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> Rain Bird SW10-30PS Drip Irrigation Spot Watering Emitter Manual

## Rain Bird SW10-30PS

# Rain Bird SW10-30PS Drip Irrigation Spot Watering Emitter Instruction Manual

Model: SW10-30PS

## 1. PRODUCT OVERVIEW

The Rain Bird SW10-30PS Drip Irrigation Spot Watering Emitter is designed to deliver a precise 1.0 Gallon Per Hour (GPH) flow rate directly to the root zone of plants. This pressure-compensating emitter ensures uniform water distribution across a wide pressure range, making it ideal for various garden and landscape applications, including shrubs, trees, and container plants. Its self-piercing barb allows for easy insertion into 1/2-inch or larger drip irrigation tubing, or it can be used with 1/4-inch distribution tubing for targeted watering.

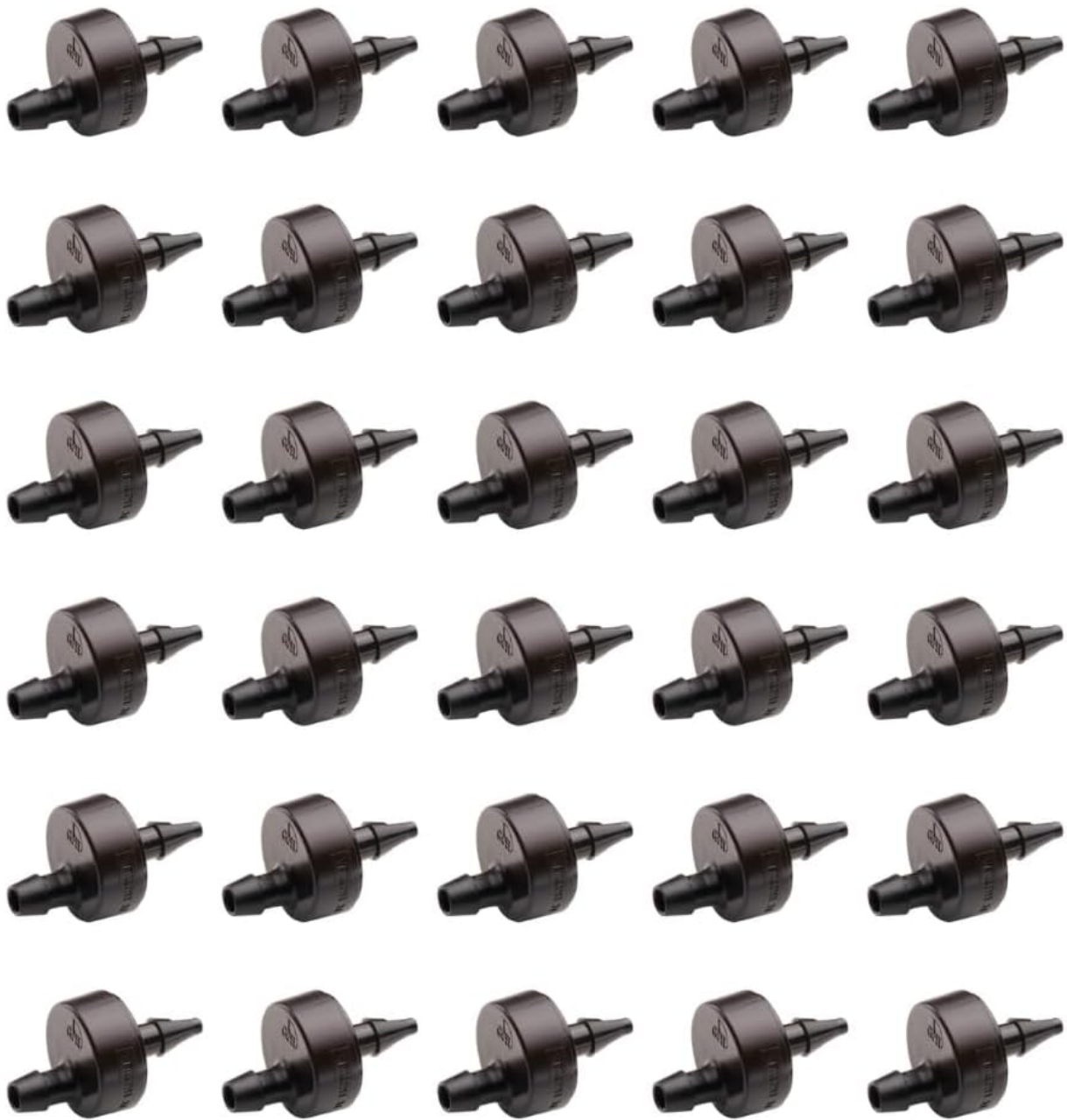


Image: A single Rain Bird SW10-30PS Drip Irrigation Spot Watering Emitter, black in color, with a 1.0 GPH label and text indicating its self-piercing design for 1/4-inch or 1/2-inch tubing.

## 2. SETUP AND INSTALLATION

Proper installation of the Rain Bird SW10-30PS emitter ensures efficient watering. Follow these steps for optimal performance:

- 1. Prepare Tubing:** Lay out your 1/2-inch or larger drip irrigation main tubing in the desired pattern. For individual plants or longer runs, prepare 1/4-inch distribution tubing.
- 2. Insert Emitter:** The SW10-30PS emitter features a self-piercing barb. You can directly insert it into the side wall of 1/2-inch or larger main tubing. For easier installation, use a Rain Bird emitter installation tool (e.g., ET/1PK25S). If using 1/4-inch tubing, connect one end of the 1/4-inch tubing to the emitter's barb and the other end to the main tubing.
- 3. Position Emitter:** Place the emitter near the plant's root zone. For stability and to prevent displacement, use a stake or bug guard to secure the 1/4-inch tubing or the emitter itself.
- 4. Connect to Water Source:** Ensure your drip system is connected to a water source with appropriate pressure regulation and filtration to prevent clogging.



Image: Hands demonstrating the insertion of a Rain Bird drip emitter into a larger diameter drip irrigation tubing using an installation tool.



Image: A purple Rain Bird emitter installation and removal tool.

## Installation Video

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Video: This video provides a visual guide on how to install Rain Bird drip irrigation components, including emitters, into your watering system.

## 3. OPERATING INSTRUCTIONS

The SW10-30PS emitter is designed for consistent and reliable operation:

- **Flow Rate:** Each emitter delivers a steady 1.0 GPH, ensuring that water is slowly absorbed by the soil, reducing runoff and promoting deep root growth.
- **Pressure Compensation:** The emitter maintains a uniform flow rate even with varying water pressures (15 to 50 psi), which is crucial for systems with long tubing runs or elevation changes.
- **Color Coding:** Rain Bird emitters are color-coded for easy identification of their flow rate. The SW10-30PS (1.0 GPH) emitter is typically black.



Image: A Rain Bird drip emitter with a stake delivering water to a plant in a garden bed covered with mulch.



Image: A Rain Bird drip emitter watering a plant in a terracotta pot, demonstrating its use in container gardening.

### **Product Overview Video**

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Video: This video highlights the features and benefits of Rain Bird Spot Watering Emitters, showing their application in various gardening scenarios.

## 4. MAINTENANCE

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To ensure the longevity and continued performance of your Rain Bird emitters, consider the following maintenance tips:

- **Prevent Clogging:** The emitters are designed with large water passages and self-flushing action to minimize clogging. However, it is recommended to use a filter at the water source to prevent sediment from entering the system.
- **Regular Inspection:** Periodically inspect emitters for any signs of clogging or damage. If an emitter is not dripping, it may be clogged and require cleaning or replacement.
- **Winterization:** In colder climates, it is important to properly winterize your drip irrigation system to prevent damage from freezing water. Consult your local irrigation guidelines for specific winterization procedures.
- **Material Durability:** The emitters are constructed from highly durable UV and chemical-resistant materials, designed to withstand adverse outdoor conditions.

## 5. TROUBLESHOOTING

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If you encounter issues with your Rain Bird SW10-30PS emitters, refer to the following common troubleshooting tips:

- **No Water Flow:**
  - Check if the water supply is turned on.
  - Inspect the main tubing and 1/4-inch tubing for kinks or blockages.
  - Examine the emitter for visible debris or sediment. Clean or replace if necessary.
  - Verify that the water pressure is within the recommended range (15-50 psi).
- **Uneven Water Distribution:**
  - Ensure all emitters are correctly installed and not partially blocked.
  - Confirm that the system pressure is consistent. Pressure fluctuations can affect flow.
  - Check for leaks in the tubing or connections, which can reduce pressure to other emitters.
- **Leaks at Connections:**
  - Ensure all barbed connections are fully inserted and secure.
  - Check for damage to the tubing or emitters that might cause leaks.

### Selecting Watering Devices Video

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Video: This video discusses how to select the appropriate spot watering devices for different plant sizes and spacing, which can help in optimizing your irrigation system and preventing common issues.

## 6. SPECIFICATIONS

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Feature	Specification
Model Number	SW10-30PS
Flow Rate	1.0 Gallon Per Hour (GPH)
Quantity	30-Pack
Material	Plastic
Fit Type	Barbed and Self-Piercing
Maximum Pressure	50 PSI

Feature	Specification
Item Dimensions	0.63 x 0.63 x 1.07 inches
UPC	077985007942

## 7. WARRANTY INFORMATION

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Specific warranty details for the Rain Bird SW10-30PS Drip Irrigation Spot Watering Emitter are not provided in this manual. For comprehensive warranty information, please refer to the official Rain Bird website or contact their customer support directly. Always retain your proof of purchase for any warranty claims.

## 8. SUPPORT

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For further assistance, technical support, or additional product information, please visit the official Rain Bird website or contact their customer service department. You can find contact details and a wealth of resources, including FAQs and design guides, on their website.

**Rain Bird Website:** [www.rainbird.com](http://www.rainbird.com)