

GILMOUR 819603-1001

Gilmour 819603-1001 196SPB Impulse Polymer Sled Base Sprinkler User Manual

Model: 819603-1001

1. INTRODUCTION

Thank you for choosing the Gilmour 819603-1001 196SPB Impulse Polymer Sled Base Medium Duty Adjustable Pattern Master Circular Sprinkler. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your new sprinkler. Please read these instructions carefully before use to ensure optimal performance and longevity of your product.

This sprinkler is designed to provide efficient and customizable watering for various lawn shapes, offering precise control over spray patterns and distances.

2. SAFETY INFORMATION

- Always turn off the water supply before connecting, disconnecting, or adjusting the sprinkler.
- Do not leave the sprinkler unattended for extended periods, especially in areas with low water pressure or drainage issues.
- Keep the sprinkler away from electrical outlets and devices.
- Ensure all connections are secure to prevent leaks and water wastage.
- Store the sprinkler indoors during freezing temperatures to prevent damage.

3. PRODUCT FEATURES

The Gilmour 819603-1001 196SPB Sprinkler offers advanced features for efficient lawn watering:

- **Large Area Coverage:** Ideal for large circular lawns, covering up to 5,800 square feet.
- **Wide Spray Diameter:** Achieves an 86-foot diameter circular spray (43-feet spray distance).
- **Adjustable Pattern Master:** Features a flexible ring that customizes spray distance at 12 different points, allowing for precise watering of irregularly shaped areas.
- **Adjustable Collar:** Provides partial- to full-circle coverage.
- **Durable Construction:** Made with a polymer sled base for stability and longevity.

4. SETUP

1. **Unpack the Sprinkler:** Carefully remove all components from the packaging. Ensure all parts are present and undamaged.
2. **Connect to Water Source:** Attach a standard garden hose to the sprinkler's inlet connection. Hand-tighten the connection to ensure it is secure and leak-free. Avoid over-tightening.



Image: The Gilmour 819603-1001 sprinkler connected to a garden hose, ready for use on a lush green lawn.

3. **Position the Sprinkler:** Place the sprinkler on a flat, stable surface within the area you wish to water. The sled base design provides stability, but ensure it is not on an incline where it might shift during operation.

5. OPERATING INSTRUCTIONS

5.1. Adjusting Spray Coverage (Partial to Full Circle)

1. **Set the Arc:** The sprinkler features an adjustable collar for setting the watering arc. