

# AQUA<sup>®</sup> FORTE

User Manual

## Garden Sniper SB332



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# 1. Introduction

## 1.1. Purpose of this manual

The purpose of this manual is to help users understand the features and functions of , and to provide guidance on how to use it safely and effectively.


The manual includes all relevant information on:

- [Safety \(on page 4\)](#) provides important information on how to use the product safely, including warnings and precautions that users should be aware of.
- [Product specifications \(on page 5\)](#) describes the dimensions, features and other relevant information about the product.
- [Installation \(on page 6\)](#) provides step-by-step instructions on how to install the product, including information on electrical connections, and positioning.
- [Operation \(on page 9\)](#) explains how to use the product, including how to set the temperature, how to turn it on and off, and how to adjust the settings.
- [Maintenance and cleaning \(on page 11\)](#) provides guidance on how to keep the product in good working order, including information on cleaning and regular maintenance tasks.

Overall, the product manual is an essential resource for anyone who owns or operates the Garden Sniper. By following the instructions and guidance provided in the manual, users can ensure that they can get the most out of their investment.

## 1.2. Target audience

## 1.3. Intended and non-intended use

⚠ CAUTION	
	<b>Safety Hazard</b> Make sure that the SB332 is installed according to the procedures described in this manual.

The Garden Sniper is a motion-activated water sprinkler that deters animals. However, it is important to understand both the intended and non-intended uses of the Garden Sniper for this purpose. In all deviating situations, the manufacturer or an authorized dealer must be consulted in advance.

### 1.3.1. Intended Use

The Garden Sniper serves several intended purposes:

- outdoor deterrent of small animals by use water sprinkler;

### 1.3.2. Non-Intended Use



The Garden Sniper may not be used:





- indoors;
- with other fluid than water.

By understanding both the intended and non-intended uses of the Garden Sniper, you can ensure that you are using the device in the most efficient and cost-effective way possible.

## 1.4. Reading guide

This manual contains important warnings and notes that highlight information relevant to the user:

⚠ WARNING	
	<p><b>This section warns that there is a safety hazard.</b> Indicates a hazardous situation that could result in serious injury or death and/or serious damage to the product or environment if the safety instructions are not followed.</p>
⚠ CAUTION	
	<p><b>This section warns of a possibly hazardous situation.</b> Indicates a hazardous situation that could result in minor or moderate injury and/or damage to the product or environment if the safety instructions are not followed.</p>

-  Information that is considered important but is not injury-related (e.g., information related to property damage).
-  Information that's useful for future use.
-  Information that is relevant to the context or understanding of the user.
-  Tips and tricks to make usage easier or more convenient.

## 1.5. Warranty


This product comes with a 24 month general product warranty starting at the date of purchase.

The warranty covers any defects in materials or workmanship under normal use and maintenance. If a defect arises during the warranty period, you should contact your dealer immediately.

To make a warranty claim, you must provide proof of purchase, the defective product and a description of the problem. The warranty does not cover damage caused by improper installation, unintended use, abuse, or neglect. It also does not cover normal wear and tear of wearable parts such as membranes and air chambers, or any damage caused by acts of nature such as lightning.


This warranty is the sole and exclusive warranty for the SB332. We make no other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. In no event shall we be liable for any incidental, consequential, or special damages arising out of or in connection with the use or inability to use this product, even if we have been advised of the possibility of such damages.


## 2. Safety

-  This manual does not include site and/or country specific regulations, the installer of the drum filter is responsible for following the local rules and regulations.

We have provided important safety messages in this manual and on your device. Read all safety information and instructions. Failure to observe the safety information and instructions may result in electric shock, fire and serious injury. Keep all safety information and instructions for future reference.

## 2.1. Warnings

⚠ CAUTION	
	<ul style="list-style-type: none"><li>• Packing parts (e.g. plastic bags) may be dangerous. Therefore, store away from children, domestic animals and anyone incapable of understanding the dangers. This appliance is not a toy.</li></ul>

 Service and/or disposal **MUST** be carried out by people with proven expertise.

