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› Orbit 57250 2-Valve Heavy Duty Preassembled Manifold Instruction Manual

Orbit 57250

Orbit 57250 2-Valve Heavy Duty Preassembled Manifold Instruction Manual

Model: 57250 | Brand: Orbit

INTRODUCTION

The Orbit 57250 2-Valve Heavy Duty Preassembled Manifold is designed to simplify the installation and maintenance of your irrigation valve system. This unit provides a fully engineered and assembled multi-zone valve system, offering optimum serviceability. It is intended for outdoor irrigation use with cold water only.

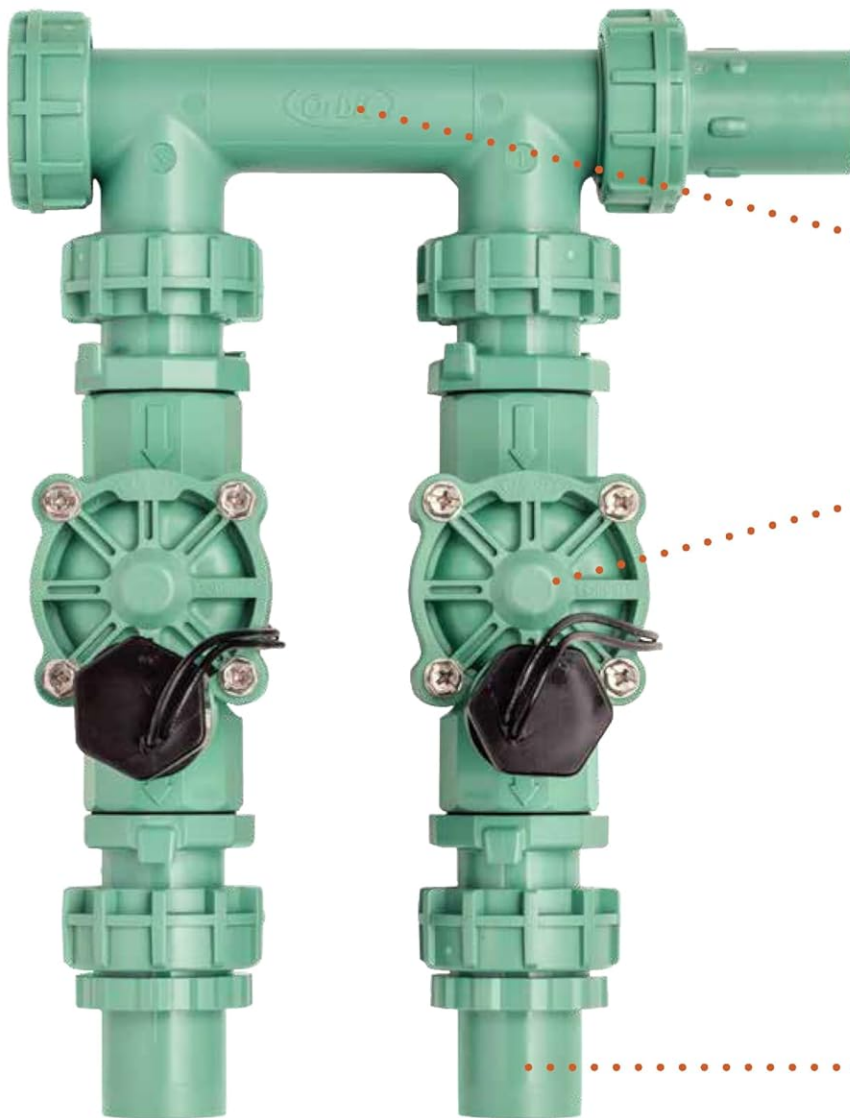


Image: The Orbit 57250 2-Valve Heavy Duty Preassembled Manifold, showing its green PVC construction and two integrated valves with solenoids.

SETUP AND INSTALLATION

The preassembled manifold significantly reduces installation time by providing a ready-to-install unit. It is compatible with standard 24 VAC sprinkler systems.

Components Overview



Compatible—Works with residential standard 24 volt sprinkler systems

Compatible: Funciona con sistemas de regadores residenciales estándar de 24 voltios

2-Port Manifold with Unions—Impact and UV resistant construction

Tubo colector de 2 puertos con uniones: Fabricación resistente a los impactos y a los rayos ultravioleta UV

Heavy-Duty In-line Valve—Designed to be easily installed and maintained, while providing professional grade performance.

Válvula en línea para trabajo pesado: Diseñado para contar con una instalación y un mantenimiento fácil, al proporcionar un rendimiento de nivel profesional

Speed-Seal™—Makes wiring a snap and creates a weather-proof seal. Easily organize your wiring with the included labels so you know which wires belong to each valve.

