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Orbit 57623

Orbit 57623 3/4" FPT 100 Series Anti-Siphon Automatic Sprinkler Valve Instruction Manual

Model: 57623 | Brand: Orbit

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1. PRODUCT OVERVIEW

The Orbit 57623 3/4" FPT 100 Series Anti-Siphon Automatic Sprinkler Valve with Flow Control is designed to prevent water backflow and ensure the safety of your irrigation and culinary water systems. Its durable construction and user-friendly features make it an essential component for any standard 24-Volt sprinkler system.

- **Backflow Prevention:** Features an atmospheric vacuum breaker to protect against water contamination in irrigation and culinary systems.
- **Reliable Operation:** Ensures water flows forward, preventing siphoning and backflow for safe lawn and garden irrigation.
- **Easy Installation & Maintenance:** Designed for above-ground installation on risers and includes an integrated scrubber filter for clog-free performance.



Figure 1: Orbit 57623 Anti-Siphon Automatic Sprinkler Valve (3-Pack variant shown).

2. SETUP AND INSTALLATION

The Orbit 100 Series Anti-Siphon Valve is designed for straightforward installation. Follow these steps for proper setup:

1. **Prepare Connections:** Ensure your existing sprinkler system risers are 3/4 inch FPT (Female Pipe Thread) compatible.
2. **Apply Plumber's Tape:** Apply plumber's tape (PTFE tape) to the male threaded fittings of the risers before connecting the valve. This is crucial to prevent leaks. Tighten connections firmly but do not overtighten.
3. **Connect Valve:** Thread the anti-siphon valve onto the risers. The valve is designed for above-ground installation.
4. **Wire to Sprinkler Timer:** Connect the valve's wires to your standard 24-Volt sprinkler timer. Use waterproof wire nuts for secure and protected connections, especially in outdoor environments.

