be firmly connected to rigid pipes when connecting to the pipe network on the pressure side, instead flexible hose lines (e.g. armoured hose) should be used in order to reduce noise and avoid damage to the pump unit due to pressure surges.

To ensure good venting, do not connect the pressure hose until the PTU has been filled (see “4.2.1 Starting the pump unit”).

- There are two connections on the pressure side, which are equipped with a 33.3 mm (G 1“) external thread: One horizontal (180° rotatable) and one vertical connection. These connections are labelled with **(Out)**.

The unused connection must be closed with the plug cap ⑦a).

**The connection piece on the pressure side may only be tightened by hand. A fixed pipe must be installed at an upwards angle so that water can flow back into the pump unit on the pressure side. Efficient use of the pumping capacity of the pump unit is achieved by connecting:**

- 19 mm (3/4“) hoses in conjunction with the **GARDENA pump connection set Art. 1752** or
- 25 mm (1“) hoses with the **GARDENA female quick thread coupling Art. 7109/quick coupling hose connector Art. 7103**.

Hold or fix the pressure hose vertically to prevent it kinking at the vertical pump outlet. Lay the hose flat on the ground and ensure that there are no U-shaped rises in it or coiled hoses. The best way of allowing air to escape is for the pressure hose to be stretched out so that it runs upwards when viewed

from the PTU.

### 3.4.1 Connecting the pressure hose [Fig. A10]

Connect the pressure hose ⑥ to the connection on the pressure side ⑦. Ensure that the flat gasket ⑥ is inserted into the connection piece. If you use different connections, use sealing tape on the male thread of the connections.

### 3.4.2 Connect the pressure hose via the GARDENA combi system

The GARDENA combi system can be used to connect 19 mm (¾")/16 mm (⅝") and 13 mm (½") hoses.

Hose diameter	Pump connection	
13 mm (½")	GARDENA pump connection set	Art. 1750
16 mm (⅝")	GARDENA tap connector-GARDENA hose connector	Art. 18222Art. 18216
19 mm (¾")	GARDENA pump connection set	Art. 1752

### 3.4.3 Parallel connection of pressure hoses

If more than two pressure hoses are connected in parallel, we recommend the use of:

- e.g., the **GARDENA 2-way or 4-way distributor Art. 8193/8194**

or the **GARDENA 2-way valve Art. 940**. These can be screwed directly onto the connections on the pressure side ⑦.

### 3.5 Connecting the soil moisture sensor (optional) [Fig. A11]

1. Make sure that charged batteries or rechargeable batteries are inserted in the sensor.
2. Place the soil moisture sensor in the watering area.
3. Open the protective cover ④.
4. Insert the sensor plug into the sensor connector ② of the PTU.



### 4.1 Initial commissioning

#### 4.1.1 Commissioning the PTU for the first time

→ Connect your PTU to the power supply.

*The Welcome screen starts.*

*The **Select language** menu opens.*

#### 4.1.2 Selecting a language

1. To select a language, navigate with ▼.

2. Confirm your selection with ✓.

*The language is selected.*

*The status display is displayed.*

3. Now start setting up and operating your PTU.

### 4.2 Starting/stopping the pump unit [Fig. 01/02]



#### **CAUTION!**

##### **Dry running of the pump unit**

→ Make sure that the pump unit is filled with water up to the overflow (at least 2.2 l) before you start it.

#### 4.2.1 Starting the pump unit

1. Connect the suction hose (**In**).
2. Remove the pressure hose (**Out**).
3. Screw the cap ⑧ onto the filling opening ⑨ by hand.
4. Slowly add at least 2.2 l of water through the filling opening ⑨ until a stable water level is reached that is level with the suction connection [Fig. A4].
5. If using a suction set with check valve: Fill the suction hose with water. This speeds up the priming process.
6. Drain the residual water out of the pressure hose ⑥ before connecting it. This allows the air to escape during the priming process.
7. After filling the pump unit: Connect the pressure hose (Out) to the pump unit.
8. Screw the cap ⑧ fully onto the filling opening ⑨ by hand (do not use any tools).
9. Open any shut-off valves in the delivery line (watering accessories, water stop etc.). All consumers must be open as wide as possible.
10. Connect the power cable plug to a mains socket.
11. For high suction heights: Lift and hold the pressure hose ⑥ at least 1.8 m above the PTU during the priming process.
12. To start automatic mode, press the ● key (see "6 Operation").  
*The pump unit starts and delivers water after the priming process.*

#### **Note:**

- The priming process can take up to five minutes.
- When using for the first time, there may be a brief (approx. 10 seconds) increase in noise level near the tank.

**If the pump is not pumping water after five minutes:**

1. Let the pump unit cool down.
2. Look for possible causes in the error tables (see “11.2 Error messages”) and (see “11.3 Error table for the PTU”).
3. Restart the pump unit.

**4.2.2 Stopping the pump unit**

To stop automatic mode, press the **○** key.

**4.2.3 Max. flow values**

The pump unit has a bypass valve to enable short suction times. If the hose end is open without a watering accessory or the hose diameters are very large, the valve may not be able to change from suction to pump operation due to the hydraulic pressure conditions.

To take advantage of the full pumping power, you can then close the water outlet for about 1 second while the engine is running (e.g. by kinking the hose). This allows the valve to take its correct position. In standard applications with watering accessories such as sprayers and sprinklers, this is done automatically.

**4.3 Installing a pre-filter (accessory)**

If a pre-filter is too long, it may be installed in a different position (for example horizontally) rather than vertically facing downwards.

**4.4 Using sprinklers**

Switching the pump unit on and off automatically may result in an uneven irrigation pattern depending on the flow rate of the sprinkler. This effect can be cancelled by activating the special function “Power-boost” (see “8.3 Power Boost”).

## 5 FUNCTIONS

This chapter provides an overview of all the functions of your PTU. All adjustable functions can be found in the settings of your PTU (see “8 Settings”).

### 5.1 How the pressure tank unit works

After being filled, the pump unit draws in water from a depth of up to 8 m and pumps it into the pressure tank. This stores the water, which is pressurised by means of a pre-set air pressure and a separating membrane.

The pump unit starts when water is removed and the intended cut-in pressure is reached (see “12 Technical data”) and stops the filling process again when the switch-off pressure is reached. This means that small quantities of water can be pumped out of the pressure tank in an energy-efficient manner. At high flow rates, such as for irrigation, however, the pressure fluctuations between the on and off pressure are clearly perceptible. This effect can be cancelled by activating the special function “Powerboost”.

### 5.2 Adjustable pressure ranges

You can set the pressure range for your PTU manually (see “8.2 Mode (adjustable pressure ranges)”). You have the option of choosing between two predefined pressure ranges or an individually defined range:

	Art. 9067	Art. 9068
<b>ECO</b>		
<b>Cut-in pressure</b>	1.5 bar	1.5 bar
<b>Cut-out pressure</b>	2.6 bar	2.6 bar
<b>Normal</b>		
<b>Cut-in pressure</b>	1.8 bar	1.8 bar
<b>Cut-out pressure</b>	3.3 bar	3.3 bar
<b>Individual:</b>		
<b>Cut-in pressure</b>	1.5–2.3 bar	1.5–2.6 bar
<b>Cut-out pressure</b>	2.5–3.3 bar	2.5–3.6 bar

**Note:** A cut-out pressure of more than 3.3 bar is only possible at a suction height of less than 5 m.

### 5.3 Power Boost

The Powerboost function reliably detects high flow rates (e.g. in a sprinkler) and continues pumping despite reaching the switch-off pressure. After watering has been completed (including a follow-up time), the PTU returns to the previously selected pressure mode, provided that the demand is only for small flows (e.g. for toilet flushing or drip irrigation).

### 5.4 Bluetooth®

The Bluetooth function offers you a convenient way to control your PTU using the GARDENA Bluetooth® app. To do this, you must pair your PTU with your mobile device (Android® or iOS®) via Bluetooth® (see “8.4 Bluetooth”).

### 5.5 Timers and watering schedules

In addition to switching your PTU on and off manually, you can also switch it on and off using the timer function or watering schedules.

Note that when the consumer unit is open, the pressure tank drains after the timer has expired or at the end of the watering schedule, even though the pump unit is switched off.

### 5.5.1 Timer

The timer function allows you to set the desired run time of your PTU. You can choose between 1 and 99 minutes. As soon as the timer has expired, your PTU switches off automatically.

