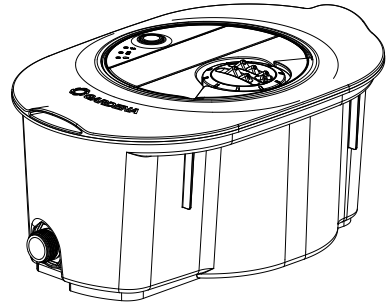


AquaPrecise  
(for above-ground installation)

**Art. No. 16000**



AquaPrecise  
(for underground installation)

**Art. No. 16001**

**Art. No. 16010**

**en Operator's manual**  
Irrigation system/  
Pipeline irrigation system

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# en Irrigation system/ Pipeline irrigation system

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## Translation of the original operator's manual.

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# 1. SAFETY INSTRUCTIONS

## 1.1 Safety instructions for irrigation systems



### **WARNING!**

**Read all safety warnings, instructions, illustrations and specifications provided with this machine.**

### **Save all warnings and instructions for future reference.**

Sand and other abrasive substances in the water cause faster wear and reduced performance.

- If the water used contains sand, use a filter (e. g. **GARDENA Pressure Regulator with integrated filter (Art. No. 8200)**).
- Do not use a lawn aerator or aerator rake over the ground-level **AquaPrecise**.
- Regularly check the **AquaPrecise** for damage and do not use any damaged products.
- Immediately remove any damaged parts.
- Keep damaged parts away from children.  
*This reduces the risk of suffocation.*
- Check the height adjustment of robotic lawnmowers when the **AquaPrecise** is installed in the Pipeline box.  
*This prevents the **AquaPrecise** from being damaged.*
- Bury the Pipeline box at a sufficient depth and observe the minimum and maximum burying depths.  
*This reduces the risk of tripping.*
- When the **AquaPrecise** is removed from the Pipeline box, close the box using the box lid.  
*This reduces the risk of tripping.*
- Do not overload the box lid (maximum load of 120 kg).  
*This reduces the risk of injury and damage to the sprinkler.*
- Do not use the **AquaPrecise** in explosive atmospheres.  
*There is a risk of explosion.*

## **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.
- Remove the battery when you are not using the product.

## **DANGER!**



### **Risk of suffocation!**

Smaller parts can be swallowed.

- Keep toddlers away when you assemble the product.

## **1.2 Intended use**

The **GARDENA AquaPrecise irrigation system** is for outdoor irrigation of gardens and lawns in private gardens and allotments. The product is not suitable for long-term use (professional operation).

## **DANGER!**



### **Risk of injury!**

The AquaPrecise irrigation system must not be used in industrial or commercial applications, or in combination with chemicals, foodstuffs or flammable or explosive substances.

## 1.3 Battery safety instructions

The **AquaPrecise** has a lithium-ion battery, which is automatically charged via an integrated solar cell.

Irrigation cannot take place if the battery has run out of charge.

→ Check that the solar cell is not dirty.

*This will ensure that the battery charges continuously.*

If the **AquaPrecise** is operated with an upstream valve/ controller and is only used for irrigation, the valve will close as soon as the battery has run out of charge.

To operate independently, the location should be exposed to about 1 – 2 hours of direct sunlight (trickle charging).

Alternatively, the battery can also be charged via the USB port.

The battery should be charged via the USB port every six months (spring and autumn).

→ Close the USB port cover after charging via the USB port.

*Otherwise water may enter the **AquaPrecise**.*

→ Only charge the **AquaPrecise** indoors.

*This protects the USB port from moisture.*

→ Fully charge the battery before storing for winter.

→ Do not charge the battery in direct sunlight.

*The battery can overheat and cause a fire hazard.*

→ Charge the battery on a fireproof surface.

*The battery may become hot during charging and cause a fire hazard.*

→ Only use original GARDENA spare parts.

*Spare parts that have not been tested by GARDENA may cause an increased risk of fire or defective products.*

→ Do not charge the battery outside of the **AquaPrecise**.

*This reduces the risk of fire.*

→ When replacing batteries, handle the spare battery with care.

*A damaged battery can cause fire.*

→ Only use the original GARDENA batteries recommended by the manufacturer.  
*Other batteries do not guarantee product safety.*

## 2. INSTALLATION

---

### 2.1 Included in delivery

	Art. No. 16000	Art. No. 16001	Art. No. 16010
<b>AquaPrecise</b>	x	x	x
<b>Mounting plate</b>	x	–	–
<b>Pipeline box</b>	–	x	x
<b>Winter cover</b>	–	x	x
<b>Quick Guide</b>	x	x	x

### 2.2 Preparing for installation

The steps listed below must be followed before installing the **AquaPrecise**:

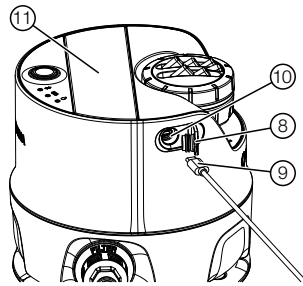
- “2.3 Charging the battery via the USB port”
- “2.4 Installing the GARDENA Bluetooth® App on your mobile device”
- “2.5 Selecting the right location for the AquaPrecise”
- “2.6 Connecting the AquaPrecise to the GARDENA Bluetooth® App”
- “2.7 Performing a spray distance test”

## 2.3 Charging the battery via the USB port

The battery can be charged using a USB-C cable. The USB connector power supply unit with USB-C cable is not included in the scope of delivery.

