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Hunter PGJ-04

Hunter PGJ-04 Rotor Sprinkler Instruction Manual

Model: PGJ-04

INTRODUCTION

The Hunter PGJ-04 Rotor Sprinkler is designed for efficient and reliable irrigation in residential and light commercial applications. It incorporates the features of larger rotors into a compact design, suitable for typical spray applications. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your sprinkler system.

SAFETY INFORMATION

Please read all instructions carefully before installing or operating the sprinkler. Failure to follow these instructions may result in property damage or injury.

- Always turn off the water supply before performing any installation or maintenance.
- Wear appropriate safety gear, such as eye protection, when working with tools.
- Ensure all connections are secure to prevent leaks and water waste.
- Keep children and pets away from the work area during installation.

PACKAGE CONTENTS

Verify that all components are present in your package:

- Hunter PGJ-04 Rotor Sprinkler(s)
- Nozzle rack (various nozzles)
- Hunter adjustment tool

SETUP AND INSTALLATION

1. Sprinkler Placement

Position the sprinkler heads to ensure optimal coverage of your desired irrigation area. Consider

overlapping spray patterns for uniform watering.





Image: The Hunter PGJ-04 Rotor Sprinkler in its retracted position, showing the main body and the pop-up riser.

2. Trenching and Pipe Installation

Dig trenches to the appropriate depth for your local climate and pipe size. Lay the irrigation pipes, ensuring they are level and free of debris. Use appropriate fittings for connections.

3. Connecting the Sprinkler

Thread the PGJ-04 rotor onto the riser from the lateral pipe. Ensure the top of the sprinkler head is flush with the ground level when retracted. Hand-tighten the connection, then use a wrench for a final quarter-turn to secure it, being careful not to overtighten.

4. Nozzle Installation

The PGJ-04 comes with a variety of nozzles to achieve different flow rates and spray patterns. Select the appropriate nozzle for your specific needs.

1. Pull up the riser to expose the nozzle socket.
2. Insert the plastic key of the Hunter adjustment tool into the keyhole on the top of the sprinkler. Turn the key 90 degrees counter-clockwise to loosen the nozzle retention screw.
3. Carefully remove the existing nozzle (if any) or insert the desired nozzle into the socket. Ensure it is seated correctly.
4. Tighten the nozzle retention screw by turning the key 90 degrees clockwise.

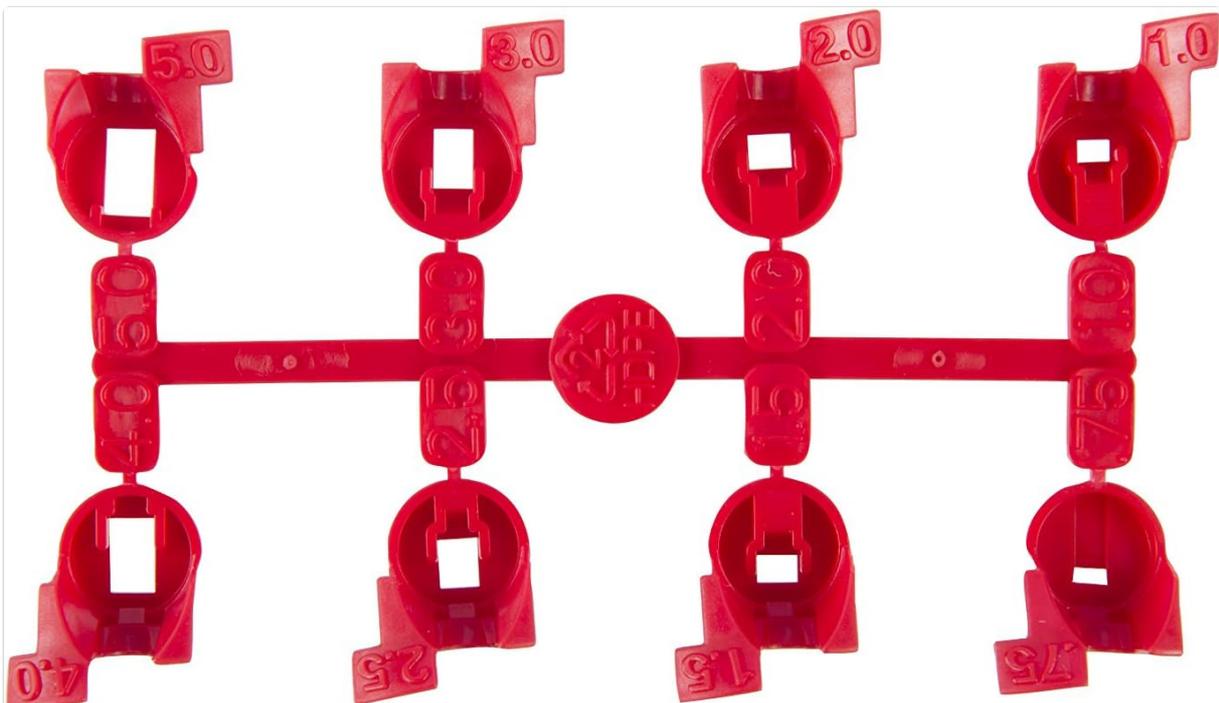


Image: A rack of red nozzles for the Hunter PGJ-04 rotor sprinkler, showing different flow rates and spray patterns.