## 2.2. Safety information

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

- The user is responsible for compliance with the locally applicable safety and installation regulations. If necessary, consult an electrical engineering specialist.
- Use only batteries as stated in [Product specifications \(on page 5\)](#).
- Remove batteries when it is not in use, or before cleaning.
- Do not submerge the appliance in water.
- Do not point the water jet towards persons.
- Do not look directly into the water jet opening.
- Periodic maintenance (see chapter [Maintenance and cleaning \(on page 11\)](#)) of the appliance is necessary.
- Repairs may only be carried out by a trained service technician. If repairs are required, please contact the nearest after-sales service centre. Any repairs should be performed in strict accordance with this manual.

## 3. Product specifications

**Table 1. Specifications**

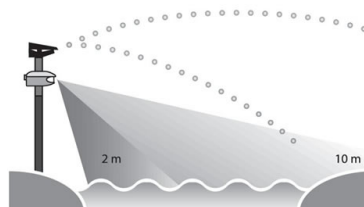
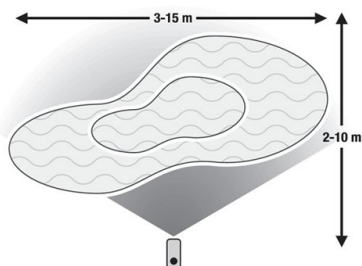
Description	Value
Item number	SB332
Power	2 x AA Alkaline batteries (not included)
Water pressure	
Detection range (length)	2 - 10 m
Detection range (width)	3 - 15 m

### 3.1. Working principle

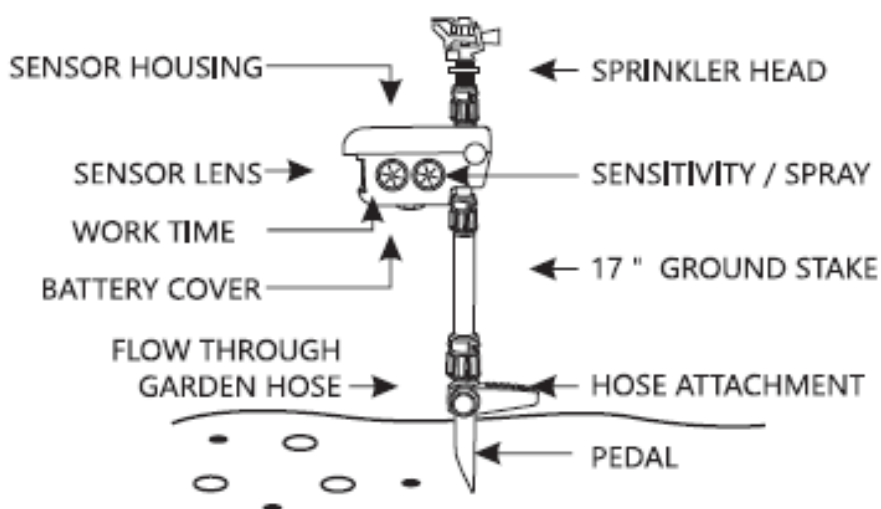
The Garden Sniper protects any open area of the garden or yard that receives the unwanted attention of animals. Its sprinkler directs water accurately up to 10 m, protecting a 90 square metre area. The Garden Sniper can see large animals farther away than it can small animals. It uses a passive infrared sensor to see the temperature difference between an animal and its surroundings. However, if the animal and the background are similar temperatures the Garden Sniper will have difficulty detecting movement- such as on warm pavement.

**Detection pattern**

**Detection range**



## 3.2. Overview



## 4. Installation

### ⚠ CAUTION



#### Risk of personal injury or damage to the appliance

- Do not position the appliance near fountains and/or air vents to avoid contact with water.
- Do not submerge the appliance.