If the battery is not fully charged, it may become damaged and, in certain cases, become exhausted or unusable.

The battery may only be charged indoors at ambient temperatures between 5 °C and 40 °C.



1. Open the USB cover ⑧.
2. Insert the USB-C connector ⑨ into the USB port ⑩ of the **AquaPrecise**.

*If the battery LED ⑬ flashes orange, the battery is charging.*

*If the battery LED ⑬ lights up permanently green, the battery is fully charged (charging time, see 7. TECHNICAL DATA).*

3. Examine the charge status regularly during the charging process.
4. When the battery is fully charged, disconnect the USB-C connector ⑨ from the USB port ⑩ of the **AquaPrecise**.
5. Close the USB cover ⑧.

**Note:** Irrigation is not possible while charging via the USB-C cable and the programmed watering cycles are skipped.

## 2.4 Installing the GARDENA Bluetooth® App on your mobile device

The free **GARDENA Bluetooth® App** must be installed on your mobile device (smartphone/tablet) before connecting the **AquaPrecise** to the device.

You can download the **GARDENA Bluetooth® App** from the Google Play Store or Apple Store or scan the following QR code:



<https://eqrco.de/pa/R0NCo6>

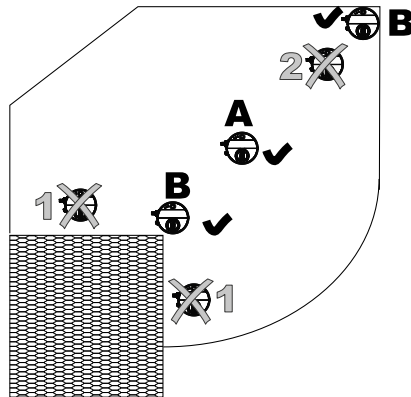
1. Download the **GARDENA Bluetooth® App** onto your mobile device.
2. Install the **GARDENA Bluetooth® App** on your mobile device.
3. Open the **GARDENA Bluetooth® App** on your mobile device.
4. Select “Add product”.
5. Select **AquaPrecise** from the product list.

**Note:** The **GARDENA Bluetooth® App** will now also guide you through the next steps for setting up the AquaPrecise in the right location.



## 2.5 Selecting the right location for the AquaPrecise

You must first select the right location for the **AquaPrecise** before installing it, based on the following criteria:



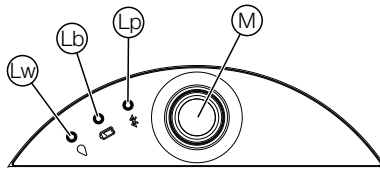
- The max. range is 10 m. Therefore, no contour point may be further than 10 m away from the **AquaPrecise**.
- The min. range is 2 m. Therefore, no contour point may be within 2 m of the **AquaPrecise**.
- No direct obstacles (e. g. trees) may be in the irrigation area.
- At maximum range, the water jet height can reach approx. 3 m. This means that even indirect obstacles (e. g. branches) can obstruct the irrigation area.
- Avoid abrupt changes to the range, as gentle and large angles describe the contour more accurately.
- The solar cell must receive enough direct sunlight (1 – 2 hours/day). Obstacles (e. g. trees) must not block out sunlight.
- The **AquaPrecise** can also be installed on the very outer edge of the area to be irrigated (e. g. lawn edge). The irrigation area must be positioned between 25° and 360°.

## 2.6 Connecting the AquaPrecise to the GARDENA Bluetooth® App

The **AquaPrecise** must be connected to the **GARDENA Bluetooth® App** before using it for the first time.

1. Enable Bluetooth on your mobile device.

*The Bluetooth icon is displayed in the status bar on your mobile device.*



2. Briefly press the manual (M) button on the **AquaPrecise**.

*The AquaPrecise is activated and the battery LED (Lb) shows the battery's charge status (see "3.3.2 Battery LED (Lb)").*

3. Hold down the manual (M) button on the **AquaPrecise** for three seconds.

*Connection mode is activated for three minutes and the Bluetooth LED (Lp) flashes blue during this period.*

4. Stand next to the **AquaPrecise**.

*A connection can only be established if the mobile device is close to the AquaPrecise.*

5. Open the **GARDENA Bluetooth® App** on your mobile device.
6. Select **AquaPrecise** from the product list.

*The Bluetooth LED (Lp) lights up blue for ten seconds and the AquaPrecise is connected to the GARDENA Bluetooth® App.*

The **AquaPrecise** can now be installed.

