



Manuals.plus /

› Rain Bird /

› Rain Bird PCT-05 Pressure Compensating Bubbler Instruction Manual

Rain Bird PCT05

Rain Bird PCT-05 Pressure Compensating Bubbler Instruction Manual

Model: PCT05

Brand: Rain Bird

1. INTRODUCTION

The Rain Bird PCT-05 is a pressure-compensating bubbler designed for efficient and consistent watering of individual plants, particularly larger shrubs and trees. This device ensures a uniform flow rate across a wide range of operating pressures, promoting healthy plant growth and conserving water.

2. FEATURES

- **Pressure Compensation:** Delivers a consistent 5.0 GPH (18.93 l/h) flow rate, even with varying water pressure.
- **Durable Construction:** Made from heavy-duty, UV-resistant materials for long-lasting performance in outdoor environments.
- **Targeted Watering:** Ideal for point-source irrigation of larger shrubs and trees, minimizing water waste.
- **Standard Connection:** Features a 1/2" Female Pipe Thread (FPT) inlet for easy integration into existing irrigation systems.

3. SPECIFICATIONS

Specification	Detail
Model	PCT05
Flow Rate	5.0 GPH (18.93 l/h)
Inlet Size	1/2" FPT
Material	UV Resistant
Color	Light Brown
UPC	077985026462
ASIN	B00E1MX9RY

4. SETUP (INSTALLATION)

Follow these steps for proper installation of your Rain Bird PCT-05 Pressure Compensating Bubblers:

- 1. Prepare the Connection Point:** Ensure your irrigation system has a 1/2" FPT fitting available at the desired watering location. This bubbler is compatible with Rain Bird 1800 Series spray heads, XeriPop spray heads, UNISpray, or shrub adapters.
- 2. Thread the Bubblers:** Carefully thread the PCT-05 bubbler onto the 1/2" FPT fitting. Hand-tighten initially, then use a wrench for a snug, leak-free connection. Avoid over-tightening, which can damage the threads.
- 3. Positioning:** Position the bubbler to ensure the water stream is directed towards the base of the plant, allowing for deep and efficient watering.
- 4. System Flush (Optional but Recommended):** Before final installation, briefly flush the irrigation line to remove any debris that could clog the bubbler.
- 5. Test the System:** Turn on the water supply to the irrigation zone and check for proper operation and any leaks. Adjust as necessary.



Image: The Rain Bird PCT-05 bubbler installed on an irrigation pipe, showing water droplets during operation.

5. OPERATING

Once installed, the Rain Bird PCT-05 bubbler operates automatically with your irrigation system. Its pressure-compensating design ensures a consistent flow rate of 5.0 GPH (18.93 l/h) across a wide range of inlet pressures. This means that each plant receives the same amount of water, regardless of its position in the irrigation zone or fluctuations in system pressure.

Ensure your irrigation system is set to run for appropriate durations to meet the watering needs of your specific plants, considering soil type and climate.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your PCT-05 bubbler:

- **Periodic Inspection:** Visually inspect bubblers periodically for any signs of damage, clogs, or debris accumulation.
- **Cleaning:** If a bubbler appears clogged or is not emitting water properly, carefully remove it from the fitting. Rinse it under clean water to dislodge any debris. Avoid using sharp objects that could damage the internal components.

- **Winterization:** In regions subject to freezing temperatures, it is essential to properly winterize your irrigation system, including bubblers. Follow standard irrigation system winterization procedures, which typically involve shutting off the water supply and draining the lines to prevent freeze damage.

7. TROUBLESHOOTING

Refer to the following common issues and their potential solutions:

Problem	Possible Cause	Solution
No water flow from bubbler	Clogged emitter; No water pressure; Shut-off valve closed	Clean the bubbler; Check main water supply; Ensure irrigation zone valve is open
Uneven water flow	Partial clog; Incorrect system pressure	Clean the bubbler; Verify system pressure is within recommended operating range
Leaks at connection point	Loose connection; Damaged threads or fitting	Tighten the bubbler onto the fitting; Inspect threads for damage and replace if necessary

8. WARRANTY

Specific warranty details for the Rain Bird PCT-05 Pressure Compensating Bubbler are typically provided with the product packaging or can be found on the official Rain Bird website. Please retain your proof of purchase for any warranty claims.

9. SUPPORT

For further assistance, technical support, or additional product information, please visit the official Rain Bird website or contact Rain Bird customer service directly. Contact details are usually available on their website.