Speed-Seal™: Facilita el cableado y crea un sello impermeable. Organice fácilmente el cableado con las etiquetas incluidas de manera que usted sepa qué cables pertenecen a cada válvula.

PVC Slip Adapters—For use with ¾" PVC pipe or with 1" PVC pipe using a 1" coupler

Adaptadores deslizantes de PVC: Para usar con tubos de PVC de ¾" o con tubos de PVC de 1" con un acoplador de 1"

Image: A detailed diagram illustrating the components of the Orbit 2-Valve Manifold, including the 2-port manifold with unions, heavy-duty in-line valves, Speed-Seal wiring, and PVC slip adapters.

- **2-Port Manifold with Unions:** Designed for impact and UV resistant construction.
- **Heavy-Duty In-Line Valve:** Engineered for easy installation and maintenance, providing professional-grade performance.
- **Speed-Seal™:** Facilitates weather-proof wiring connections.
- **PVC Slip Adapters:** For use with ¾-inch PVC pipe or 1-inch PVC pipe using a 1-inch coupler.

Installation Steps

1. **Prepare the Location:** Dig a trench and prepare a valve box base if installing underground.
2. **Connect to Mainline:** Attach the manifold to your irrigation mainline. The manifold features special swivel unions for a secure, watertight seal.
3. **Connect to Zone Pipes:** Attach the manifold to your PVC or poly zone pipes using appropriate adapters. Ensure all connections are hand-tightened to prevent leaks.

4. **Wiring:** Connect the valve solenoids to your sprinkler timer using the Speed-Seal™ wiring system. Label wires for easy identification.

EASY INSTALLATION

Attach Manifold to Mainline

Attach Manifold to PVC (Poly Adapters Available)

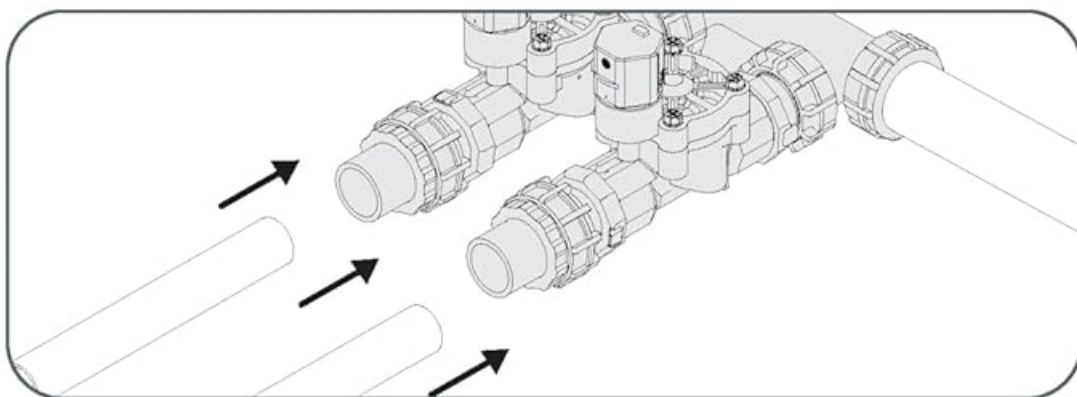
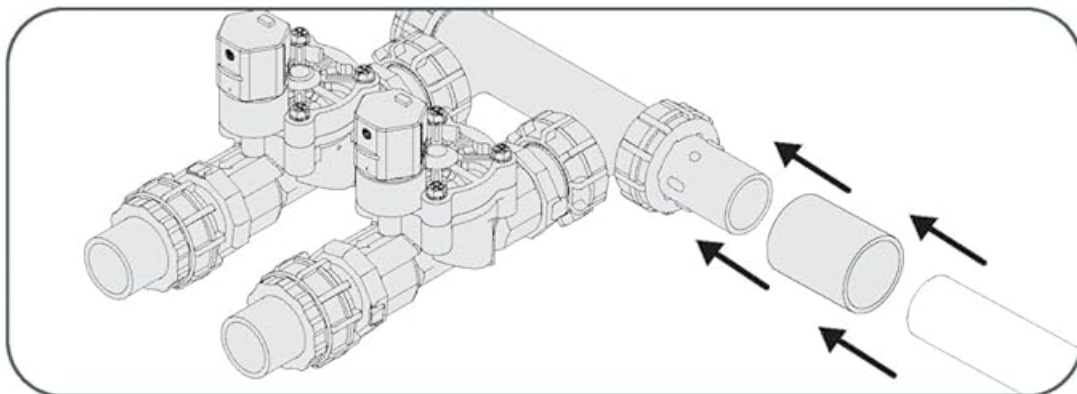
Use Speed-Seal™ to Wire Valves to Timer