**Note:** The **GARDENA Bluetooth® App** will now also guide you through the next steps for installation.

If the **AquaPrecise** has already been installed, it can now be programmed and configured via the **GARDENA Bluetooth® App** (see “3.1 Programming the AquaPrecise”).

## 2.7 Performing a spray distance test

We recommend always carrying out the spray distance test before installation (especially in the Pipeline box). The spray distance test is used to check whether the required contour can be irrigated from the selected location.

**Note:** The spray distance test is automatically prompted by the **GARDENA Bluetooth® App** whenever a new location is added.

The **AquaPrecise** can be aligned in any direction. We recommend setting up the **AquaPrecise** in the garden so that the connection faces towards the water source.

1. Place the **AquaPrecise** on the lawn at ground level at the correctly selected location (see “2.7 Performing a spray distance test”).
2. Temporarily connect the **AquaPrecise** to the water supply.
3. Turn on the water supply.
4. Briefly press the manual (M) button on the **AquaPrecise**.

*The AquaPrecise is activated and the battery LED (b) shows the battery's charge status (see “3.3.2 Battery LED (b)”).*

5. Open the **GARDENA Bluetooth® App** on your mobile device.
6. Move the water jet within the irrigation area (left/right) using the **GARDENA Bluetooth App**.
7. Increase/decrease the watering distance limit to see if all corners/edges can be irrigated.

**Tip:** If there is anything in the way, you can set a second location for complete coverage of the irrigation area.

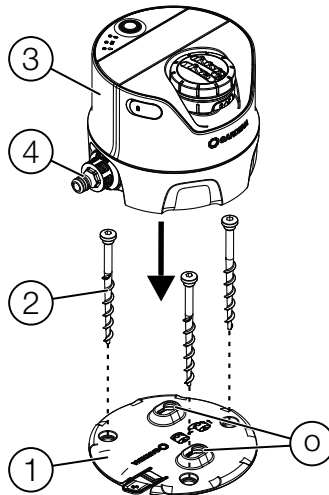
8. You can end the spray distance test once you are sure that each contour point can be reached and that there are no obstacles within the area.
9. Shut off the water source.
10. Install the **AquaPrecise** in the garden.

## 2.8 Installing the AquaPrecise in the garden

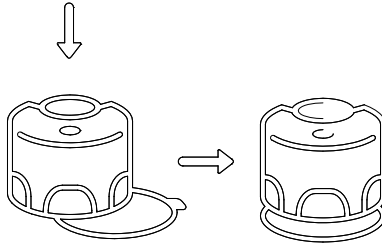
### 2.8.1 (Art. No. 16000) Installing the AquaPrecise on the mounting plate above ground

If you want to use the **AquaPrecise** at different locations, you can use an additional **GARDENA mounting plate (Art. No. 16022)**.

**Note:** Installation is automatically prompted in the **GARDENA Bluetooth® App** after the spray distance test.



1. Place the mounting plate ① at the specified position on the lawn at ground level according to the spray distance test.
2. Use the supplied hex wrench to screw the three ground screws ② in the mounting plate ① and into the ground (perfectly level horizontally).  
*This will ensure that the AquaPrecise does not rotate.*
3. Place the **AquaPrecise** ③ on the mounting plate ① so that both pins on the bottom are inserted into the openings ④ and it is positioned flat on the ground on the mounting plate ①.



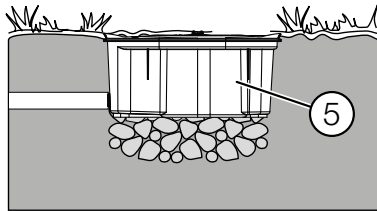
4. Push the AquaPrecise ③ towards the connection ④ until it locks onto the base plate ①.
5. Connect the connection ④ to the water supply via the **Original GARDENA System**.

## 2.8.2 (Art. No. 16001/16010) Underground installation of the AquaPrecise in the Pipeline box

**Note:** Installation is automatically prompted in the **GARDENA Bluetooth® App** after the spray distance test.

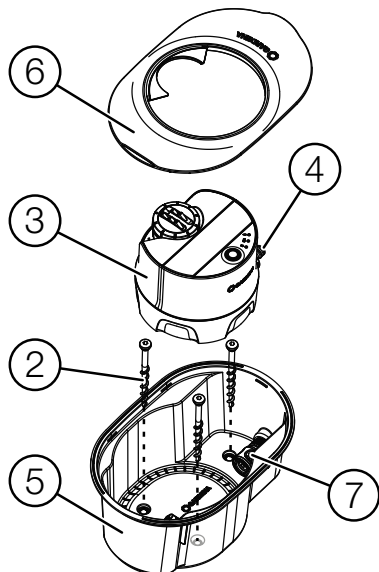
1. Place the Pipeline box ⑤ at the specified position on the lawn according to the spray distance test.
2. Lay all components on the lawn.
3. Cut the pipes to length.
4. Dig the trenches for the pipes and the Pipeline box ⑤ (approx. 20 – 25 cm deep).
5. Fill the trench under the Pipeline box ⑤ with approx. 6 cm of gravel.