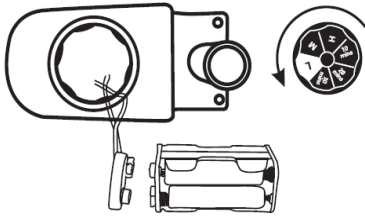
Malfunctioning sprinklers carry an inherent risk of causing water damage to your property. Mitigate your risks by limiting the amount of water available to the product (open valve 3/4 turn), employing good quality hoses and ensuring there is adequate drainage in the area. Intended to operate between 30 and 80 psi (2 - 5,5 Bar). Install a pressure-reducing valve on tap if your water pressure exceeds 80 psi (5,5 bar).



Partially opening your tap does not change the water pressure.

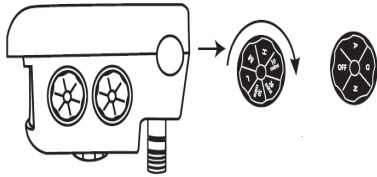
## 4.1. Assembly Instructions

### 4.1.1. Connect the battery case and battery line



- Open the battery cover (located under the sensor housing).
- Connect battery case and battery line as show.
- Set the sensitivity dial to **L**.

### 4.1.2. Test the sensor (dry test)

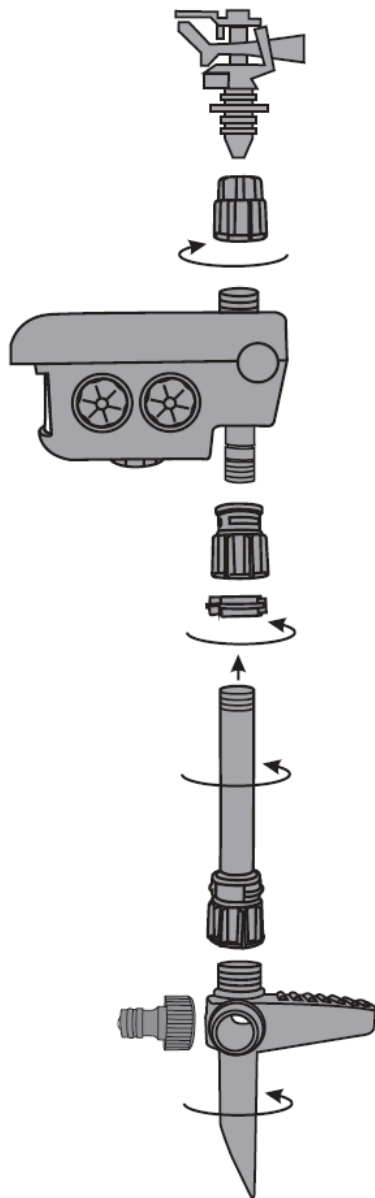


- Turn the sensitivity dial to **M**.
- Wave your hand in front of the sensor lens.
- You will hear a click indicating that the internal water valve is opening.
- After 3 seconds you will hear another click when the valve closes again.
- If this does not work, try a new battery or connect the Garden Sniper to a water source and test again.




There is an 8 second reset interval after the valve closes when the sensor detects no movement

### 4.1.3. Assembling, connecting, and placing



#### Assemble the Garden Sniper

- Follow the diagram to assemble the six different parts. These fittings should only be hand tightened.

 These fittings should only be hand tightened. No tools are required.

#### Connect the hose

- Connect your hose to the hose attachment.

#### Placing

- Aim the sensor lens towards the area you want to protect.
- Push the plastic stake carefully into the soil/

 **Do not push down on the sensor housing or sprinkler head..**  
If the ground is too hard or unsuitable for the plastic stake, try placing the Garden Sniper in a flower pot filled with a weighted material like sand or gravel.

#### Adjust the settings

- See [Operation \(on page 9\)](#) for instructions on how to calibrate the spray distance, angle and sensitivity spray time and work time

### 4.1.4. Sticker sheet (optional)

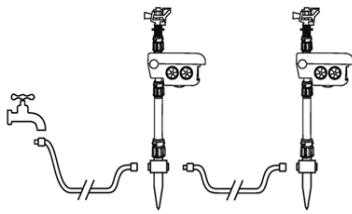


As an extra deterrent, some pests are scared away by predator faces

- Apply the beak and eyes stickers tot the sensor housing..



