

Rain Bird R-VAN1318

Rain Bird R-VAN1318 Adjustable Rotary Nozzle Instruction Manual

Model: R-VAN1318 | Brand: Rain Bird

INTRODUCTION

This instruction manual provides detailed guidance for the installation, operation, and maintenance of your Rain Bird R-VAN1318 Adjustable Rotary Nozzle. The R-VAN series is designed for efficient water distribution, offering flexibility in arc and radius adjustments to meet diverse landscape watering needs. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your product.

SAFETY INFORMATION

- Always turn off the water supply before installing, adjusting, or performing maintenance on the sprinkler system.
- Wear appropriate safety gear, such as gloves and eye protection, during installation and maintenance.
- Keep small parts away from children to prevent choking hazards.
- Do not use this product for purposes other than its intended irrigation function.
- Ensure all connections are secure to prevent leaks and water waste.

PACKAGE CONTENTS

Your package should contain the following items:

- Rain Bird R-VAN1318 Adjustable Rotary Nozzles (quantity as purchased, e.g., 5 nozzles)
- Instruction Manual (this document)



Image Description: This image displays a set of five Rain Bird R-VAN Adjustable Rotary Nozzles. Each nozzle features a black main body, a beige-colored gear-like adjustment collar at the top, and a clear, cylindrical filter screen at the base. The nozzles are designed for efficient and precise irrigation.

FEATURES

The Rain Bird R-VAN1318 Adjustable Rotary Nozzle offers several key features:

- **Adjustable Arc:** Easily adjust the spray pattern from 45° to 270° without tools.
- **Adjustable Radius:** Reduce the throw distance by up to 25% without changing the nozzle.
- **Wind-Resistant Streams:** Thick, rotating streams provide excellent wind resistance and minimize misting.
- **Uniform Coverage:** Delivers highly uniform distribution, reducing dry spots and improving water efficiency.
- **Compatibility:** Designed to fit all Rain Bird spray heads and shrub adapters.
- **Removable Filter Screen:** Helps prevent clogging and is easy to clean.

SETUP AND INSTALLATION

Follow these steps to properly install your R-VAN1318 nozzle:

1. **Turn Off Water Supply:** Before beginning, ensure the main water supply to your irrigation system is completely shut off.
2. **Remove Old Nozzle (if applicable):** Unscrew the existing nozzle from the sprinkler head riser.
3. **Clean Riser and Filter:** Inspect the sprinkler riser for any debris. Ensure the R-VAN nozzle's filter screen is clean and properly seated.
4. **Install New Nozzle:** Screw the R-VAN1318 nozzle onto the sprinkler head riser. Hand-tighten only; do not overtighten.

- 5. **Check Alignment:** Ensure the nozzle is securely seated and aligned correctly on the riser.
- 6. **Turn On Water Supply:** Slowly turn the water supply back on and check for leaks.

OPERATION AND ADJUSTMENT

The R-VAN1318 nozzle allows for easy, tool-free adjustment of both arc and radius.

Adjusting the Arc (Spray Pattern)

- 1. **Identify Fixed Left Edge:** The nozzle has a fixed left edge. To locate it, rotate the nozzle's top collar clockwise until it stops. This is the fixed left stop.
- 2. **Adjust Right Edge:** While the water is running, hold the fixed left edge in place. Rotate the top collar counter-clockwise to increase the arc or clockwise to decrease the arc. The arc can be adjusted from 45° to 270°.
- 3. **Fine-Tune:** Make small adjustments until the desired spray pattern is achieved, ensuring water covers the intended area without overspray.

Adjusting the Radius (Throw Distance)

- 1. **Locate Radius Adjustment Ring:** The radius adjustment ring is located just below the arc adjustment collar.
- 2. **Reduce Radius:** To reduce the throw distance, grasp the radius adjustment ring and rotate it clockwise. You can reduce the radius by up to 25%.
- 3. **Increase Radius:** To increase the throw distance, rotate the radius adjustment ring counter-clockwise.
- 4. **Observe Spray:** Adjust while the water is running to accurately gauge the throw distance and ensure proper coverage.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your R-VAN nozzles.