*This ensures that the drainage slots in the box function properly.*



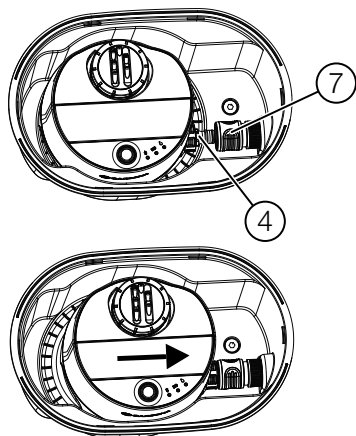
6. Install the Pipeline box ⑤ in the ground so that the top is flush with the turf.

*This prevents damage when mowing the lawn.*

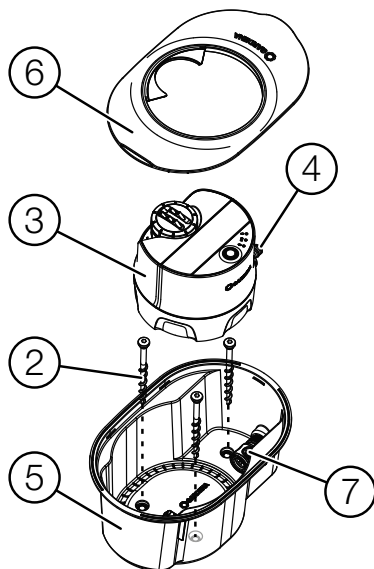


7. For an optional additional ground fastening: Pierce the three holes for the three ground screws in the Pipeline box ⑤.
8. Use the supplied hex wrench to screw the three ground screws ② in the Pipeline box ⑤ and into the ground.
9. Lay the pipes in the trenches.
10. Connect the 3/4" male thread of the Pipeline box ⑤ using the **connector (Art. No. 2761)** and the **GARDENA 25 mm connecting pipe (Art. Nos 2700/2701/2718/2792/2793)**.
11. Refill the trenches with soil.





12. Place the **AquaPrecise** ③ in the Pipeline box ⑤ so that the connection ④ of the **AquaPrecise** faces towards the slot ⑦ of the Pipeline box ⑤.
13. Push the **AquaPrecise** ③ towards the slot ⑦ until the connection ④ locks into the slot ⑦.



14. Fit the box cover ⑥ onto the Pipeline box ⑤.

## 3. OPERATION

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### 3.1 Programming the AquaPrecise

#### 3.1.1 Setting up the AquaPrecise

Use the **GARDENA Bluetooth® App** to set up the AquaPrecise.

1. Connect the **AquaPrecise** to the **GARDENA Bluetooth® App** (see “2.5 Selecting the right location for the AquaPrecise”).
2. Open the **GARDENA Bluetooth® App** on your mobile device and continue with the setup process.

**Note:** The **GARDENA Bluetooth® App** will now also guide you through the next steps for setting up the AquaPrecise.

#### 3.1.2 Functions of the GARDENA Bluetooth® App

The **GARDENA Bluetooth® App** includes the following functions for the AquaPrecise:

- Setting locations
- Programming a contour
- Creating schedules
- Water consumption statistics
- Winter mode

### 3.1.3 Programming a contour

Up to five individual contours can be programmed on the **AquaPrecise** using the **GARDENA Bluetooth® App**. Each contour is assigned to a location.

A maximum of 15 schedules can be created to meet various requirements.

**Note:** The **GARDENA Bluetooth® App** will now also guide you through the next steps for programming.

#### Programming sequence:



A contour consists of no fewer than two corner points and no more than 360 corner points. Contours must be programmed in clockwise direction. Always start with the first contour point on the far left of the required irrigation area. Contour points can be changed afterwards.

**Note:** The **AquaPrecise** permanently regulates the water distribution rate using the “flowBalance valve” and the contour sprinkler head’s rotation speed. This enables water to be distributed evenly without areas overlapping.

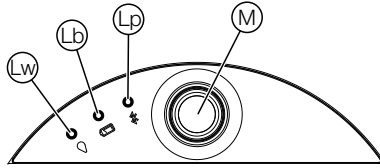
The GARDENA-supported schedule also considers the contour size and adjusts irrigation times accordingly. For a manual schedule, the irrigation time and frequency is set (irrigation volume in l/m<sup>2</sup> is displayed in the **GARDENA Bluetooth® App**)

### 3.1.4 Upstream valve mode

The **AquaPrecise** can also be combined with upstream valves (e.g. **GARDENA Water Control**).

The integrated valve will be permanently open in this case. The **AquaPrecise** starts contour irrigation as soon as the integrated turbine detects a water flow.