### 5.5.2 Irrigation schedules (exclusive app function)

The Bluetooth app allows you to create, manage and delete watering schedules for your PTU. So it's active and ready to draw water precisely when you need it. Please note that this feature is only available via the Bluetooth app.

#### Note:

The PTU schedules are based on the last synchronised time (last Bluetooth connection). If the PTU is disconnected from the mains for a long period of time, the time stored in the PTU pauses. To match the stored time to the current time again, connect the PTU to a mobile device.

#### Tip:

- Watering schedules can also be used to program rest times. To do so, set a schedule for the utilisation times.
- Synchronise the time during commissioning in the spring.  
*The schedules are saved.*

### 5.5.3 Optional soil moisture sensor (Art. 1867)

In addition to time-dependent control, there is also the option to take the soil moisture level into account. If there is sufficient soil moisture, watering is skipped. Make sure that there are charged rechargeable batteries or batteries in the soil moisture sensor.

## 5.6 Safe-pump

The PTU is equipped with the safe-pump function to protect it from damage during operation. The safe-pump function is able to detect the following occurrences:

- Suction problems during commissioning
- Dry running (e.g. water source is depleted)
- Overheating of the water
- Engine overheating
- Warning about the risk of frost
- Mechanical faults (e.g. jammed or missing check valve)

If one of these occurrences reaches a critical point, a safety switch-off or warning message is triggered (see "11.2 Error messages").

### 5.6.1 Automatic restart

In case of suction or dry running problems, an automatic restart takes place after 1, 5, 12 and finally every 24 hours. In the case of saved watering schedules, a restart takes place at the beginning of the next schedule.

## 5.7 Reminder

Use the reminder function to remind yourself of the next filter cleaning based on operating hours and your own experience (local water pollution level).

## 5.8 Direct start

With the "Direct start" function, the PTU starts as soon as it is supplied with power. This function is particularly suitable for operation with a timer or the GARDENA "smart Power adapter" (Art. 19095/19096).

## 5.9 Safety

Your PTU has two optional safety options.

### 5.9.1 Leakage detection

The leakage detection function can detect small leaks and thus prevent water loss. It ensures that your PTU is automatically stopped if a permanently low water flow is detected. This feature is disabled by default.

### 5.9.2 Maximum run time

The function “Max. run time” limits the time of continuous water output by performing a safety switch-off, e.g. in the case of a burst garden hose. By using the “Max. run time” function, it is possible to define how long the PTU can draw water continuously. As soon as the set time is reached, the PTU automatically stops and thus effectively protects against increased water loss due to possible major leaks in the piping system.

## 5.10 Factory settings

Use this function to reset your PTU to factory settings. This resets all of your settings, such as Bluetooth connections, schedules, maximum run time and other customisations.

### **Note:**

If you want to reconnect your mobile device after deleting all settings, an error message appears.

→ Remove your PTU from the Bluetooth® settings of your mobile device to correct the error.

## 6 OPERATION

You can operate the GARDENA pressure tank units 5600 and 6300 via the device's own control panel or conveniently via the GARDENA Bluetooth® app in conjunction with a mobile device.

### 6.1 Operating the pressure tank unit via app

The free GARDENA Bluetooth® app is available from the App Store (Apple) or Google Play.



Or scan the QR code.

#### System requirements:

At least Android 5.0/iOS 13.X

1. Download the GARDENA Bluetooth® app from the App Store (Apple) or Google Play.
  2. Make sure that there is a clear field of vision between you and your PTU.
  3. Select your PTU in the app and follow the step-by-step instructions (see "5.4 Bluetooth®").
- The range depends on the mobile device.
  - Depending on the device, a delay (1–5 seconds) of the display data can occur.

### 6.2 Operating the pressure tank unit with the keys

#### 6.2.1 Symbols on the screen

▶ Start

✓ Confirm

⚙ Settings

↶ Back

⏹ Stop

▼ Scroll/change value

✕ Cancel

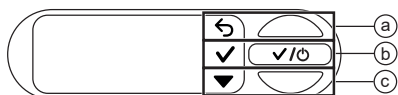
🔒 Keys locked

📶 Bluetooth® connected

*Symbol flashes:*

Pairing mode (see "8.4.2 Pairing (Connecting a mobile device for the first time)")

#### 6.2.2 Explanation of the control panel:



The ①, ② and ③ keys reflect the three icons on the display:

- Use the upper key ① to select the upper icon.
- Use the middle key ② to select the middle icon.
- Use the lower key ③ to select the lower icon.

#### 6.2.3 Menu navigation

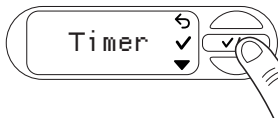
→ To open the menu, select the ⚙ icon by clicking the lower key ③.



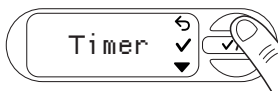
→ To navigate through the menu, select the ▼ icon by clicking the lower key ③.



→ To open a menu item, click the middle key ②.



→ To exit the menu or selected submenu, select the ↶ icon by clicking the upper key ①.



### 6.2.4 Power saving function

The screen dims after one minute and turns off after another minute.

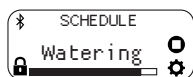
→ Press any key to turn the screen back on.

### 6.2.5 Child lock

→ Press and hold the middle key ② for 5 seconds to lock (🔒) or unlock the screen.

*Watering can be stopped manually even if the screen is locked.*

#### Example:



- 🔒 The screen is locked.
- ⓘ Stop watering manually.

## 7 MESSAGES ON THE SCREEN

### 7.1 Status indicators

	PTU in automatic mode - Pump unit currently started.
	Automatic mode is switched off. Water can be removed from the pressure tank.
	PTU in automatic mode - Pump unit is currently switched off until cut-in pressure is undershot due to water extraction.
	PTU ready for operation for a defined period of time - After the timer has expired, status switches to "OFF"
	Water is drawn in until a stable flow is achieved. After completion (up to 5 minutes), the system switches to ON/READY status.
	The PTU has detected a high flow rate and continues watering despite reaching the switch-off pressure (when the Power Boost function is enabled).
	<p>✂ Bluetooth® connected</p> <p>○ Stop watering manually.</p> <p>⚙ To the settings</p>

### 7.2 Informative messages


These messages provide you with information about possible hazards for the PTU at an early stage.

→ Look for the possible cause in the table below and resolve the problem.

→ Close the message with ✓.






Message	Possible cause	Remedy
Risk of frost 	Your PTU has been exposed to near-freezing temperatures in the last few hours.	→ Decommission your PTU. → Store your PTU in a frost-proof place.
Hot water 	Your PTU has a high operating temperature.	→ Check the water flow. → If necessary, change the location of your PTU.
Clean filter 	Your pre-set cleaning interval has been reached.	→ Clean the filter (see "9.4 Cleaning the filter [Fig. M2]"). → Confirm with ✓ to reset the cleaning interval. → If necessary, adjust the cleaning interval (see "5.7 Reminder").
Max. run time reached 	Your pre-set run time limit has been reached.	→ If necessary, adjust the max. run time (see "5.9.2 Maximum run time"). → Close the message with ✓.



Message	Possible cause	Remedy
Leakage stop  WARNING Leakage stop ✓	A leak has been detected.	→ Check all hoses and connected devices for leaks and replace them if necessary. → Close the message with ✓.

**Note:** Small consumers, such as drip watering, can simulate a leak. It may be necessary to switch off the leak detection for such consumers.

### 7.3 On-screen messages related to Bluetooth®function:

Message	Possible cause	Remedy
Soil moisture too high  INFO Soil moistur ✓	The measured soil moisture is higher than the previously set value. The watering cycle has been skipped.	→ If necessary, adjust the soil moisture sensor setting. → Close the message with ✓.
Rain pause  INFO Rainpause ✓	The message appears when the rain pause feature has been enabled in the app. The PTU skips the watering schedule as long as the rain pause is active.	→ If necessary, deactivate the rain pause in your app. → Close the message with ✓.
Connect to Bluetooth device  INFO Connect to B ✓	The system time must be updated. The reason may be a long power interruption.	→ Connect your mobile device to your PTU (see "8.4.2 Pairing (Connecting a mobile device for the first time)"). <i>The time synchronises automatically.</i>
Next schedule in 2 hours  NEXT SCHEDULE 1:59 h	For the last 2 hours before watering, the message is displayed every 15 minutes for 5 seconds.	→ Regularly make sure that your PTU can pump water. → Select ✕ to cancel the schedule. → Select ▶ to start the PTU immediately. → Select ⚙ to open the settings.
Next schedule in 5 minutes  NEXT SCHEDULE 4:59 min	Less than 5 minutes until the next schedule begins.	→ Make sure that the PTU can pump water. → Select ✕ to cancel the schedule. → Select [img_play_table_text] to start the PTU immediately. → Select ⚙ to open the settings.