5. Arc Adjustment (Setting the Right Stop)

The PGJ-04 is factory-set to rotate counter-clockwise from a fixed right stop. The right stop is the non-adjustable side of the spray pattern.

1. Turn on the water supply to allow the sprinkler to pop up.
2. Rotate the nozzle turret manually to the right stop. This is the fixed side of the arc.
3. If the right stop is not aligned with the desired right edge of your watering area, you can adjust the entire sprinkler body. Dig around the sprinkler and rotate the entire body until the right stop is correctly positioned.

6. Arc Adjustment (Setting the Left Stop)

The left stop defines the adjustable side of the spray pattern.

1. Insert the plastic key of the Hunter adjustment tool into the arc adjustment slot (marked with a plus/minus sign) on the top of the sprinkler.
2. Turn the key clockwise to increase the arc (move the left stop further counter-clockwise) or counter-clockwise to decrease the arc (move the left stop closer to the right stop).
3. The arc can be adjusted from 40 to 360 degrees.

7. Radius Adjustment

The radius adjustment screw allows fine-tuning of the spray distance.

- Insert the metal end of the Hunter adjustment tool into the radius adjustment screw located on the top of the sprinkler.
- Turn the screw clockwise to decrease the radius or counter-clockwise to increase the radius.
- Do not turn the screw more than five full turns, as this can interfere with the spray pattern.

OPERATING INSTRUCTIONS

Once installed and adjusted, the Hunter PGJ-04 operates automatically with your irrigation controller. Ensure your controller is programmed correctly for desired watering times and durations.



Image: A Hunter PGJ-04 rotor sprinkler head extended and actively watering a lawn, showing the water spray pattern.

Water-Lubricated Gear Drive

The PGJ-04 features a water-lubricated gear drive system. This design ensures reliable rotation year after year by utilizing the flowing water to lubricate the internal gears, reducing wear and extending the lifespan of the sprinkler.

MAINTENANCE

Filter Screen Cleaning

The PGJ-04 is equipped with an extra-large filter screen to trap debris. Regular cleaning helps maintain optimal performance.

1. Turn off the water supply to the sprinkler.
2. Unscrew the top cap of the sprinkler.
3. Carefully pull out the riser assembly. The filter screen is located at the bottom of the riser.
4. Remove the filter screen and rinse it thoroughly under running water to remove any accumulated debris.
5. Reinsert the clean filter screen, then the riser assembly, and screw the top cap back on securely.

Winterization

In regions with freezing temperatures, it is crucial to winterize your irrigation system to prevent damage.

- Shut off the main water supply to the irrigation system.
- Drain all water from the pipes using drain valves or by blowing out the system with an air compressor (consult a professional for air blow-out).
- Ensure all sprinkler heads are fully drained.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sprinkler not rotating	Low water pressure, debris in gear drive, worn internal components.	Check system pressure. Clean filter screen. If problem persists, consider replacing the sprinkler.
Uneven spray pattern	Incorrect nozzle, clogged nozzle, radius adjustment screw too tight.	Verify correct nozzle is installed. Clean or replace nozzle. Loosen radius adjustment screw slightly.
Water leaking from base	Loose connection, damaged seal.	Tighten connection to riser. Inspect for cracks or damage; replace if necessary.
Sprinkler not popping up	Low water pressure, debris preventing pop-up, damaged spring.	Check system pressure. Clear debris around the head. If spring is damaged, replace the sprinkler.

SPECIFICATIONS

- **Model:** PGJ-04
- **Pop-Up Height:** 4 inches
- **Arc Adjustment:** 40° to 360°
- **Material:** Plastic
- **Color:** Black
- **Item Weight:** Approximately 8.94 pounds (for a case of 25)
- **Manufacturer:** Hunter

WARRANTY AND SUPPORT

Hunter Industries products are manufactured to the highest quality standards and are backed by a manufacturer's warranty. For specific warranty details, please refer to the official Hunter Industries website

or contact their customer support.

For technical assistance, replacement parts, or further inquiries, please visit the official Hunter Industries support page or contact their customer service department directly. When contacting support, please have your product model number (PGJ-04) available.