## 3.2 Manual button



Pressing the manual button can perform the following actions:

- **press briefly:** activates **AquaPrecise**, battery status display
- **press twice briefly (within ten seconds):** starts manual irrigation
- **hold down button (approx. 3 seconds):** activates connection mode
- **hold down button (approx. 30 seconds):** restarts the device

### 3.2.1 Manual irrigation

→ **Briefly** press the manual (M) button twice (within ten seconds).

*Manual irrigation starts, and the irrigation LED (LW) flashes.*

The manual irrigation time is preset in the **GARDENA Bluetooth® App**. The contour most recently selected in the **GARDENA Bluetooth® App** is always irrigated by default. The most recently created contour is selected if manual irrigation has not yet been carried out using the **GARDENA Bluetooth® App**.

If irrigation that has been started manually overlaps with a programmed schedule, the programmed start time is overridden.

Active irrigation can be stopped by briefly pressing the manual button.

### 3.2.2 Bluetooth® connection mode

Close-range interaction between the **AquaPrecise** and the mobile device is referred to as Bluetooth®.

1. Hold down the manual (M) button on the **AquaPrecise** for three seconds.

*Connection mode is activated for three minutes and the Bluetooth LED (D) flashes blue during this period.*

2. Connect the **AquaPrecise** to the **GARDENA Bluetooth® App** (see “2.5 Selecting the right location for the AquaPrecise”).

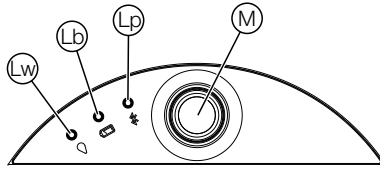
### 3.2.3 Restarting devices

The **AquaPrecise** can be restarted.

- Hold down the manual (M) button on the **AquaPrecise** for 30 seconds.

*All LEDs on the AquaPrecise light up and it will restart.*

## 3.3 LED display



### 3.3.1 Irrigation LED $\text{Lw}$

- Lights up blue for ten seconds: active irrigation

### 3.3.2 Battery LED $\text{Lb}$

#### After briefly pressing the manual $\text{M}$ button:

- Lights up green: battery > 20 % charged
- Lights up red: battery  $\leq$  20 % (irrigation cannot be started)
- Flashes red: battery  $\leq$  5 % (current irrigation is suspended)

When operating with an upstream valve (e.g. **GARDENA Water Control**): internal valve closes if battery charge is  $\leq$  5 % and opens if it is  $\geq$  20 %

#### During the charging process:

- Flashes orange: battery is charging
- Lights up green: battery is charged

### 3.3.3 Bluetooth LED $\text{Lp}$

- Flashes blue: Bluetooth connection mode active
- Lights up blue for ten seconds: Connection with mobile device active

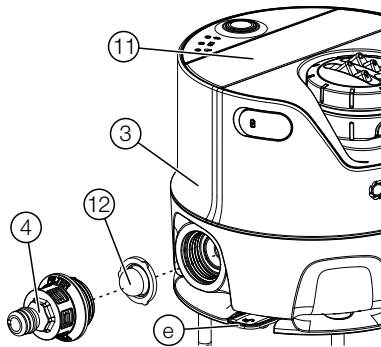
## 4. MAINTENANCE

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### 4.1 Removing/disconnecting the AquaPrecise

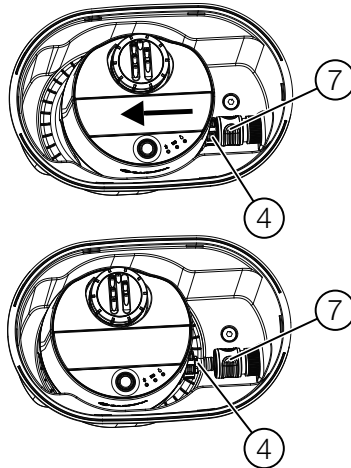
We recommend removing the **AquaPrecise** ③ from the mounting plate ① or removing it from the Pipeline box ⑤ before carrying out any cleaning work.

#### 4.1.1 (Art. No. 16000) Removal from the mounting plate



1. Press the locking mechanism ⑥ and pull the **AquaPrecise** ③ out of the connection ④ towards the rear.
2. Remove the **AquaPrecise** ③ from the mounting plate ① by pulling it upwards.

## 4.1.2 (Art. No. 16001/16010) Removal from the Pipeline box



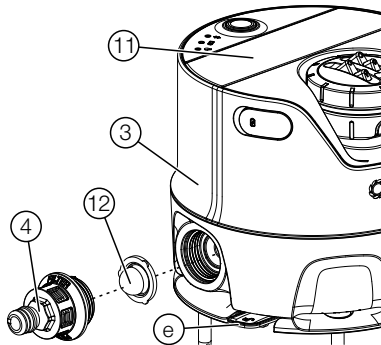
1. Pull the locking mechanism of the slot ⑦ towards the rear and pull the **AquaPrecise** ③ forwards until the connection ④ is free.
2. Remove the **AquaPrecise** ③ by pulling it upwards out of the Pipeline box ⑤.



## 4.2 Cleaning the solar cell

To ensure that the battery is always sufficiently charged, the solar cell ⑪ must be cleaned if it is dirty.

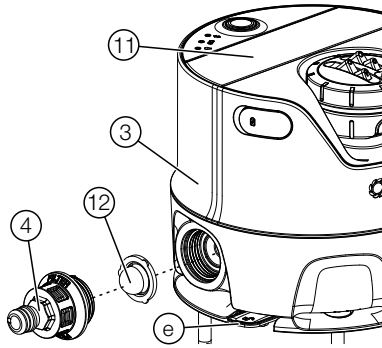
**Do not use corrosive or abrasive cleaning agents.**



→ Use a damp cloth to clean the solar cell ⑪.

### 4.3 Cleaning the dirt filter

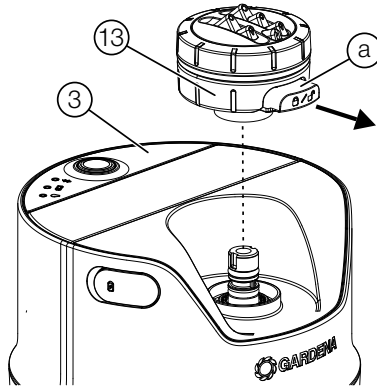
If the irrigation range decreases, this could indicate that the dirt filter is dirty.



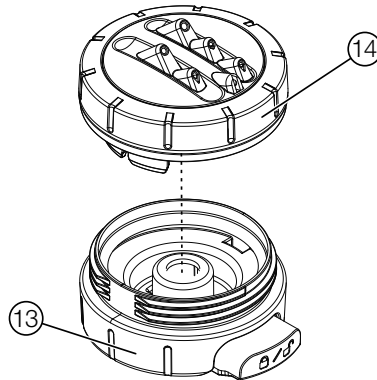
1. Unscrew the connection ④ from the **AquaPrecise** ③.
2. Pull the dirt filter ⑫ out of the **AquaPrecise** ③.
3. Clean the dirt filter ⑫ and the connection ④ under running water.
4. Reinstall the dirt filter ⑫ by following the above steps in reverse order.

## 4.4 Cleaning the sprinkler head

An uneven irrigation pattern may indicate that the sprinkler head is dirty.



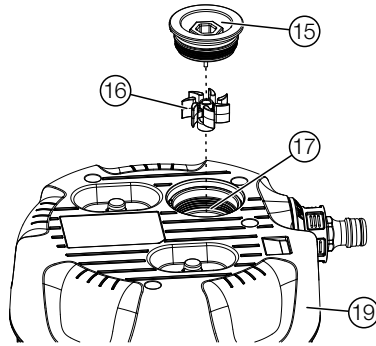
1. Pull out the locking mechanism (a) on the sprinkler head (13).
2. Remove the sprinkler head (13) by pulling it upwards from the **AquaPrecise** (3).



3. Unscrew the nozzle cover (14) from the sprinkler head (13).
4. Clean the nozzle cover (14) and the sprinkler head (13) under running water.
5. Reinstall the sprinkler head (13) by following the above steps in reverse order.
6. Push the locking mechanism (a) back into the sprinkler head (13).

## 4.5 Cleaning the turbine area

If the irrigation range increases, this could indicate that the flow turbine area is dirty.



1. Unscrew the turbine cover ⑮ from the bottom ⑲ of the **AquaPrecise** ③.
2. Remove the turbine ⑯ from the turbine cover ⑮.
3. Rinse out the turbine area ⑰ with water.
4. Clean the turbine cover ⑮ and turbine ⑯ under running water.
5. Reinstall the turbine cover ⑮ and turbine ⑯ by following the above steps in reverse order.

## 5. STORAGE

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### 5.1 Shutting down

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

The **AquaPrecise** is not frost-proof and must therefore be stored in a frost-proof environment over the winter.

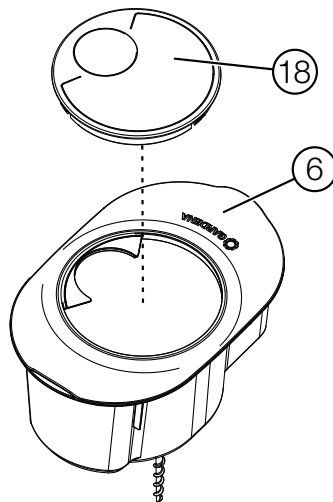
#### 5.1.1 (16000) AquaPrecise above ground

1. Shut off the water source (tap) or detach the water supply from the pump.
2. Connect the **AquaPrecise** to the **GARDENA Bluetooth® App** (see “2.5 Selecting the right location for the AquaPrecise”).
3. In the **GARDENA Bluetooth® App**, go to the settings and open the valve and suspend the schedules.
4. Disconnect the hose from the **AquaPrecise**.
5. Remove the **AquaPrecise** from the mounting plate ① (see “4.1.1 (Art. No. 16000) Removal from the mounting plate”).
6. Clean the **AquaPrecise** (solar cell, dirt filter, sprinkler head and turbine area), see “4. MAINTENANCE”.
7. Charge the battery via the USB port ⑩ (see “2.3 Charging the battery via the USB port”).
8. Store the **AquaPrecise** in a dry, enclosed and frost-proof location.
9. Select “Winter mode” in the **GARDENA Bluetooth® App**.