INSTALACIÓN FÁCIL

Una el tubo colector con la tubería principal

Una el tubo colector con el PVC (adaptadores de polietileno disponibles)

Use Speed-Seal™ para conectar las válvulas con el temporizador



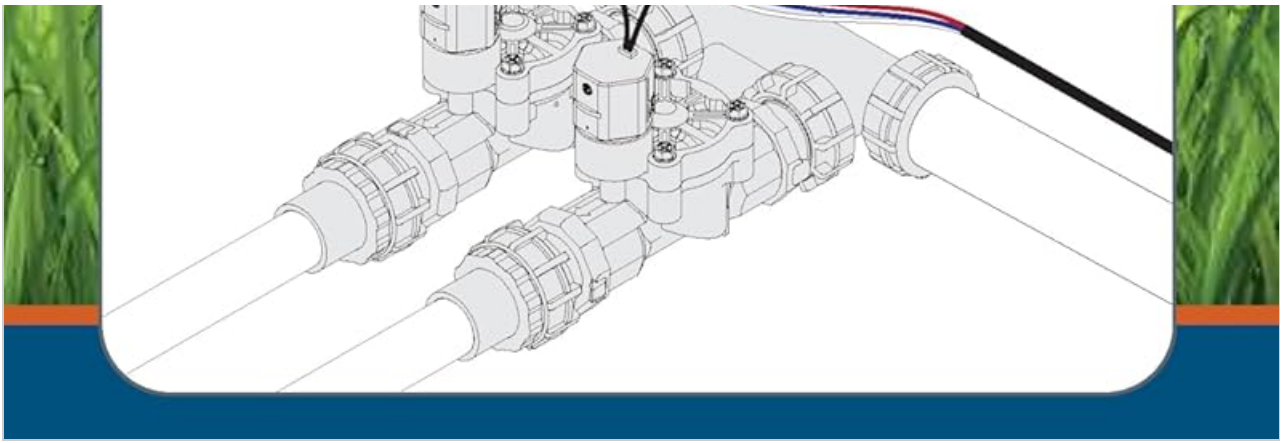


Image: Visual guide showing the steps for easy installation: attaching the manifold to the mainline, connecting to PVC pipes, and wiring the valves to a timer.

Video Guide: Orbit Preassembled Manifold Installation

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Video: An official guide from Orbit Irrigation Products, Inc. demonstrating the installation process of the preassembled manifold, including connecting pipes and wiring.

OPERATING INSTRUCTIONS

The Orbit 57250 manifold uses L-Series valves with internal-bleed, 24 VAC solenoids. These are compatible with most standard irrigation controllers, including those from Orbit and Hydro-Rain.

- **Automatic Operation:** Connect the solenoids to your irrigation timer. Program your timer according to its specific instructions to control the watering schedules for each zone.
- **Manual Operation:** Each valve typically includes a manual override lever or screw. Refer to the specific valve's markings for manual ON/OFF operation. This allows for testing or temporary watering without the timer.

MAINTENANCE

The design of the Orbit preassembled manifold prioritizes ease of maintenance. The swivel unions allow for simple replacement or addition of components.

- **Valve Replacement:** If a valve needs replacement, unthread the swivel union, slide it back, and replace the valve. This process avoids extensive digging or re-gluing.
- **Adding Components:** Additional manifold fittings, such as drip filters or pressure regulators, can be easily integrated into the system using the swivel unions.
- **Preventative Measures:** To ensure a watertight seal and prolong the life of your manifold, consider applying Teflon tape to all threaded connections (excluding solenoid threads) and lubricating O-rings during installation or maintenance.

