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- › [Orbit](#) /
- › [Orbit 67364 Drip Emitter Tubing Instruction Manual](#)

Orbit 67364

Orbit 67364 Drip Emitter Tubing Instruction Manual

1. PRODUCT OVERVIEW

The Orbit 67364 is a 1/4-inch by 50-foot pressure-compensating drip emitter tubing designed for efficient and targeted watering. This tubing features integrated emitters spaced every 12 inches, delivering a consistent flow rate of 0.50 GPH (gallons per hour). Constructed from UV-resistant low-density polyethylene, it is flexible and suitable for various garden applications.



Image 1.1: Orbit 67364 1/4-inch Drip Emitter Tubing, coiled.

Key Features:

- **Targeted Watering:** Ideal for watering closely spaced plants, hedges, vegetable gardens, planter boxes, and ground cover.
- **Integrated Emitters:** UV-resistant polyethylene tubing with pre-installed drip emitters spaced every 12 inches.
- **Consistent Flow:** Pre-installed, pressure-compensating (PC) emitters deliver 0.50 GPH for 1/4-inch tubing.
- **Standard Dimensions:** Nominal outside diameter of 0.25 inches.
- **Broad Compatibility:** Compatible with 1/4-inch drip fittings from Orbit, Hydro-Rain, and other major brands.

2. SETUP AND INSTALLATION

Proper setup ensures optimal performance and water efficiency for your drip irrigation system.

Installation Steps:

1. **Plan Your Layout:** Determine the desired path for your drip tubing. This tubing can be installed above

ground, under mulch, or bark, and is suitable for planter boxes, vegetable gardens, box gardens, or looping around individual plants and trees.

2. **Connect to Water Source:** Attach the drip tubing system to a cold water source. Ensure all connections are secure to prevent leaks.
3. **Install Pressure Regulator and Filter (Recommended):** For optimal performance and to prevent clogging, install a pressure regulator and filter (sold separately) upstream of the drip tubing. This should be placed immediately after the valve or hose faucet connection.
4. **Lay Out Tubing:** Carefully unroll and position the tubing according to your planned layout. Ensure emitters are positioned near the base of plants for direct watering.
5. **Secure Tubing:** Use drip stakes (sold separately) to hold the tubing firmly in place, especially in windy areas or on uneven terrain.
6. **Check Compatibility:** Ensure all fittings used are compatible with 1/4-inch drip tubing.



Image 2.1: A person installing drip irrigation tubing around plants in a garden bed.

3. OPERATING INSTRUCTIONS

Once installed, operating the Orbit 67364 drip emitter tubing is straightforward. The system is designed for continuous, low-volume watering.

Usage Guidelines:

- **Water Source Activation:** Turn on the cold water supply to your drip irrigation system.
- **Flow Rate:** The integrated pressure-compensating emitters will automatically deliver a consistent 0.50 GPH of water per emitter, regardless of minor pressure fluctuations in your water line.
- **Watering Duration:** Adjust the watering duration based on your plants' needs, soil type, and local climate. Drip irrigation typically requires longer watering times at lower frequencies compared to traditional sprinklers.
- **System Monitoring:** Periodically observe the system during operation to ensure all emitters are dripping consistently and that water is reaching the intended areas without runoff.

- **Cold Water Use Only:** This product is designed exclusively for outdoor use with cold water. Do not connect to hot water lines.



Image 3.1: Close-up view of drip emitters delivering water directly to the base of a plant.

4. MAINTENANCE

Regular maintenance helps prolong the life of your drip system and ensures efficient watering.

Maintenance Tips:

- **Regular Inspection:** Routinely inspect the entire length of the tubing for any signs of damage, such as cuts, punctures, or severe kinks. Repair or replace damaged sections promptly.
- **Filter Cleaning:** If a filter is installed in your system, clean it regularly according to the filter manufacturer's instructions. This prevents sediment and debris from clogging the drip emitters.
- **Emitter Check:** Periodically verify that all emitters are dripping consistently. If an emitter appears blocked, gently try to clear it. Avoid using sharp objects that could damage the emitter.
- **Flush Lines:** Occasionally, flush the drip lines by temporarily removing the end caps (if applicable) and allowing water to run through to clear out any accumulated debris.
- **Winterization (for cold climates):** Before the first freeze, disconnect the drip system from the water source. Drain all water from the tubing and components to prevent freezing and cracking. Store the tubing in a protected, dry area during winter months.



Image 4.1: A drip irrigation assortment kit showing various components for system maintenance and expansion.

5. TROUBLESHOOTING

If you encounter issues with your Orbit 67364 drip emitter tubing, refer to the following troubleshooting guide:

Common Issues and Solutions:

- **Low or No Water Flow from Emitters:**
 - **Check Water Source:** Ensure the main water supply is fully open and providing adequate pressure.
 - **Inspect Pressure Regulator and Filter:** If installed, check the pressure regulator for proper function and clean any debris from the filter. A clogged filter is a common cause of reduced flow.
 - **Examine Tubing for Kinks:** Look for any kinks, sharp bends, or crimps in the tubing that might restrict water flow. Straighten the tubing as needed.
 - **Clear Emitter Blockages:** Visually inspect individual emitters for dirt, mineral deposits, or other blockages. Gently try to dislodge any debris.
- **Uneven Watering:**
 - **Tubing Placement:** Ensure the tubing is laid out evenly and secured with stakes to prevent shifting, which can alter emitter positioning.
 - **Emitter Function:** Verify that all emitters are clear and functioning correctly. Replace any emitters that are consistently not dripping or are spraying incorrectly.
 - **System Pressure:** Confirm that the system pressure is within the recommended operating range for drip irrigation. Too high or too low pressure can affect emitter performance.
- **Leaks in the System:**
 - **Check Connections:** Tighten all connections between the tubing and fittings.
 - **Inspect Tubing:** Look for punctures or cracks in the tubing. Small holes can sometimes be repaired with a coupling, while larger damage may require replacing a section of tubing.

6. SPECIFICATIONS

Detailed specifications for the Orbit 67364 Drip Emitter Tubing:

Specification	Detail
Brand	Orbit
Model Number	67364
Material	Polyethylene (PE)
Color	Brown
Product Dimensions (L x W)	50 Feet (600 inches) x 0.25 Inches
Item Weight	0.27 Kilograms (9.6 ounces)
Nominal Wall Thickness	0.25 inch
Outside Diameter	0.25 Inches

Specification	Detail
Emitter Spacing	12 inches
Emitter Flow Rate	0.50 GPH (Gallons Per Hour)
UPC	046878673649
Manufacturer	Orbit Irrigation
Specific Uses	Gardening, Plant Care

7. WARRANTY INFORMATION

This Orbit product is covered by a limited manufacturer's warranty. The warranty typically covers defects in materials and workmanship under normal use. For specific details regarding warranty coverage, duration, terms, and conditions, please refer to the official Orbit website or contact Orbit customer service directly. Keep your proof of purchase for warranty claims.

8. CUSTOMER SUPPORT

For technical assistance, product inquiries, or to purchase accessories and replacement parts, please utilize the following resources:

- **Official Website:** Visit the official Orbit website for comprehensive product information, FAQs, and support resources: www.orbitonline.com
- **Customer Service:** Contact Orbit customer support directly for personalized assistance. Refer to the website for current contact methods (phone, email, chat).