*The AquaPrecise is in standby mode to save energy and the schedules are suspended.*

### 5.1.2 (16001/16010) AquaPrecise underground

1. Shut off the water source (tap) or detach the water supply from the pump.
2. Connect the **AquaPrecise** to the **GARDENA Bluetooth® App** (see “2.5 Selecting the right location for the AquaPrecise”).
3. In the **GARDENA Bluetooth® App**, go to the settings and open the valve and suspend the schedules.
4. Wait until the water drains away via the **GARDENA drain valve (Art. No. 2760)** or purge the system using the **GARDENA drain valve set (Art. No. 2770)**.
5. Remove the **AquaPrecise** from the Pipeline box ⑤ (see “4.1.2 (Art. No. 16001/16010) Removal from the Pipeline box”).
6. Clean the Pipeline box ⑤.



7. Place the box lid ⑱ on the box cover ⑆.  
*This prevents objects or animals from falling into the installation box.*
8. Clean the **AquaPrecise** (solar cell, dirt filter, sprinkler head and turbine area), see “4. MAINTENANCE”.

9. Charge the battery via the USB port ⑩ (see “2.3 Charging the battery via the USB port”).
10. Store the **AquaPrecise** in a dry, enclosed and frost-proof location.
11. Select “Winter mode” in the **GARDENA Bluetooth® App**.

*The AquaPrecise is in standby mode to save energy and the schedules are suspended.*

### 5.1.3 Reactivating AquaPrecise after winter

The Bluetooth connection is disabled in winter mode (standby) to save energy.

1. Charge the battery via the USB port ⑩ (see “2.3 Charging the battery via the USB port”).
2. Briefly press the manual ④ button on the **AquaPrecise**.

*The AquaPrecise is activated and the battery LED ④ shows the battery's charge status (see “3.3.2 Battery LED ④”).*

3. Connect the **AquaPrecise** to the **GARDENA Bluetooth® App** (see “2.6 Connecting the AquaPrecise to the GARDENA Bluetooth® App”).

*The schedules are then automatically reactivated.*

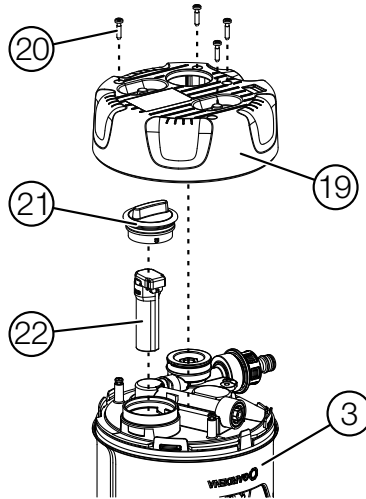
## 6. TROUBLESHOOTING

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### 6.1 Replacing the battery

The **GARDENA spare parts** are available from your **GARDENA dealer** or from **GARDENA Service**.



→ Only use an original **GARDENA battery**  
(Art. No. 16000-00.690.00)



1. Unscrew the four screws ⑳ from the bottom ㉑ of the **AquaPrecise** ③.
2. Remove the bottom ㉑ from the **AquaPrecise** ③.
3. Unscrew the battery lid ㉒.
4. Remove the battery ㉓.
5. Install the new battery ㉓ by following the above steps in reverse order.



## 6.2 Error table

<b>Problem</b>	<b>Possible cause</b>	<b>Remedy</b>
<b>Irrigation range is less than during initial commissioning</b>	The dirt filter is dirty.	→ Clean the dirt filter.
	The tap is not opened far enough.	→ Open the tap further.
	Water pressure is too low.	→ Increase the water pressure/water supply.
	The sprinkler head is dirty.	→ Clean the sprinkler head.
	The irrigation range is programmed incorrectly.	→ Reprogram the irrigation range.
<b>Irrigation range is greater than during initial commissioning</b>	The turbine is dirty.	→ Clean the turbine.
<b>Irrigation pattern is uneven</b>	The sprinkler head is dirty.	→ Clean the sprinkler head.
	The sprinkler head is damaged.	→ Contact GARDENA Service.
<b>The AquaPrecise is not responding</b>	The battery is empty.	→ Charge the battery via the USB port.
	The protective panel of the solar cell is dirty or covered.	→ Clean the protective panel or ensure sufficient sunlight.
	The battery is defective.	→ Replace the battery.
<b>No irrigation, schedule is not being carried out</b>	The battery is empty.	→ Charge the battery via the USB port.
	No water flow.	→ Activate the water flow.
<b>Bluetooth connection not possible</b>	Standby mode is active.	→ Briefly press the manual button  .
<b>Charging error: Battery LED  flashes red</b>	Battery became too hot while charging.	→ Allow the battery to cool down.