## 8 SETTINGS

The operation of the “Settings” menu is explained in chapter (see “6.2.3 Menu navigation”).

### 8.1 Timer

→ Open the Timer menu to start or set the timer.

*The timer is factory set to 15 minutes by default.*



→ Starting the timer

→ Select ✓ to start the timer.

*After a 3-second countdown has elapsed, the PTU switches on.*

→ You can cancel the countdown by selecting [img\_cancel].

→ Stopping the timer

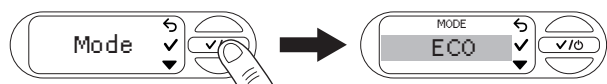
→ Select ○ to stop the timer.

1. Setting the timer
2. Navigate to Set run time with ▼.
3. Confirm with ✓ to set the run time.
4. Select ▼ to set the first digit of the desired minute number.
5. Confirm with ✓ to move to the next digit block.
6. Select ▼ to set the second digit of the desired minute number.
7. Confirm with ✓ to save the timer value and start the timer.

*After a 3-second countdown has elapsed, the PTU switches on.*

### 8.2 Mode (adjustable pressure ranges)

→ Open the Mode menu to select between Eco, Normal and Individual.



#### 8.2.1 Mode selection

1. Use ▼ to navigate to the desired mode (see “5.2 Adjustable pressure ranges”).

*Confirm with ✓.*

*The screen displays “Saved”.*

## 8.2.2 Individual mode

1. Use ▼ to navigate to “Individual”
2. Confirm with ✓ to select personalised pressure values for the cut-in and cut-out pressure.



3. Select the desired cut-in pressure with ▼.
4. Confirm with ✓.



5. Select the desired cut-out pressure with ▼.

Confirm with ✓.

*The desired cut-in and cut-out pressure has been saved. The screen displays “Saved”. The PTU is now operated in individual mode.*

**Note:** To ensure optimum operation, the PTU prevents the setting of a pressure difference between the cut-in and cut-out pressure of less than 1 bar.

## 8.3 Power Boost

1. Open the “Power Boost” menu.



2. Use ▼ to switch the function on or off.
3. Confirm your selection with ✓.

*The screen displays “Saved”.*

## 8.4 Bluetooth

To use the Bluetooth function, you will need the GARDENA Bluetooth® app (see “6.1 Operating the pressure tank unit via app”).

### 8.4.1 Switching Bluetooth on and off

1. Open the “Bluetooth” menu.



2. Use ▼ to switch the function on or off.
3. Confirm your selection with ✓.

*The screen displays “Saved”.*

### 8.4.2 Pairing (connecting a mobile device for the first time)

In pairing mode, your pressure tank unit is available for Bluetooth connection to a mobile device that is not yet connected. After successful pairing, the Bluetooth® app automatically connects to your pressure tank unit without having to pair it again.

1. Open the GARDENA Bluetooth® app on your mobile device.
2. Open the Bluetooth menu and navigate to “Pairing” with ▼.
3. Confirm your selection with ✓.



4. You now have 3 minutes to connect your mobile device.
5. Follow the instructions in the GARDENA Bluetooth® app.

**Connection successful:** The screen shows “Success”.

**Connection failed:** The screen displays “Failed”.

6. Select ▼ to try pairing again.
7. Confirm your selection with ✓.

### 8.4.3 Deleting devices

Here you can remove all devices connected to the PTU from the Bluetooth® app.

1. Open the GARDENA Bluetooth® app on your mobile device.
2. Open the Bluetooth menu and use ▼ to navigate to “Delete devices”.
3. Confirm your selection with ✓.



4. Confirm with ✓ to remove all devices from the Bluetooth® app.

The screen shows “Success”.

#### Note:

If you want to reconnect your mobile device after deleting it, an error message appears.

→ Remove the PTU from the Bluetooth® settings of your mobile device and try again.

## 8.5 Brightness

You can change the brightness of your screen between 1 and 5.

1. Open the “Brightness” menu.



2. Select ▼ to adjust the brightness.
3. Confirm with ✓ to select the brightness.

*The screen displays “Saved”.*

## 8.6 Language

1. Open the “Language” menu.



2. Select ▼ to navigate between languages.
3. Confirm with ✓ to select a language.

*The screen displays “Saved”.*

### Tip: Incorrect language selected

If an incorrect language is selected, you can change this in the settings of your device within the GAR-DENA Bluetooth® app or perform the following steps.

1. Open the settings ⚙.
2. Press ▼ 5 times to navigate to the Language menu.
3. Confirm with ✓.

*The screen shows the language selection.*

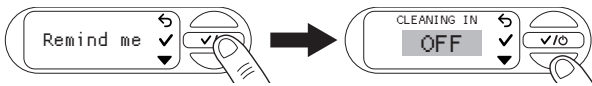
4. Use ▼ to navigate to the desired language.
5. Confirm with ✓.

*The screen displays “Saved”.*

## 8.7 Reminder

1. Open the "Reminder" menu.

*No cleaning interval is set at the factory.*



2. Select ▼ to navigate between the times.
3. Confirm your selection with ✓.

*The screen displays "Saved" and the cleaning interval begins.*

**Note:** Help for setting an appropriate cleaning interval

- Visually check your filter when you receive the Clean filter message.
- If the filter is only slightly dirty, you can increase the maintenance interval.
- If the filter is heavily soiled, clean it and reduce the maintenance interval.
- If the filter is frequently heavily soiled, use the "Floating suction" accessory or a pump pre-filter.

## 8.8 Direct start

If this function is switched on, the pump unit starts directly in automatic mode when the power is supplied.

1. Open the "Direct start" menu.



2. Navigate with ▼ to perform the desired setting.
3. Confirm your selection with ✓.
4. Select ▼ to read the next page of the warning.
5. Confirm with ✓ when you reach the end of the warning.

*The screen displays "Warning".*

*The screen shows "Disconnect power".*

6. You can now disconnect the power supply from the PTU or confirm with ✓ to return to the menu.

## 8.9 Safety

This menu displays the functions that monitor the flow of the PTU and, in the event of an error, switch off the PTU.

### 8.9.1 Leakage

1. Open the “Safety” menu.



2. Use ✓ to switch the Leakage function on or off.

*The screen shows OFF.*

3. Use ▼ to navigate between “OFF” and “ON”.

4. Confirm your selection with ✓.

**Note:** The function cannot provide guaranteed protection.

### 8.9.2 Max. run time

1. Open the “Safety” menu.

2. Navigate to “Max. run time” with ▼.



3. Confirm with ✓.

*The current setting of your maximum run time opens.*

4. Navigate with ▼ to perform the desired setting.

5. Confirm with ✓.

*The screen displays “Saved”.*

**Note:** The function cannot provide guaranteed protection.

## 8.10 Factory settings

1. Open the “Factory settings” menu.



2. Confirm with ✓ to delete all settings you have made.

*The screen shows “Success”.*

### **DANGER!** **Risk of injury**

Risk of injury due to unintentional startup.

→ Disconnect the plug from the mains socket.

→ Make sure that all parts have been properly secured after maintenance.

### **9.1 Cleaning the pressure tank unit [Fig. M1]**

### **DANGER!** **Risk of injury and damage to property!**

Not cleaning the product properly can injure people and damage the product.

→ Do not use water or a water jet (especially a high-pressure water jet) to clean the product.

*Do not use chemicals, including gasoline or solvents, to clean the product.*

*Some of these substances can destroy important plastic parts.*

→ Clean the housing of the pressure tank unit with a damp cloth.

### **9.2 Flushing the pump unit**




The pump unit must be flushed after it has pumped chlorinated water.

1. Pump lukewarm water (max. 35°C), possibly with the addition of a mild cleaning fluid (e.g. washing-up liquid), until the pumped water is clear.
2. Dispose of the residues as specified in local waste disposal guidelines.

### **9.3 Checking the air pressure in the reservoir [Fig. M1]**

Check the air pressure in the reservoir if the device starts to misbehave.