#### 4.1.5. Multiple connections



If you have more than one Garden Sniper you can connect them in series by removing the flow cap and connecting them as shown.

## 5. Operation

### ⚠ CAUTION



#### Risk of personal injury and damage to the appliance

- Only use if there is no visible damage to the appliance.
- Do not use if there is a risk of frost.

## 5.1. Sensitivity

### 5.1.1. Adjust the sensor sensitivity

You can calibrate the sensitivity of the Garden Sniper without turning on the water, as long as you can hear the activation click from 10 metres away. To calibrate the Garden Sniper in a noisy area please turn the water on and simply point the water spray to one side to avoid getting wet.

- Set the sensitivity knob high enough to see the target animal when it is within the 10 meter range of the water jet, but no further than that point.



Use a higher settings for smaller animals, and a lower settings when you want to detect the animal at a closer range.

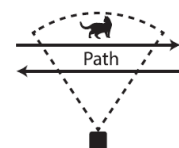
Dial setting	Detection range	Animal size
L	1-3 m	big
M	3-6 m	big/medium
H	6-10 m	all sizes



### 5.1.2. Select the coverage area

The Garden Sniper is most sensitive to movement across the field of view. Motion towards or away from the sensor may not always trigger the unit

- Place the detector of the Garden Sniper so that it detects movement across the field of view.




### 5.1.3. Test and adjust the sensitivity

Test the boundaries of the desired detection area by making small movements in front of the sensor lens. Begin outside of the coverage area and slowly move closer until you are detected. After the 3 second pulse of water, there is an 8 second pause while the \Garden Sniper resets itself. Make minor adjustments until you are happy with the level of sensitivity.

## 5.2. Auto-spray

it is possible to have the Garden Sniper spray at fixed time intervals instead of using the motion detector.

Turn the sensitivity dial to one of the time interval settings.

 Automatic motion detection of animal will be deactivated.

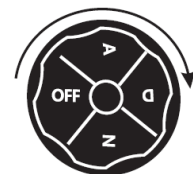
Dial setting	Spray interval
10 mins	Every 10 minutes
20 mins	Every 10 minutes
30 mins	Every 10 minutes



## 5.3. Work time

Set the working moments of the Garden Sniper.

Dial setting	Working moment
D	Works at days
N	Works at nights
A	Works day and nights
OFF	Off

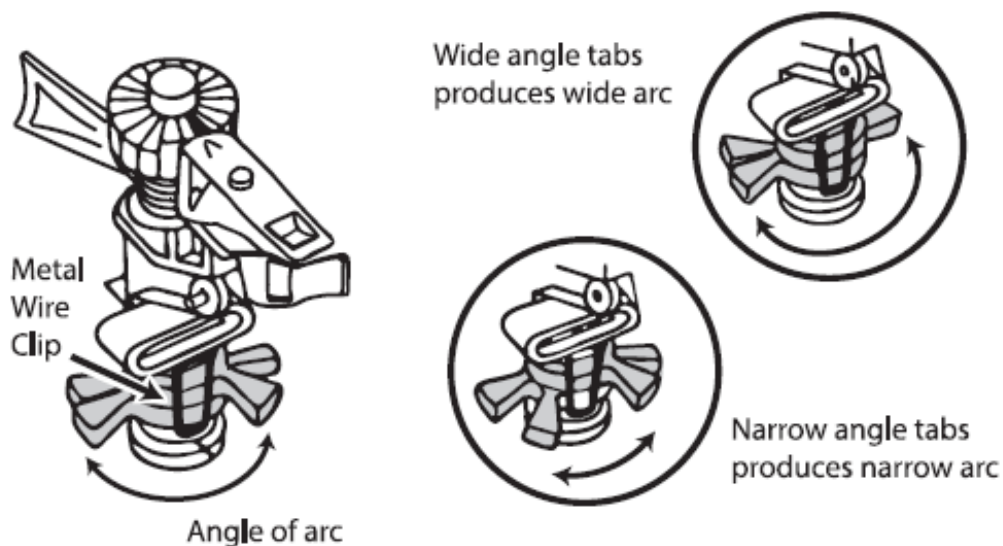


## 5.4. Area coverage

After you have set the Garden Sniper's sensitivity and positioned it securely with its lens aimed at the desired area, use this section to help you adjust the arc and distance of the Garden Sniper's water spray. Make sure the water is turned OFF, then follow the steps below.