**NOTE:**

Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

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

## 7. TECHNICAL DATA

<b>AquaPrecise</b>	<b>Unit</b>	<b>Value (Art. No. 16000/16001/16010)</b>
<b>Lithium-ion battery</b>	mAh	5000
<b>Charging time via USB port (depending on the battery charger)</b>	h	3 – 8
<b>Tap connector connection (Art. No. 16001/16010)</b>	Inch	3/4
<b>Operating temperature range</b>	°C	5 – 60
<b>Max. water temperature</b>	°C	30
<b>Pressure range:</b>		
<b>AquaPrecise</b>	bar	2 – 12
<b>GARDENA Pipeline system</b>	bar	2 – 6
<b>Irrigation range at 2 bar</b>	m	2 – 10
<b>Irrigation area at 2 bar</b>	m <sup>2</sup>	320
<b>Irrigation sector</b>	°	25 – 360
<b>Water flow:</b>		
<b>Min. range</b>	l/h	200
<b>Max. range</b>	l/h	600

## 8. ACCESSORIES/SPARE PARTS

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<b>GARDENA Pipeline box</b>	For underground installation.	<b>Art. No. 16021</b>
<b>GARDENA Mounting plate</b>	For above-ground installation.	<b>Art. No. 16022</b>
<b>GARDENA Winter cover</b>	As a replacement for a damaged winter cover.	<b>Art. No. 16001-00.600.16</b>
<b>GARDENA AquaPrecise nozzle</b>	As a replacement for a damaged nozzle.	<b>Art. No. 16000-00.670.00</b>
<b>GARDENA Spare Battery</b>	As a replacement for a defective battery.	<b>Art. No. 16000-00.690.00</b>

## 9. SERVICE

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Up-to-date contact information can be found online at:

[www.gardena.com/contact](http://www.gardena.com/contact)

## 10. DISPOSAL

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### 10.1. Disposing of the product

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



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

#### **IMPORTANT!**

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

### 10.2. Disposing of the battery



The battery contains lithium-ion cells that should not be disposed of with normal household waste at the end of its life.

Li-ion

#### **IMPORTANT!**

1. Discharge the lithium-ion cells fully (contact GARDENA Service about this).
2. Ensure that the lithium-ion cell contacts do not short-circuit by placing tape over them.
3. Dispose of the lithium-ion cells properly at or through your local recycling collection point.

## 11. ASSIGNMENT OF TRADEMARKS

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

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

en		<b>EU Declaration of conformity</b>
<p>The undersigned hereby certifies as the authorized representative of the manufacturer, GARDENA Germany AB, PO Box 160 89, SE-103 92, Stockholm, Sweden, that, when leaving our factory, the unit(s) indicated below is/are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the unit(s) is/are modified without our approval.</p>		
<b>Name of the product:</b>	Irrigation System / Pipeline Irrigation System	
<b>Type:</b>	AquaPrecise	
<b>Article number:</b>	16000 16001 / 16010	
<b>EU directives:</b>	2006/42/EG 2014/53/EU 2011/65/EU	
<b>Harmonised standards:</b>	EN ISO 12100 EN 60730-1 EN 60730-2-8 EN IEC 60730-2-8	
<b>Deposited documentation:</b>	GARDENA Manufacturing GmbH, Technische Dokumentation, A. Ochs Hans-Lorensenstr. 40, D-89079 Ulm	
<b>Year of CE marking</b>	2024	
<b>Ulm:</b>	31.12.2024	
<b>Authorised representative:</b>	 <b>Reinhard Pompe</b> Senior Vice President, Business Unit Watering	

en		<b>Declaration of Conformity [only for UK]</b>
<p>The manufacturer, GARDENA Germany AB, PO Box 160 89, SE-103 92, Stockholm Sweden, hereby certifies, when leaving our factory, the unit(s) indicated below is/are in accordance with the UK Regulations, designated standards of safety and product specific designated standards. This certificate becomes void if the units are modified without our approval.</p>		
<b>Description of the product:</b>	Irrigation System / Pipeline Irrigation System	
<b>Type:</b>	AquaPrecise	
<b>Article number:</b>	16000 16001 / 16010	
<b>UK regulations:</b>	S.I. 2008/1597 S.I. 2017/1206 S.I. 2012/3032	
<b>Designated standards:</b>	EN ISO 12100 EN 60730-1 EN 60730-2-8 EN IEC 60730-2-8	
<b>Deposited documentation:</b>	GARDENA Manufacturing GmbH, Technische Dokumentation, A. Ochs Hans-Lorensen-Str. 40, D-89079 Ulm	
<b>UK Importer:</b>	Husqvarna UK Limited Preston Road, Aycliffe, County Durham UK DL5 6UP	
<b>Ulm:</b>	31.12.2024	
<b>Authorised representative:</b>	  <b>Reinhard Pompe</b> Senior Vice President, Business Unit Watering	



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