The air pressure in the reservoir must be 1.0 bar. An air pump/tyre inflator with a pressure gauge is required to top up the air. Excessive air pressure does not increase the water pressure and causes malfunctions.

1. Unscrew the protective cap .
2. Open any shut-off valves in the delivery line (watering accessories, water stop etc.).
3. This causes the pressure side to depressurise.
4. Attach the air pump/tyre inflator to the reservoir valve  (car valve).
5. Top up with air until the pressure gauge on the air pump/tyre inflator shows 1.0 bar.
6. Screw the protective cap  back into place.



### 9.4 Cleaning the filter [Fig. M2]

Depending on the level of water pollution, the filter should be cleaned at regular intervals, at the latest if it malfunctions.

1. Close all the shut-off valves on the suction side.
2. Open any shut-off valves in the delivery line (watering accessories, water stop etc.).
3. This causes the pressure side to depressurise.
4. Unscrew the fitting ⑧ on the filler neck ⑨ by hand (do not use any tools).
5. Pull the filter ⑬ vertically out of the filler neck ⑨.
6. Hold the cup ⑭ tight and turn the filter ⑬ anticlockwise out of the cup ⑭ (bayonet lock).
7. Rinse the cup ⑭ under running water.
8. Use e.g. a soft brush to clean the filter ⑬.
9. Reinstall the filter ⑬ in reverse order.

### 9.5 Cleaning the check valve [Fig. M3/M4]

1. Open the dirt cover ④ of the soil moisture sensor or unplug the connected soil moisture sensor.
2. Unscrew the 6 screws ⑮a, ⑮b and ⑮c.
3. Pull off the two shells ⑮.
4. Unscrew the cap ⑱ anticlockwise using an Allen key (width 10).
5. Pull the check valve ⑲ out of the valve opening ⑵.
6. Rinse the check valve ⑲ under running water.
7. Clean the valve opening ⑵ with a damp cloth (without cleaning fluid).
8. Reinstall the check valve ⑲ in reverse order.
9. Check the movement of the check valve ⑲.
10. Reinstall the two shells ⑮ in reverse order.
11. Close the dirt cover ④ of the soil moisture sensor or plug the soil moisture sensor back in.

## 10 STORAGE

---

**CAUTION!****Damage to the PTU due to frost**

→ Store the PTU in a frost-proof place.

### 10.1 Decommissioning and storage [Fig. S1]

**The product must be stored away from children.**

1. Disconnect the plug from the mains socket.
2. Close any shut-off valves in the suction line.
3. Open any shut-off valves in the delivery line (watering accessories, water stop etc.).
4. This causes the pressure side to depressurise.
5. Unscrew the fitting ⑧ on the filler neck ⑨ and the water drain plug ⑳ by hand.
6. This empties the PTU.
7. Tilt the PTU slightly towards the drain (up to 80°) so that the PTU drains fully.
8. Unscrew the suction hose and the pressure hose.
9. Screw the fitting tight ⑧ on the filling opening ⑨ and the water drain plug ⑳ by hand (do not use any tools).
10. Store the PTU in a dry, covered and frost-proof location.

## **⚠ DANGER!** **Risk of injury**




- Risk of injury due to unintentional startup.
- Disconnect the plug from the mains socket.
  - Allow the PTU to cool before troubleshooting.




### 11.1 Releasing the impeller [Fig. M3/T1]

If the impeller has been blocked by contamination (pump unit hums), it can be released.



1. Open the dirt cover ① of the soil moisture sensor or unplug the connected soil moisture sensor.
2. Unscrew the 6 screws ⑮a, ⑮b and ⑮c.
3. Pull off the two shells ⑮.
4. Pull the rubber plug ⑰ out of the service opening ⑳.
5. Turn the impeller shaft ㉑ clockwise using an insulated flat-blade screwdriver.  
*This will release the blocked impeller.*
6. Reinstall the rubber plug ⑰ and both shells ⑮ in reverse order. Make sure that the screws ⑮a, ⑮b and ⑮c are assigned to the correct screw holes depending on their length.
7. Close the dirt cover ① of the soil moisture sensor or plug the soil moisture sensor back in.

### 11.2 Error messages

Problem	Possible cause	Remedy
Very hot water  WARNING Very hot water	The water in the PTU is significantly heated. Water leakage and contact will result in injury.	→ Do not touch the stainless steel housing of the PTU or any escaping water. → Do not open any fastenings or screw joints on the PTU and the connected devices. → Let the PTU cool down. → Ensure that the water supply on the suction side is present before restarting. → Fill the PTU completely with water. → Open the pressure-side consumer.
Frost  WARNING Frost	There is an acute risk of frost damage.	→ Decommission the PTU immediately. → Store the PTU in a frost-proof place.
Hardware error  WARNING Hardware error	There is an error with the hardware of the PTU.	→ Disconnect the PTU from the power supply and contact GARDENA Service.

Problem	Possible cause	Remedy
<b>Error 0</b>  WARNING Error 0 ✓	The check valve is blocked or not installed.	→ Check the check valve for smooth movement and contamination (see “9.5 Cleaning the check valve [Fig. M3/M4]”). → Close the message with ✓.
<b>Max. run time reached</b>  INFO Max. runtime ✓	Your pre-set run time limit has been reached.	→ If necessary, adjust the max. run time (see “5.9.2 Maximum run time”). Close the message with ✓.
<b>Leakage stop</b>  WARNING Leakage stop ✓	A leak has been detected.	→ Check all hoses for leaks. → Replace any damaged hoses if necessary. Contact GARDENA Service for this. → Close the message with ✓.

### 11.2.1 Messages related to errors 1, 2, 10 and 11

Message	Remedy
<b>Cooling</b>  WARNING   4:59 Error 1: Cool ✓	If the respective error has been triggered 3 times within 30 minutes, the PTU starts a 5-minute cooling phase. → Let the PTU cool down and do not open it!
<b>New attempt</b>  2:59 h ✕ Error 1: Try	→ Wait for the countdown to expire, or 1. Select ✕ to cancel the automatic restart. 2. Manually restart the PTU.

### 11.2.2 Errors 1 and 2



Problem	Possible cause	Remedy
<b>Switch-off pressure cannot be reached</b>	The suction depth is too great for the selected switch-off pressure.	→ Select a lower switch-off pressure.
<b>PTU does not suction</b>		→ Use a suction hose with backflow preventer (see “13 Accessories/spare parts”) or install a backflow preventer on your suction line. This can solve many suction problems. → Fill the PTU and your suction hose or suction line with water before starting.

Problem	Possible cause	Remedy
	Malfunction on the suction side, e.g. no water in the cistern, water tank, water pipe etc.	<ul style="list-style-type: none"> <li>→ Immerse the end of the suction hose in water.</li> <li>→ Eliminate the possible leaks on the pressure side.</li> <li>→ Clean the check valve on the suction line and check the installation direction.</li> <li>→ Clean the suction filter at the end of the suction hose.</li> <li>→ Clean the seal of the filter cover and fully tighten the cover (see “9 Maintenance”).</li> <li>→ Clean the filter in the pressure tank unit.</li> </ul>
	The check valve is dirty.	→ Clean the check valve (see “9.5 Cleaning the check valve [Fig. M3/M4]”).
	The suction hose is deformed or bent.	→ Use a new suction hose.
	The consumer is closed or the hose is kinked.	<ul style="list-style-type: none"> <li>→ Open the consumer.</li> <li>→ Stop the PTU by pressing the middle key <b>b</b>.</li> <li>→ Remove the kink from the hose.</li> </ul>
	There is a leak in the fitting on the filler neck [Fig. A2].	→ Check the seal and replace it if necessary. Tighten the fitting by hand without using tools.
	Air cannot escape because the pressure hose is coiled up	<ol style="list-style-type: none"> <li>1. Lay the pressure hose fully out straight.</li> <li>2. Route the hose upwards from the pump outlet.</li> <li>3. Do not kink the pressure hose at the pump outlet.</li> <li>4. Open all consumers as much as possible.</li> </ol>
<b>PTU does not start</b>	The housing has heated up and the thermal circuit breaker has been triggered.	<ul style="list-style-type: none"> <li>→ Let the PTU cool down.</li> <li>→ Release pressure by opening existing shut-off devices in the pressure line.</li> </ul>
<b>The suction height is too great for the selected switch-off pressure</b>	The suction height is too great for the selected switch-off pressure.	→ Decrease the suction height or select a lower switch-off pressure (see “8.2.2 Individual mode”).

### 11.2.3 Error 10 and 11



Problem	Possible cause	Remedy
<b>Water flow interrupted</b>	Malfunction on the suction side, e.g. no water in the cistern, water tank, water pipe etc.	→ Immerse the end of the suction hose in water. → Eliminate the possible leaks on the pressure side. → Clean the check valve on the suction line and check the installation direction. → Clean the suction filter at the end of the suction hose. → Clean the seal of the filter cover and fully tighten the cover (see "9 Maintenance"). → Clean the filter in the pressure tank unit.
	The check valve is dirty.	→ Clean the check valve (see "9.5 Cleaning the check valve [Fig. M3/M4]").
	The suction hose is deformed or bent.	→ Use a new suction hose.
	The thermal circuit breaker has been triggered (overheated engine).	→ Let the PTU cool down.
<b>Switch-off pressure cannot be reached</b>	The suction height is too great for the selected switch-off pressure.	→ Decrease the suction height or select a lower switch-off pressure (see "8.2.2 Individual mode").

### 11.3 Error table for the PTU

Problem	Possible cause	Remedy
<b>Pump unit does not start or stops suddenly during operation</b>	Thermal overload switch has shut down the pump unit due to overheating.	→ Let the pump unit cool down, drain the PTU and refill it. → Note the maximum media temperature (35°C).
	PTU is without power.	→ Check the fuses and electrical connectors.
	RCD switch has tripped (residual current).	→ Remove the plug from the mains socket and contact GARDENA Service.
	Cut-out pressure has been reached or the cut-in pressure has not yet been reached.	→ No error: Automatic mode
<b>Pump unit is running, but the flow rate decreases suddenly</b>	The integral filter is clogged	→ Clean the integral filter.
	The end of the suction hose is not in water [Fig. A5].	→ Immerse the suction hose end deeper into the water.

Problem	Possible cause	Remedy
	Suction filter or backflow preventer in the suction hose are clogged.	→ Clean the suction filter or backflow preventer.
	Suction line is leaking [Fig. A2].	→ Rectify the leak.
	Impeller is blocked (pump hums).	→ Release the impeller.
	Pressure hose is kinked.	→ Route the pressure hose without kinking it and do not bend the pressure hose at the pump outlet.
<b>The lid on the filling opening of the filter cannot be unscrewed by hand</b>	The thread is dirty.	→ To unscrew the component, use multigrip pliers with a cloth between the component and the pliers. → Clean the thread on the lid and on the filler opening.
<b>Unusual switching behaviour (suddenly different).</b>	The pressure in the reservoir is too low.	→ Refill the air in the reservoir to 1 bar pressure.
	Leakage on the pressure side.	→ Eliminate the leak on the pressure side.
	The reservoir membrane is damaged.	→ Have the product checked by GARDENA Service.

### IMPORTANT!

Repairs may only be carried out by GARDENA service centres or by specialist dealers approved by GARDENA.

→ Please contact your GARDENA service centre in the event of other faults (see reverse).

## 12 TECHNICAL DATA

<i>Pressure tank unit</i>	<i>Unit</i>	<i>Value (Art. 9067)</i>	<i>Value (Art. 9068)</i>
<b>Rated power</b>	W	900	1050
<b>Mains voltage</b>	V (AC)	230	230
<b>Mains frequency</b>	Hz	50	50
<b>Max. delivery capacity</b>	l/h	5600	6300
<b>Max. pressure /Max. delivery head</b>	bar/m	4.7 47	4.9 49
<b>Max. self-priming level</b>	m	8	8
<b><i>Working pressure (cut-in to cut-out pressure)</i></b>			
<b>ECO</b>			
<b>Cut-in pressure</b>	bar	1.5	1.5
<b>Cut-out pressure</b>	bar	2.6	2.6
<b>Normal</b>			
<b>Cut-in pressure</b>	bar	1.8	1.8
<b>Cut-out pressure</b>	bar	3.3	3.3
<b>Individual:</b>			
<b>Cut-in pressure</b>	bar	1.5–2.3	1.5–2.6
<b>Cut-out pressure</b>	bar	2.5–3.3	2.5–3.6
<b>Permissible internal pressure (pressure side)</b>	bar	6	6
<b>Air pressure in tank</b>	bar	1.0 ± 0.1	1.0 ± 0.1
<b>Power cable</b>	m	1.5 (H07RN-F)	1.5 (H07RN-F)
<b>Weight without cable (approx.)</b>	kg	16.9	17.2
<b>Sound pressure level</b>			
<b>L<sub>PA</sub></b>	dB	564236	584438
<b>Distance: 1 m5 m10 m</b>	dB dB dB		
<b>Sound power noise level L<sub>WA</sub><sup>1)</sup></b>			
<b>measured/guaranteed</b>	dB(A)	64 / 67	66 / 692.20
<b>Uncertainty k<sub>WA</sub></b>	dB(A)	2.35	
<b>Max. media temperature</b>	°C	35	35
<b><i>Internal SRD (short-range radio antennas)</i></b>			
<b>Frequency range</b>	GHz	2.402–2.480	2.402–2.480
<b>Maximum transmission power</b>	mW m	10 10	10 10
<b>Free-field radio range (approx.)</b>			

Measurement methods according to: 1) Directive 2000/14/EU



## 13 ACCESSORIES/SPARE PARTS

<b>GARDENA suction hoses</b>	Kink- and vacuum-resistant, available either by the metre Art. 1720/1721 (19 mm (3/4")/25 mm (1")) without connection fittings or in fixed lengths Art. 1411/1418 complete with connection fittings.	
<b>GARDENA suction hose connector)</b>	For connection on the suction side.	<b>Art. 1723/1724</b>
<b>GARDENA pump connection set</b>	For connection on the pressure side.	<b>Art. 1750/1752</b>
<b>GARDENA suction filter with backflow preventer</b>	For installing in suction hoses supplied by the metre.	<b>Art. 1726/1727 /1728</b>
<b>GARDENA pump pre-filter</b>	Recommended for pumping water that contains sand.	<b>Art. 1730/1731</b>
<b>GARDENA fountain suction hose</b>	For vacuum-resistant connection of the PTU to tube wells or rigid pipes. Length 0.5 m. With 33.3 mm (G 1) female thread on both sides.	<b>Art. 1729</b>
<b>GARDENA floating suction</b>	For dirt-free suction below the water surface.	<b>Art. 1417</b>
<b>GARDENA quick coupler</b>	For pressure side connection of 1" pressure hoses.	<b>Art. 7109/7103</b>
<b>GARDENA soil moisture sensor</b>	For watering depending on soil moisture.	<b>Art. 1188/1867</b>
<b>GARDENA extension cable (length: 10 metres)</b>	To extend the sensor cable up to a maximum of 105 metres.	<b>Art. 1868</b>

### 14.1 Product registration

Please register your product at [gardena.com/registration](https://www.gardena.com/registration).

### 14.2 Service

Please find the current contact information of our service on the back page and online:

- United Kingdom: <https://www.gardena.com/uk/support/advice/contact/>
- Australia: <https://www.gardena.com/au/support/advice/contact/>
- New Zealand: <https://www.gardena.com/nz/support/advice/contact/>
- South Africa: <https://www.gardena.com/za/support/contact/>

### 15.1 Disposal of the pressure tank unit

(in accordance with Directive 2012/19/EU/S.I. 2013 No. 3113)



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

#### **IMPORTANT!**

→ Dispose of the product through or via your local recycling collection centre.

## 16 ANNEX

---

### 16.1 Assignment of trademarks

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by GARDENA is under licence.

Apple and the Apple logo are trademarks of Apple Inc., registered in the United States and other countries. App Store is a service mark of Apple Inc., registered in the United States and other countries.

Google and the Google Play logo are trademarks of Google LLC.

Other trademarks and trade names are those of their respective owners.

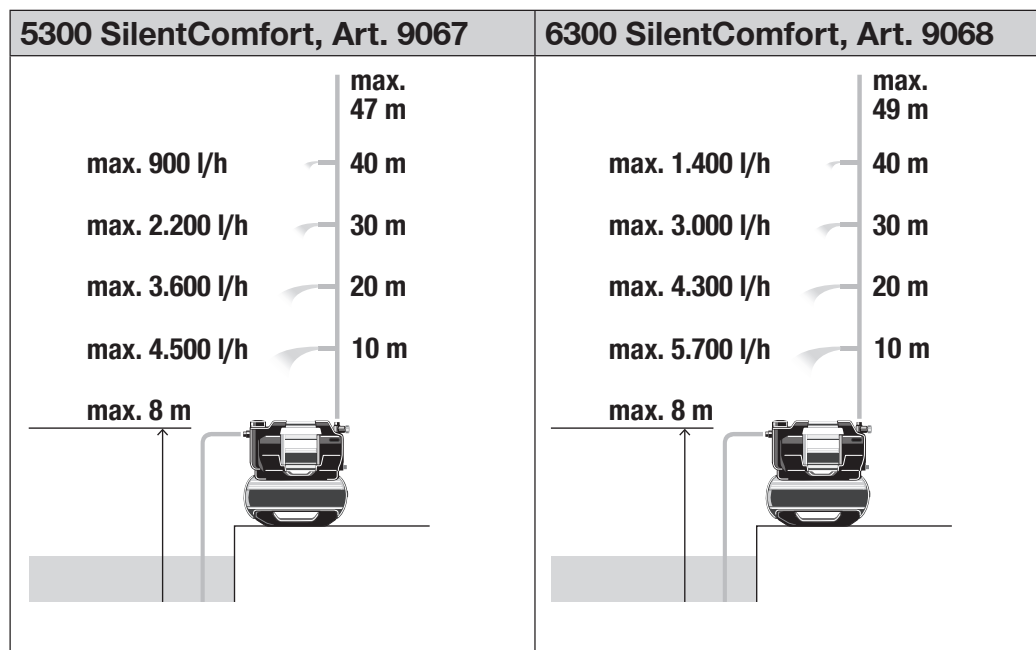
### 16.2 EC Declaration of Conformity

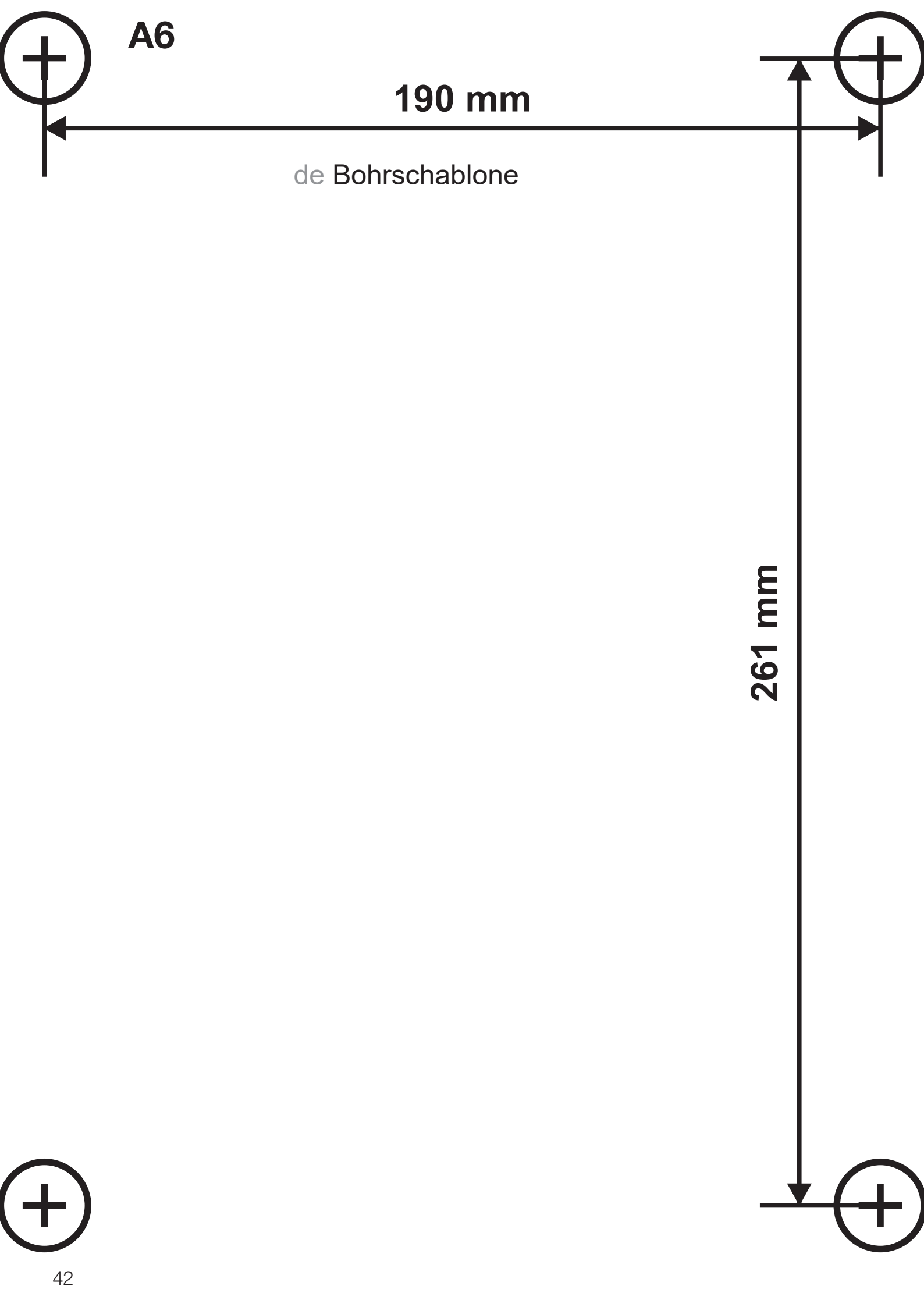
GARDENA Manufacturing GmbH hereby certifies that the radio equipment type (Art. 9067/9068) is in compliance with directive 2014/53/EU.

The full text of the EC declaration of conformity is available at the following Internet address:

<http://www.gardena.com/int/support/safety-regulations>.

## 17 PERFORMANCE CHARACTERISTICS





A6

190 mm

de Bohrschablone

261 mm

42

## Deutschland / Germany

GARDENA Manufacturing GmbH  
Central Service  
Hans-Lorenser-Straße 40  
D-89079 Ulm  
Produktfragen:  
(+49) 731 490-123  
Reparaturen:  
(+49) 731 490-290  
www.gardena.com/de/kontakt

## Albania

KRAFT SHPK  
Autostrada Tirane-Durres  
Km 7  
1051 Tirane  
Phone: (+355) 69 877 7821  
info@kraft.al

## Argentina

ROBERTO C. RUMBO S.R.L.  
Predio Norlog  
Lote 7  
Bernaldez, ZC: 1621  
Buenos Aires  
Phone: (+54) 11 5263-7862  
ventas@rumbosrl.com.ar

## Armenia

AES Systems LLC  
Marshall Babajanyan Avenue 56/2  
0022 Yerevan  
Phone: (+374) 60 651 651  
masisohanyan@icloud.com

## Australia

Husqvarna Australia Pty. Ltd.  
Locked Bag 5  
Central Coast BC  
NSW 2252  
Phone: (+61) (0) 2 4352 7400  
customer.service@husqvarna.com.au

## Austria / Österreich

Husqvarna Austria GmbH  
Industriezeile 36  
4010 Linz  
Tel.: (+43) 732 77 01 01-485  
www.gardena.com/at/service/beratung/kontakt/

## Azerbaijan

Progres Xüsusi Firması  
Aliyar Aliyev 212, Baku, Azerbaijan  
Sales: +994 70 326 07 14  
Aftersales: +994 77 326 07 14  
www.progress-garden.az  
info@progress-garden.az

## Bahrain

M.H. Al-Mahroos  
BUILDING 208, BLOCK 356,  
ROAD 328  
Salhiya  
Phone: +973 1740 8090  
almahroos@almahroos.com

## Belarus / Беларусь

ООО «Мастер Гарден»  
220118, г. Минск,  
улица Шаранговича, дом 7а  
Тел. (+375) 17 257 00 33  
mg@mastergarden.by

## Belgium

Husqvarna Belgium nv  
Gardena Division  
Louvensesteenweg 542  
Planet II E  
1930 Zaventem  
Belgie

## Bosnia / Herzegovina

Silk Trade d.o.o.  
Poslovna Zona Vila Br. 20  
Phone: (+387) 61 165 593  
info@silktrade.com.ba

## Brazil

Nordtech Maquinas e Motores Ltd.  
Avenida Juscelino Kubitschek  
de Oliveira Curitiba  
3003 Brazil  
Phone: (+55) 41 3595-9600  
contato@nordtech.com.br  
www.nordtech.com.br

