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> Orbit 55025 Plastic Pop-up Impact Sprinkler Spray Head User Manual

Orbit 55025

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User Manual

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Orbit 55025 Plastic Pop-up Impact Sprinkler Spray Head. This sprinkler is designed for efficient lawn and garden watering, offering adjustable coverage and durable construction.

PRODUCT FEATURES

- Area coverage up to 80 feet in diameter, adjustable from partial to full circle.
- Flow-through design for reliable performance, even with dirty water systems.
- Heavy-duty, UV-resistant canister with a reinforced ribbed design for durability.
- Double weighted arm enhances pressure range and spray distance.
- Diffuser screw for fine-tuning spray distance.



Image: The Orbit 55025 Pop-up Impact Sprinkler actively watering a lawn, demonstrating its spray pattern.

SETUP AND INSTALLATION

1. **Prepare the Area:** Dig a trench for the sprinkler pipe to the desired location of the sprinkler head. Ensure the trench is deep enough for the sprinkler to be flush with the ground when retracted.
2. **Connect to Water Line:** Thread the sprinkler head onto the appropriate fitting on your underground irrigation pipe. Use Teflon tape or pipe sealant on threads to ensure a watertight connection.
3. **Position the Sprinkler:** Ensure the top of the sprinkler head is level with the ground surface. Backfill the trench, compacting the soil around the sprinkler to secure it in place.
4. **Initial Water Test:** Turn on the water supply to the zone. Observe the sprinkler's pop-up and initial spray pattern.





Image: A detailed view of the Orbit 55025 Pop-up Impact Sprinkler head, showing its components.

OPERATING INSTRUCTIONS

The Orbit 55025 sprinkler allows for adjustment of spray distance and arc. Perform adjustments while the water is

running to observe the changes.

Adjusting Spray Arc (Pattern)

- The sprinkler is designed for partial to full circle coverage.
- To adjust the arc, locate the adjustment collar or tabs on the top of the sprinkler head.
- Rotate the collar or move the tabs to set the desired start and end points of the spray pattern.

Adjusting Spray Distance

- The diffuser screw, located on the nozzle, controls the spray distance.
- Turn the diffuser screw clockwise to decrease the spray distance and break up the water stream for closer watering.
- Turn the diffuser screw counter-clockwise to increase the spray distance.

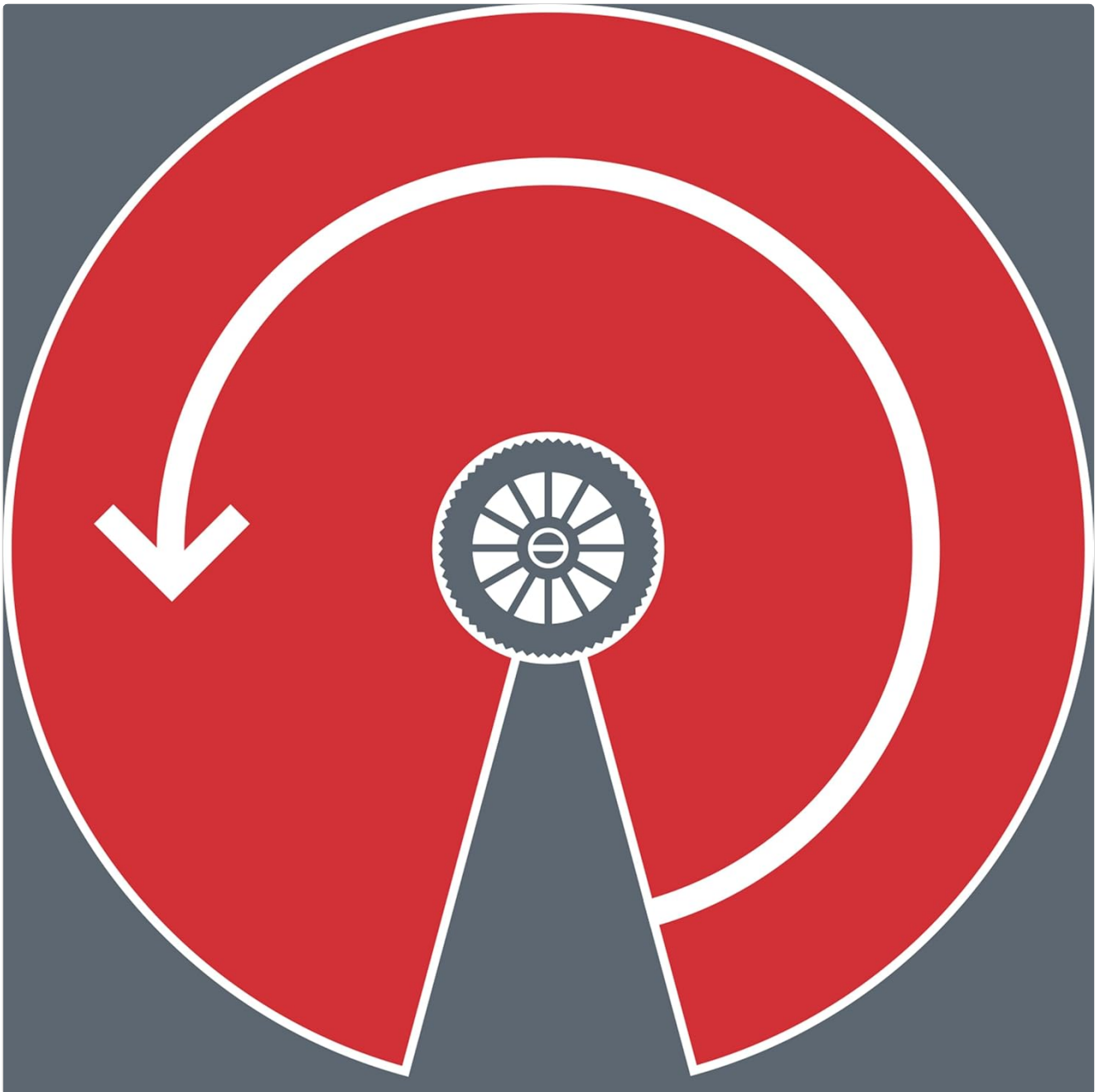


Image: A graphic representation of how to adjust the spray arc of an impact sprinkler.

- **Cleaning:** Periodically check the sprinkler head for debris such as grass clippings or dirt that may obstruct the nozzle or impact arm. Clean as necessary.
- **Winterization:** In freezing climates, ensure all water is drained from the irrigation system, including the sprinkler heads, to prevent damage from ice expansion. Consult your irrigation system's main manual for proper winterization procedures.
- **Inspection:** Regularly inspect the sprinkler for any signs of wear or damage. Replace damaged components or the entire head if necessary to maintain optimal performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprinkler not rotating	Low water pressure, debris in mechanism, worn parts.	Check water pressure. Clean debris from the impact arm and nozzle. Inspect for worn internal components.
Uneven spray pattern	Nozzle partially blocked, diffuser screw misadjusted, low water pressure.	Clear nozzle obstruction. Adjust diffuser screw. Verify adequate water pressure.
Sprinkler not popping up	Low water pressure, dirt/debris in canister, damaged spring.	Ensure sufficient water pressure. Clean inside the canister. Replace if spring is damaged.

SPECIFICATIONS

- **Model Number:** 55025
- **Material:** Plastic
- **Style:** Pop-Up Impact Sprinkler
- **Dimensions (L x W x H):** 5.25 x 5.25 x 9 inches
- **Maximum Pressure:** 80 PSI (Pound per Square Inch)
- **Coverage:** Up to 80 feet diameter
- **Inlet Size:** Typically 1/2 inch or 3/4 inch NPT (National Pipe Taper)



Image: A diagram illustrating the key dimensions of the Orbit 55025 sprinkler head.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Orbit website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information:

- **Website:** www.orbitonline.com
- **Customer Service:** Refer to the website for current contact methods (phone, email, chat).