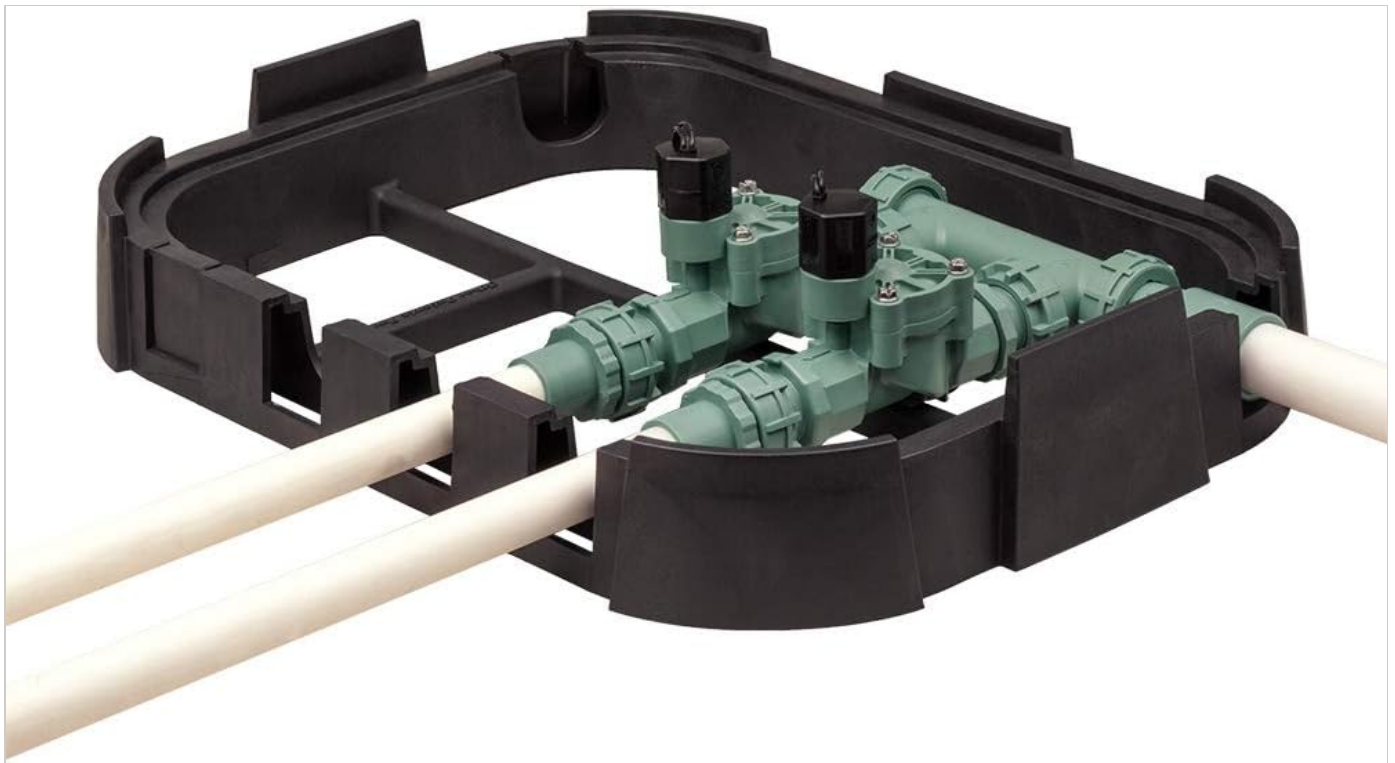


Image: The Orbit 2-Valve Manifold shown installed within a valve box, demonstrating how it fits into an underground irrigation system.

TROUBLESHOOTING

If you encounter issues with your Orbit 57250 manifold, consider the following common troubleshooting steps:

- **Leaks:**
 - Check all connections for proper tightening. Hand-tighten swivel unions.
 - Ensure O-rings are properly seated and lubricated.
 - Inspect valve bodies for cracks or damage.
 - If leaks persist, consider disassembling and reassembling connections with fresh Teflon tape.
- **Valve Not Opening/Closing:**
 - Verify electrical connections to the solenoid are secure and correctly wired to the timer.
 - Test the solenoid by manually operating the valve. If manual operation works but automatic does not, the solenoid or wiring may be faulty.
 - Ensure sufficient water pressure.
- **Water Flow Issues:**
 - Check for blockages in the pipes or valves.
 - Ensure the main water supply to the irrigation system is fully open.

SPECIFICATIONS

Feature	Detail
Model Number	57250
Number of Valves	2

Material	Plastic (PVC)
Color	Green
Item Dimensions (L x W x H)	5.63 x 9.25 x 12.5 inches
Item Weight	3.25 Pounds
Connector Type	Adapter
Thread Size	3/4 inch
Power (Solenoids)	24 VAC

WARRANTY AND SUPPORT

This product is manufactured by Orbit Irrigation Products. For specific warranty details and duration, please refer to the packaging or contact Orbit customer support directly. General return policies may vary based on the retailer.

- **Manufacturer Warranty:** The provided data indicates a warranty duration of "6". Please refer to the product packaging or Orbit's official website for complete warranty terms and conditions.
- **Return Policy (Amazon):** 30 days for refund/replacement.

For technical assistance, replacement parts, or further inquiries, please visit the official Orbit website or contact their customer service department.