## Bulgaria

AGROLAND България АД  
бул. 8 Декември, № 13  
Офис 5  
1700 Студентски град  
София  
Тел.: (+359) 24 66 6910  
info@agroland.eu

## Canada / USA

GARDENA Canada Ltd.  
125 Edgeware Road  
Unit 15 A  
Brampton L6Y 0P5  
ON, Canada  
Phone: (+1) 905 792 93 30  
gardena.customerservice@husqvarnagroup.com

## Chile

REPRESENTACIONES JCE S.A.  
AV. DEL VALLE NORTE 857 PISO 4  
HUECHURABA, SANTIAGO, CHILE  
Phone: (+56) 2 2414 2600  
contacto@jce.cl

## China

办公室地址：  
上海市长宁区金钟路788号荟聚办公楼D栋7楼  
03-05单元  
Office Add:  
Unit3-5, 7F, Livat Tower D, No.788, Jin Zhong Rd., Chang  
Ning Dist., Shanghai, PRC 200335

## Colombia

Equipos de Toyama Colombia SAS  
Cra. 68 D No 25 B 86 Of. 618  
Edificio Torre Central  
Bogota  
Phone: +57 (1) 703 95 20 /  
+57 (1) 703 95 22  
servicioalcliente@toyama.com.co  
www.toyama.com.co

## Costa Rica

Exim CIA Costa Rica  
Calle 25A, B°. Monteleagre  
Zapote  
San José  
Costa Rica  
Phone: (+506) 2221-5654 / (+506) 2221-5659  
eximcostarica@gmail.com

## Croatia

Husqvarna Austria GmbH

Industriezeile 36  
4010 Linz  
Phone: (+43) 732 77 01 01-485  
service.gardena@husqvarnagroup.com

## Cyprus

Pantelis Papadopoulos S.A.  
92 Athinou Avenue  
Athens  
10442 Greece  
Phone: (+30) 21 0519 3100  
info@pantelispapadopoulos.com.gr

## Czech Republic

Gardena  
Service Center Vrbno  
c/o Husqvarna  
Manufacturing CZ s.r.o.  
Jesenická 146  
79326 Vrbno pod Prádemem  
Phone: 800 100 425  
servis@gardena.cz

## Denmark

GARDENA DANMARK  
Lejvej 19, st.  
3500 Værløse  
Tit.: (+45) 70 26 47 70  
gardenack@husqvarnagroup.com  
www.gardena.com/dk

## Dominican Republic

BOSQUESA, S.R.L  
Carretera Santiago Licey  
Km. 5 ½  
Esquina Copal II,  
Santiago de Los Caballeros  
51000 Dominican Republic  
Phone: (+1) 809-562-0476  
contacto@bosquesa.com.do

## Egypt

Universal Agencies Co  
26, Abdel Hamid Lotfy St.  
Giza  
Phone: (+20) 3 761 57 57

## Estonia

Husqvarna Eesti OÜ  
Vaidelku 132  
EE-11216 Tallinn  
info@gardena.ee

## Finland

Oy Husqvarna Ab  
Juurakotie 5 B 2  
01510 Vantaa  
www.gardena.fi

## France

Husqvarna France  
9/11 Allée des pierres mayettes  
92635 Gennevilliers Cedex  
France  
http://www.gardena.com/fr  
N° AZUR: 0 810 00 78 23  
(Prix d'un appel local)

## Georgia

Transporter LLC  
#70, Bellashvili street  
0159 Tbilisi, Georgia  
Number: (+995) 322 14 71 71  
info@transporter.com.ge  
www.transporter.com.ge

## Service Address and Importer to Great Britain

Husqvarna UK Ltd  
Preston Road  
Aycliffe Industrial Park  
Newton Aycliffe  
County Durham  
DL5 6UP  
Phone: (+44) (0) 344 844 4558  
info.gardena@husqvarna.co.uk

## Greece

Π.ΠΑΠΑΔΟΠΟΥΛΟΣ ΑΕΒΕ  
Λεωφ. Αθηνών 92  
Αθήνα  
Τ.Κ.104 42  
Ελλάδα  
Τηλ. (+30) 210 5193 100  
info@papadopoulos.com.gr

## Hong Kong

Tung Tai Company  
151-153 Hoi Bun Road  
Kwun Tong, Kowloon  
Hong Kong  
Phone: (+852) 3583 1662  
admin@tungtaico.com

## Hungary

Husqvarna Magyarország Kft.  
Ezred u. 1 – 3  
1044 Budapest  
Phone: (+36) 1 251-4161  
vevoszolgalat.husqvarna@husqvarnagroup.com

## Iceland

BYKO ehf.  
Skemmuvegi 2a  
200 Kópavogur  
Phone: (+354) 515 4000  
byko@byko.is

MHG Verstun ehf  
Vikurbær 8  
203 Kópavogur  
Phone: (+354) 544 4656

## India

B K RAMAN AND CO  
Plot No. 185, Industrial Area,  
Phase-2, Ram Darbar  
Chandigarh  
160002 India  
Phone: (+91) 98140 06530  
raman@jaganhardware.com

## Ireland

Liffey Distributors Ltd.  
309 NW Business Park, Ballycoolen  
15 Dublin  
Phone: (+353) 1 824 2600  
info@liffeyd.com

## Israel

HAGARIN LTD.

2 Nahal Harif St.  
8122201 Yavne  
internet@hagarin.co.il  
Phone: (+972) 8-932-0400

## Italy

Husqvarna Italia S.p.A.  
Centro Direzionale Pianum  
Via del Lavoro 2, Scala B  
22036 ERBA (CO)  
Phone: (+39) (0) 31 4147700  
assistenza.italia@it.husqvarna.com

## Japan

Husqvarna Zenoh Co. Ltd. Japan  
1-9 Minamidai, Kawagoe  
350-1165 Saitama  
Japan  
gardena-jp@husqvarnagroup.com

## Kazakhstan

ТОО "Лавак"  
Russian  
Адрес: Казахстан, г. Алматы,  
ул. Тажимаева, 155/1  
Тел.: (+7) (727) 355 64 00 /  
(+7) (700) 355 64 00  
lamed@lamed.kz

## Kazakh

Мекен-жайы: Қазақстан,  
Алматы қ.,  
көш. Тәжібаева, 155/1  
Тел.: (+7) (727) 355 64 00 /  
(+7) (700) 355 64 00  
lamed@lamed.kz

## Kuwait

Palms Agro Production Co  
Al Rai- Fourth Ring Road – Block 56.  
P.O Box: 1976 Safat  
13020 Al-Rai  
Phone: (+965) 24 73 07 45  
info@palms-kw.com

## Kyrgyzstan

ООо0 Айы Мaki  
Av. Molodaya Guardia 83  
720014 Bishkek  
Phone: (+996) 312 322115

## Latvia

Husqvarna Latvija SIA  
Ulbrokas 19A  
LV-1021 Riga  
info@gardena.lv

## Lebanon

Technomec  
Saïra Highway (Beirut – Tripoli) Center  
622 Mezher Bldg.  
P.O.Box 215  
Jounieh  
Phone: (+961) 9 853527 /  
(+961) 3 855481  
tecnomec@idm.net.lb

## Lithuania

UAB Husqvarna Lietuva  
Atliepės pl. 77C  
LT-52104 Kaunas  
info@gardena.lt

## Luxembourg

Magasins Jules Neuberg  
39, rue Jacques Stas  
Luxembourg-Gasperich 2549  
Case Postale No. 12  
Luxembourg 2010  
Phone: (+352) 40 14 01  
api@neuberg.lu

## Malaysia

Glomedic International Sdn Bhd  
Jalan Ruang No. 30  
Shah Alam, Selangor  
40150 Malaysia  
Phone: (+60) 3-7734 7997  
oase@glomedic.com.my

## Malta

I.V. Portelli & Sons Ltd.  
85, 86, Triq San Pawl  
Rabat - RBT 1240  
Phone: (+356) 2145 4289

## Mauritius

Espace Maison Liée  
City Trianon, St Jean  
Quatre Bornes  
Phone: (+230) 460 85 85  
digital@espacemaison.mu

## Mexico

AFOSA  
Av. Lopez Mateos Sur # 5019  
Col. La Calma 45070  
Zapopan, Jalisco, Mexico  
Phone: (+52) 33 3818-3434  
isolis@afosa.com.mx

## Moldova

Convel SRL  
Republica Moldova,  
mun. Chisinau,  
sos. Muncești 284  
Phone: (+373) 22 857 126  
www.convel.md

## Mongolia

Soyol Gardening Shop  
Nami Rd  
Ulaanbaatar  
14230 Mongolia  
Phone: +976 7777 5080  
soyolj@maginet.mn

## Morocco

Proekip  
64 Rue de la Participation  
Casablanca-Roches Noires  
20303 Morocco  
Phone: (+212) 661342107  
hicham.hafani@proekip.ma

## Netherlands

Husqvarna Nederland B.V.  
GARDENA Division  
Postbus 50131  
1305 AC ALMERE  
Phone: (+31) 36 521 00 10  
info@gardena.nl

## Neth. Antilles

Jonka Enterprises N.V.  
Sta. Rosa Weg 196  
P.O. Box 8200  
Curaçao  
Phone: (+599) 9 767 66 55  
info@jonka.com

## New Zealand

Husqvarna New Zealand Ltd.  
PO Box 76-437  
Manukau City 2241  
Phone: (+64) (0) 9 9202410  
support.nz@husqvarna.co.nz

## North Macedonia

Sinpeks d.o.o.  
Ul. Kravarski Pat Bb  
7000 Bitola  
Phone: (+389) 47 20 85 00  
sinpeks@mt.net.mk

## Norway

Husqvarna Norge AS  
Gardena Division  
Trøskerveien 36  
1708 Sarpsborg  
info@gardena.no

## Northern Cyprus

Mediterranean Home & Garden  
No 150 Alsancak, Karaoglanoglu  
Caddesi Girne  
Phone: (+90) 392 821 33 80  
info@medgardener.com

## Oman

General Development Services  
PO 1475, PC - 111  
Seeb  
111 Oman  
Phone: 96824582816  
gdsoman@gdsoman.com

## Paraguay

Agrofield SRL  
AV. CHOFERES DEL CHACO  
1449 C/25 DE MAYO  
Asunción  
Phone: (+595) 21 608 656  
consultas@agrofield.com.py

## Peru

Sierras y Herramientas Forestal SAC  
Av. Las Gaviotas 833, Chorrillos  
Lima  
Phone: (+51) 1 2 52 02 52  
supervisorventas1@siersac.com  
www.siersac.com

## Philippines

Royal Dragon Traders Inc  
10 Linaw Street, Barangay  
Saint Peter Quezon City  
1114 Philippines  
Phone: (+63) 2 7426893  
aida.fernandez@rdti.com.ph

## Poland

Gardena Service Center Vrbno  
c/o Husqvarna Manufacturing CZ  
s.r.o. Jeseník 146  
79326 Vrbno pod Prádemem  
Czech Republic  
Phone: (22) 336 78 90  
servis@gardena.pl

## Portugal

Husqvarna Portugal, SA  
Lagoa - Albarraque  
2635 - 595 Rio de Mouro  
Phone: (+351) 21 922 85 30  
Fax: (+351) 21 922 85 36  
info@gardena.pt

## Romania

Madex International Srl  
Soseaua Odaii 117 - 123,  
RO 013603 Bucuresti, S1  
Phone: (+40) 21 352 7603  
madex@ines.ro

## Russia / Россия

ООО "Хускварна"  
141400, Московская обл.,  
г. Химки,  
улица Ленинградская,  
владение 39, стр.6  
Бизнес Центр  
"Химки Бизнес Парк",  
помещение 0802\_04  
http://www.gardena.ru

## Saudi Arabia

SACO  
Takhassusi Main Road P.O. Box:  
86387 Riyadh 12863  
40011 Saudi Arabia  
Phone: (966) 11 482 8877  
webmaster@saco-ksa.com

## Al Futtaim Pioneer Trading

5147 Al Farooq Dist.  
Riyadh 7981  
Phone: (+971) 4 206 6700  
Owais.Khan@alfuttaim.com

## Serbia

Domel d.o.o.  
Slobodna Đurica 21  
11000 Belgrade  
Phone: (+381) 11 409 57 12  
office@domels.rs

## Singapore

Hy-Ray PRIVATE LIMITED  
40 Jalan Pemimpin  
#02-08 Tat Ann Building  
Singapore 577185  
Phone: (+65) 6253 2277  
info@hyray.com.sg

## Slovak Republic

Gardena  
Service Center Vrbno  
c/o Husqvarna  
Manufacturing CZ s.r.o.  
Jesenická 146  
79326 Vrbno pod Prádemem  
Phone: 0800 154044  
servis@gardena.sk

## Slovenia

Husqvarna Austria GmbH  
Industriezeile 36  
4010 Linz  
Phone: (+43) 732 77 01 01-485  
service.gardena@husqvarnagroup.com

## South Africa

Husqvarna South Africa (Pty) Ltd  
Lifestyle Business Park –  
Ground Floor Block A Cnr  
Beyers Naude Drive and Ysterhout  
Road Randpark Ridge, Randburg  
Phone: (+27) 10 015 5750  
service@gardena.co.za

## South Korea

Kyung Jin Trading Co., Ltd  
8F Heangbok Building, 210,  
Gangnam-Daero 137-891 Seoul  
Phone: (+82) 2 574 6300  
kjh@kjh.co.kr

## Spain

Husqvarna España S.A.  
Calle de Rivas nº 10  
28052 Madrid  
Phone: (+34) 91 708 05 00  
atencioncliente@gardena.es

## Sri Lanka

Hunter & Company Ltd.  
130 Front Street  
Colombo  
Phone: 94-11 232 81 71  
hunters@eureka.lk

## Suriname

Deto Handelsmaatschappij N.V.  
Kernkampweg 72-74  
P.O. Box: 12782  
Paramaribo  
Suriname  
Phone: (+597) 43 80 50  
info@deto.sr

## Sweden

Husqvarna AB /  
GARDENA Sverige  
Drottninggatan 2  
561 82 Huskvarna  
Sverige  
Phone: (+46) (0) 36-14 60 02  
service@gardena.se

## Switzerland / Schweiz

Husqvarna Schweiz AG  
Consumer Products  
Industriestrasse 10  
5506 Mägenwil  
Phone: (+41) (0) 62 887 37 90  
info@gardena.ch

## Taiwan

Hong Ying Trading Co., Ltd.  
No. 46 Wu-Kun-Wu Road  
New Taipei City  
Phone: (+886) (02) 2298 1486  
salesgd1@7friends.com.tw

## Tajikistan

ARIERS JV LLC  
39, Ayni Street, 734024  
Dushanbe, Tajikistan

## Thailand

Spica Co. Ltd  
243/2 Onnuch Rd., Prawat  
Bangkok  
10250 Thailand  
Phone: (+66) (0)2721 7373  
surapong@spica-siam.com

## Tunisia

Société du matériel agricole et maritime  
Nouveau port de peche de Sfax Bp 33  
Sfax 3065  
Phone: (+216) 98 419047/  
(+216) 74 497614  
commercial@smamtunisia.com

## Türkiye

Kost Bahçe  
Yunus Mah. Adil Sk. No:3  
Kartal  
İstanbul  
34873 Türkiye  
Phone: (+90) 216 389 39 39

## Turkmenistan

I.E. Orazmuhammedov Nummuhammet  
80 Ataturk, BERKARAR Shopping Center,  
Ground floor, A77b,  
Ashgabat 744000  
TURKMENISTAN  
Phone: (+993) 12 468859  
Mob: (+993) 62 222887  
info@jayhyzmat.com /  
bekgiyev@jayhyzmat.com  
www.jayhyzmat.com

## UAE

Al-Futtaim ACE Company  
L.L.C Building, Al Rebat Street  
Festival City, Dubai  
7880 UAE  
Phone: (+971) 4 206 6700  
ace@alfuttaim.ae

## Ukraine / Україна

АТ «Алшесть»  
вул.Петропавлівська 4  
08130, Київська обл.  
Києво-Святошинський р-н, с.с.  
Петропавлівська Борщагівка Україна  
Тел.: (+38) 0 800 503 000

## Uruguay

FELI SA  
Entre Rios 1083  
11800 Montevideo  
Phone: (+598) 22 03 18 44  
info@felisa.com.uy

## Uzbekistan

AGROHOUSE MOJN  
O'zbekiston, 111112  
Toshkent viloyati  
Toshkent tumani  
Hasanboy QFY, THAY yoqasida  
Phone: (+998) 993-5414141 /  
(+998)-71-20