

## Rain Bird 1804-VAN

# Rain Bird 1800 Professional Series Pop-Up Spray Head Sprinkler Instruction Manual

## 1. INTRODUCTION

The Rain Bird 1800 Professional Series Pop-Up Spray Head Sprinkler is engineered for reliable and efficient irrigation in various landscape environments. This series is recognized for its durability and performance across diverse climates and soil types. Key design elements include a patented co-molded wiper seal that effectively clears debris upon retraction, and a robust stainless steel internal spring ensuring consistent stem retraction and a secure seal over time. This sprinkler offers adjustable spray distance and directional adjustment capabilities, along with tool-free nozzle and screen changes for simplified maintenance.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your Rain Bird 1800 Series sprinkler. Follow these general guidelines for setup:

1. **Prepare the Trench:** Dig a trench to the appropriate depth for your irrigation system's piping. Ensure the trench allows the top of the sprinkler head to be flush with the ground surface when installed.
2. **Connect to Lateral Line:** Thread the sprinkler onto a 1/2-inch male pipe thread fitting on the lateral line. Use Teflon tape or pipe sealant on the threads to ensure a watertight connection.
3. **Positioning:** Ensure the sprinkler body is vertical and the top of the cap is level with the finished grade. Backfill the trench carefully, avoiding debris entering the sprinkler.
4. **Flush the System:** Before installing the nozzle, briefly flush the system to clear any dirt or debris from the pipes.
5. **Install Nozzle:** Insert the desired nozzle into the sprinkler stem. The Rain Bird 1800 Series allows for tool-free nozzle changes.



Image: A Rain Bird 1800 Series pop-up sprinkler head, black in color, shown actively spraying water in a green lawn with colorful flowers in the foreground. The sprinkler is fully extended and operating.

### 3. OPERATING INSTRUCTIONS

The Rain Bird 1800 Series sprinkler is designed for straightforward operation and adjustment:

1. **Water Activation:** The sprinkler will automatically pop up when water pressure is applied to the irrigation zone.
2. **Adjusting Spray Direction:** The directional adjustment feature allows you to manually rotate the top of the sprinkler stem to aim the spray pattern. This can be done by hand without tools.
3. **Adjusting Spray Distance:** If using an adjustable nozzle (e.g., VAN series), the spray distance can be modified by rotating the top collar of the nozzle. Refer to your specific nozzle's instructions for precise adjustment.

### 4. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your sprinkler system:

- **Nozzle and Screen Cleaning:** Periodically inspect the nozzle and filter screen for debris. The nozzle can be removed without tools for cleaning. Rinse the screen under running water to remove any trapped particles.
- **Wiper Seal Inspection:** The patented co-molded wiper seal helps keep debris out. If you notice issues with retraction or sealing, inspect the wiper seal for damage or excessive wear.
- **Winterization:** In regions subject to freezing temperatures, it is essential to properly winterize your irrigation system to prevent damage. Consult a local irrigation professional or your system's main controller manual for specific winterization procedures, which typically involve draining or blowing out the system.

### 5. TROUBLESHOOTING

If you encounter issues with your Rain Bird 1800 Series sprinkler, consider the following common problems and solutions:

- **No Spray or Low Pressure:**
  - Check the water supply to the zone.

- Inspect the nozzle and filter screen for clogs and clean if necessary.
- Verify that the main water valve is fully open.

- **Uneven Spray Pattern:**

- Ensure the nozzle is correctly seated and not damaged.
- Adjust the spray direction and distance as needed.
- Check for adequate water pressure.

- **Sprinkler Not Retracting:**

- Inspect the stem for dirt or debris that may be preventing full retraction. Clean the area around the stem.
- Check the wiper seal for damage or wear.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Rain Bird
Model Number	1804-VAN
Inlet Connection Size	0.5 Inches
Material	Stainless Steel
Style	Adjustable
UPC	354838494013

## 7. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Rain Bird 1800 Professional Series Pop-Up Spray Head Sprinkler, please refer to the official Rain Bird website or contact Rain Bird customer service directly. Keep your purchase receipt for warranty claims.