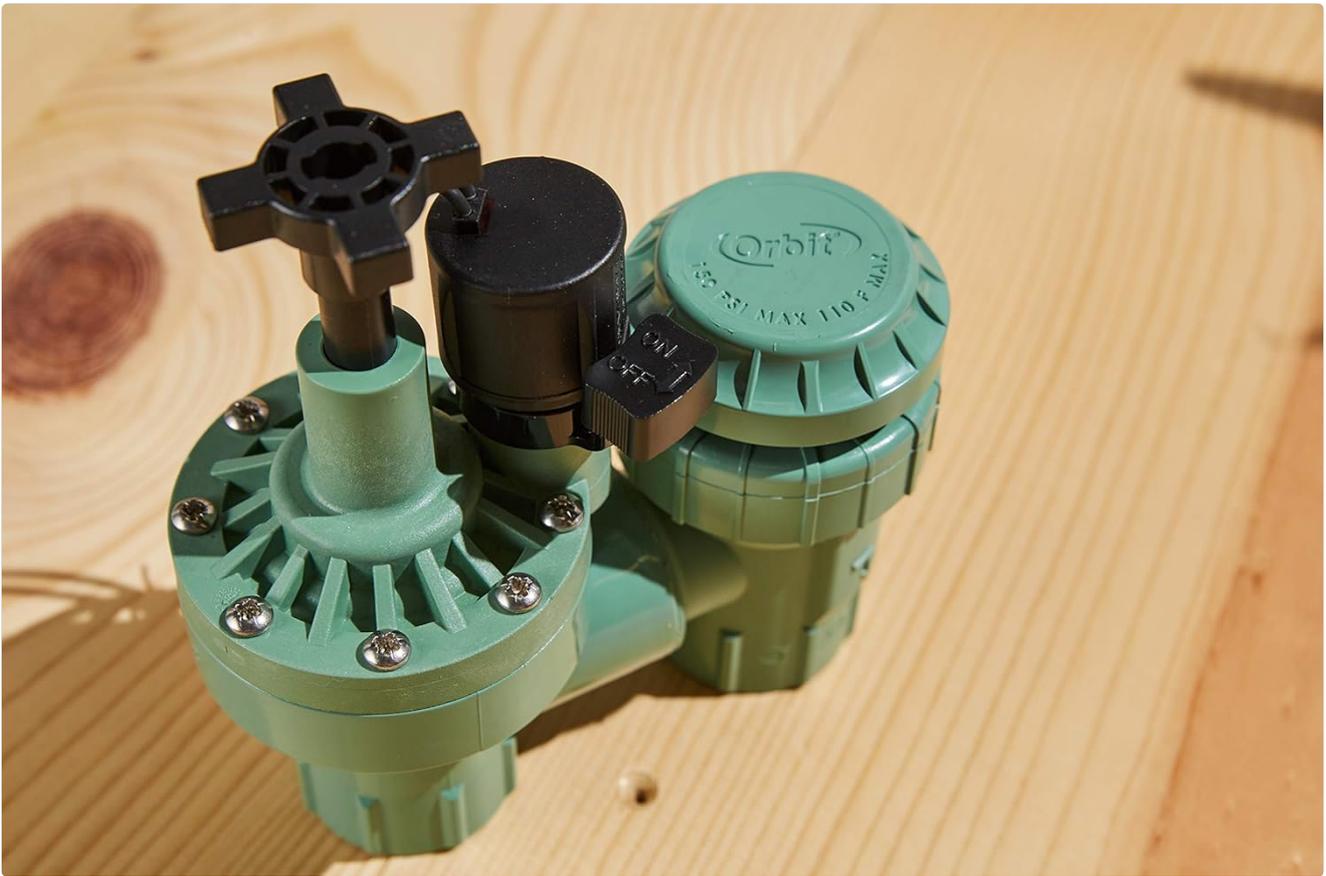


Figure 2: Side view of the Orbit 57623 valve showing threaded connections to irrigation pipes.

3. OPERATING THE VALVE

The Orbit 100 Series valve can be operated automatically via a sprinkler timer or manually for testing and flushing purposes.

Automatic Operation

Once wired to a compatible 24-Volt sprinkler timer, the valve will open and close according to the programmed schedule. Ensure all electrical connections are secure and waterproof.

Manual Operation

For manual control, you have two options:

- **Solenoid Turn:** Gently turn the solenoid (the black cylindrical component on top of the valve) counter-clockwise. This will open the valve manually. To close, turn it clockwise.
- **Bleeder Valve:** Locate the bleeder screw on the valve. Turn this screw counter-clockwise to open the valve and allow water flow. Turn it clockwise to close the valve.

Manual operation is useful for testing your system or flushing lines without activating the full timer program.



Figure 3: Top view of the Orbit 57623 valve, highlighting the solenoid and bleeder valve for manual control.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Orbit Anti-Siphon Valve.

- **Scrubber Filter:** The valve includes an integrated scrubber filter designed for clog-free operation. Periodically inspect and clean this filter to prevent debris buildup that could affect water flow or valve function.
- **Threaded Connections:** Regularly check all threaded connections for any signs of leaks. If leaks occur, re-apply plumber's tape and re-tighten the fittings.
- **Solenoid Connection:** Ensure the solenoid is screwed in finger-tight to make proper electrical contact. A loose solenoid can prevent the valve from operating automatically.
- **Winterization:** In regions subject to freezing temperatures, proper winterization of your irrigation system, including the anti-siphon valves, is essential to prevent damage. Consult local guidelines for specific winterization procedures.



Figure 4: View of the Orbit 57623 valve, illustrating its robust construction for durability.

5. TROUBLESHOOTING

If you encounter issues with your Orbit Anti-Siphon Valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Valve leaks at threaded fittings.	Insufficient plumber's tape or loose connection.	Ensure adequate plumber's tape is applied to male threads. Tighten fittings securely.
Valve does not open automatically (only buzzes).	Solenoid not screwed in tight enough to make contact.	Ensure the solenoid is screwed in finger-tight onto the valve body.
Valve leaks from the top.	Damaged internal components or loose top cap.	Check if the top cap is securely fastened. If leaking persists, inspect for damage or contact Orbit support.
Reduced water flow.	Clogged scrubber filter or debris in the valve.	Inspect and clean the integrated scrubber filter. Flush the system to remove any debris.

6. SPECIFICATIONS

Feature	Detail
Model Number	57623 (also referred to as 57065 in some documentation)
Brand	Orbit
Material	Plastic, Polyvinyl Chloride
Item Dimensions (L x W x H)	4 x 6 x 7 inches
Exterior Finish	Nickel
Inlet Connection Type	Threaded
Outlet Connection Type	Threaded
Number of Ports	6
Specification Met	NSF
UPC	840041532074
Thread Size	3/4 inch
Thread Type	NPT
Valve Type	Float Valve (Note: This might be a generic classification, the product is an Anti-Siphon Sprinkler Valve)
Size (Variant)	3 Pack 3/4 Inch FPT 100 Series
Number of Pieces	3 (for this specific pack)

7. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your Orbit 57623 Anti-Siphon Automatic Sprinkler Valve, please contact Orbit customer service directly. Refer to the official Orbit website or product packaging for the most current contact details and warranty terms.

You can often find support resources, FAQs, and contact information on the [Orbit Brand Store](#).