### 5.4.1. 1. Adjust the spray angle

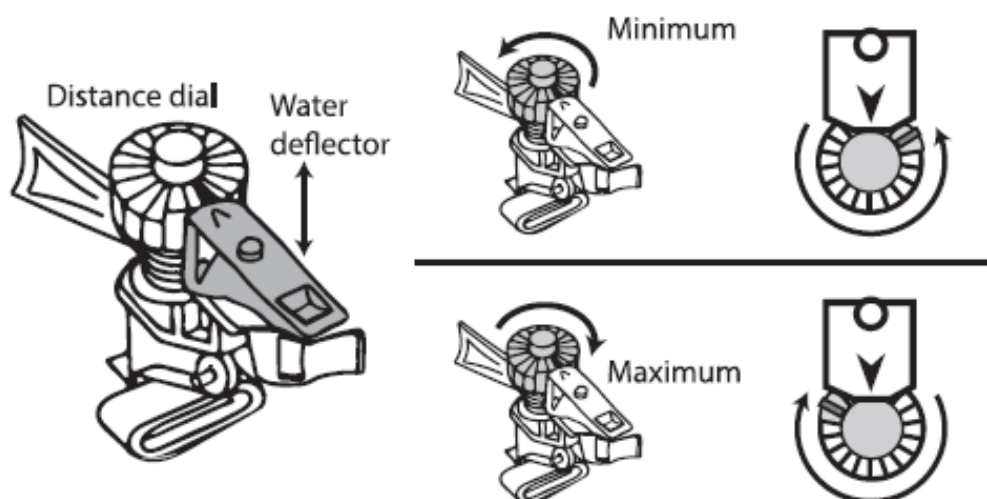
Position the angle tabs so the metal wire clip travels between these tabs and faces the area to be sprayed. the angle tabs determine the arc range of the Garden Sniper from 0 to 300 degrees.



**Figure 1. Angle setting**

### 5.4.2. 2. Adjust the spray distance

Raise and lower the water deflector and turn the distance dial to control the distance of the water spray.



**Figure 2. Distance setting**

### 5.4.3. 3. Test

Activate the Garden Sniper and observe the arc and distance. adjust if necessary.

## 6. Maintenance and cleaning

- Clean the housing with a damp cloth and dry with a soft cloth.
- Wipe detection surface clean regular, to maintain optional detection of animals.

### 6.1. Winterizing

Before the start of the winter it is advised to remove the Garden Sniper from its location.

1. Remove the Garden Sniper from the installed location.
2. Remove the batteries or disconnect the power supply.
3. Clean the inside and outside thoroughly.
4. Store the Garden Sniper in a dry frost free environment.

## 7. Troubleshooting

Minor faults are often sufficient to cause a malfunction. In most cases, you will be able to correct these faults easily yourself. please start by referring to the following table before contacting our technical support. This will help you save much effort an possible expense.

Problem	Cause	Solution
Not activated	Low power. Sensor blocked or dirty. Incorrect sensitivity setting.	Replace the batteries. Clean sensor cover. Adjust settings.
No or low water jet.	Water supply closed. Water supply blocked. Insufficient water pressure.	Open water supply. Unblock water supply. support correct water pressure.
Area coverage not correct.	Incorrect adjustment. Incorrect placement	Adjust angle and distance. Move the Garden Sniper.

If you are unable to correct a fault yourself, please contact our technical support directly.

## 8. Disposal



When disposing of your old device, please do so safely and properly to protect the environment and comply with local regulations.

The packaging consists of cardboard an correspondingly marked plastics that can be recycled. Make them available for recycling.