Rain Bird HE1001

Rain Bird HE-VAN-10 High Efficiency Variable Arc Nozzle Instruction Manual

Model: HE1001

Introduction

The Rain Bird HE-VAN-10 High Efficiency Variable Arc Nozzle is designed to provide precise and efficient watering for your landscape. This nozzle delivers even coverage throughout its spray pattern, helping to eliminate dry spots and promote healthy plant growth. Its design minimizes misting and airborne evaporation by generating large, wind-resistant water droplets, ensuring water is delivered effectively to the intended area.

Key features include:

- Adjustable spray radius from 8 to 10 feet.
- Full arc adjustability from 0 to 360 degrees.
- High efficiency design allows for shorter sprinkler run times.
- Winner of the Irrigation Association 2011 Best New Product Turf/Landscape Category.

Setup and Installation

Proper installation ensures optimal performance of your HE-VAN-10 nozzle. Follow these steps for setup:

1. **Prepare the Sprinkler Head:** Ensure the sprinkler body is clean and free of debris. Flush the system briefly to clear any dirt from the lines before installing the nozzle.
2. **Install the Filter Screen:** Insert the green filter screen (as shown in the image below) into the base of the nozzle. This screen prevents larger particles from clogging the nozzle orifice.
3. **Attach the Nozzle:** Screw the HE-VAN-10 nozzle onto the riser of the sprinkler head. Hand-tighten only; do not overtighten.
4. **Adjust Arc and Radius:**
    - **Arc Adjustment:** Hold the nozzle body and rotate the top blue ring to adjust the spray arc from 0 to 360 degrees. The left edge of the spray pattern is fixed; rotate the top to set the right edge.
    - **Radius Adjustment:** Use a flat-head screwdriver to turn the center screw on the top of the nozzle. Turning clockwise will decrease the spray radius, while turning counter-clockwise will increase it. The radius is adjustable between 8 and 10 feet.



This image displays the Rain Bird HE-VAN-10 nozzle, featuring a blue top and black adjustment ring, alongside its green filter screen. The filter screen is designed to prevent debris from clogging the nozzle.

Operating Instructions

Once installed, the HE-VAN-10 nozzle operates efficiently with standard irrigation systems. Consider the following for optimal operation:

- **Water Pressure:** The nozzle is designed to operate effectively at pressures up to 30 PSI. Ensure your system's water pressure is within an appropriate range for consistent performance.
- **Flow Rate:** The maximum flow rate for this nozzle is approximately 0.5 Gallons Per Minute (GPM). This high-efficiency design contributes to water savings.
- **Run Times:** Due to its high efficiency and even coverage, you may be able to shorten your sprinkler run times by up to 35% compared to conventional nozzles. Monitor your landscape's watering needs and adjust run times accordingly to conserve water.
- **Coverage Overlap:** For uniform watering, ensure there is adequate overlap between adjacent sprinkler patterns. The even distribution of the HE-VAN nozzle helps achieve this.

Maintenance

Regular maintenance helps prolong the life and efficiency of your Rain Bird HE-VAN-10 nozzle.

- **Filter Screen Cleaning:** Periodically remove the nozzle and clean the green filter screen. Debris such as dirt, sand, or plant matter can accumulate and restrict water flow. Rinse the screen under running water to remove any blockages.
- **Nozzle Inspection:** Inspect the nozzle for any physical damage or wear. If the spray pattern appears distorted or uneven after cleaning the filter, the nozzle may need replacement.
- **Winterization:** In regions subject to freezing temperatures, ensure your irrigation system, including nozzles, is properly winterized to prevent damage from ice expansion.

Troubleshooting

If you encounter issues with your HE-VAN-10 nozzle, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Short Spray Radius	Low water pressure. Clogged filter screen or nozzle orifice. Radius adjustment screw set too low.	Verify system water pressure meets requirements (up to 30 PSI). Clean the filter screen and check the nozzle for debris. Turn the center screw counter-clockwise to increase radius.
Uneven Spray Pattern	Partially clogged nozzle. Incorrect arc adjustment. Physical damage to the nozzle.	Clean the nozzle and filter screen thoroughly. Adjust the top blue ring to set the desired arc. Replace the nozzle if physically damaged.
Water Misting Excessively	Excessively high water pressure.	Install a pressure regulator if system pressure consistently exceeds 30 PSI.
Nozzle Breaks Easily	Impact from external objects (e.g., weed wacker).	Exercise caution when performing landscape maintenance around sprinkler heads. Replace damaged nozzle.

Specifications

Brand	Rain Bird
Model Number	HE1001
Spray Radius	Adjustable from 8 to 10 feet
Arc Adjustment	0 to 360 degrees (Variable Arc)
Maximum Pressure	30 PSI (Pound per Square Inch)
Maximum Flow Rate	0.5 GPM (Gallons Per Minute)
Material	Plastic
Color	Green (filter), Blue/Black (nozzle)

Product Dimensions (L x W x H)	1.18 x 1.18 x 1.97 inches
Item Weight	0.32 ounces
UPC	077985030384

Warranty Information

The Rain Bird HE-VAN-10 High Efficiency Variable Arc Nozzle comes with a**Three-Year Trade Warranty** from Rain Bird. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

Support and Contact

For further assistance, technical support, or warranty inquiries regarding your Rain Bird HE-VAN-10 nozzle, please visit the official Rain Bird website or contact their customer service department. Detailed contact information can typically be found on the Rain Bird packaging or their official website.

You can also visit the Rain Bird Store on Amazon for more product information.

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