- **Filter Screen Cleaning:** Periodically check and clean the filter screen located at the base of the nozzle. Turn off the water, unscrew the nozzle, remove the screen, rinse it under running water, and reinsert.
- **Debris Removal:** If the nozzle's spray pattern is obstructed, carefully remove any visible debris from the nozzle opening. Do not use sharp objects that could damage the nozzle.
- **Winterization:** In freezing climates, ensure your irrigation system is properly winterized according to local guidelines to prevent damage from freezing water. This typically involves draining the system or blowing out the lines with compressed air.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No water or low flow from nozzle	Clogged filter screen; insufficient water pressure; main water supply off.	Clean filter screen; check system water pressure; ensure main water supply is on.
Uneven spray pattern	Debris in nozzle opening; incorrect arc adjustment.	Carefully remove debris; readjust the arc as described in the "Operation and Adjustment" section.

Problem	Possible Cause	Solution
Water pooling near sprinkler head	Radius set too short; low water pressure.	Increase radius adjustment; check system water pressure.
Nozzle not rotating	Debris inside the nozzle mechanism; very low water pressure.	Clean the nozzle thoroughly; ensure adequate water pressure. If problem persists, consider replacing the nozzle.

SPECIFICATIONS

- **Model:** R-VAN1318
- **Brand:** Rain Bird
- **Arc Adjustment:** 45° to 270°
- **Radius Adjustment:** Up to 25% reduction
- **Compatibility:** Fits all Rain Bird spray heads and shrub adapters
- **Package Dimensions:** 3.5 x 2.99 x 1.18 inches
- **Item Weight:** 1.76 ounces


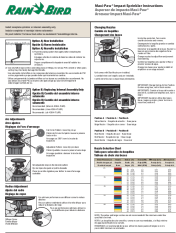
WARRANTY AND SUPPORT





Rain Bird products are manufactured to the highest quality standards. For specific warranty information, please refer to the official Rain Bird website or contact their customer support.

For further assistance, technical support, or to view additional product resources, please visit the official Rain Bird website: www.rainbird.com.



Related Documents - R-VAN1318

	<p>Rain Bird 8005 Rotors Operation Guide and Specifications</p> <p>Comprehensive operation guide for Rain Bird 8005 Rotors, covering full/part circle operation, arc adjustment, nozzle installation, and detailed nozzle performance data. Includes multilingual instructions.</p>
	<p>Rain Bird Maxi-Paw Impact Sprinkler: Installation, Adjustments & Nozzle Guide</p> <p>Detailed instructions for the Rain Bird Maxi-Paw Impact Sprinkler, covering installation (Option A/B), arc and radius adjustments, nozzle selection, and performance charts for optimal irrigation.</p>

 <p>Irrigation Troubleshooting Guide</p> <p>RAIN BIRD</p>	<p>Rain Bird Irrigation System Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for Rain Bird irrigation systems, covering common problems and solutions for spray heads, impact sprinklers, rotors, remote control valves, and controllers. Includes details on electrical testing with a volt ohm-meter and relay operation.</p>
 <p>Rain Bird</p>	<p>Rain Bird 32HE In-Ground Sprinkler System with Click-n-Go Installation Guide</p> <p>This guide provides comprehensive instructions for installing and operating the Rain Bird 32HE In-Ground Sprinkler System with Click-n-Go hose connection. It covers system overview, specifications, installation steps, and troubleshooting.</p>
 <p>Rain Bird</p>	<p>Rain Bird Falcon 6504 Rotor Installation and Operating Guide</p> <p>Comprehensive guide for installing and operating the Rain Bird Falcon 6504 Rotor, covering arc and radius adjustments, and nozzle installation. Includes nozzle performance data.</p>
 <p>RAIN BIRD ESP-TM2 Controller User Manual</p>	<p>Rain Bird ESP-TM2 Controller User Manual: Installation, Programming, and Operation</p> <p>Comprehensive user manual for the Rain Bird ESP-TM2 irrigation controller. Provides detailed instructions on installation, wiring, basic and advanced programming, manual operation, troubleshooting common issues, and safety information for efficient lawn and garden watering.</p>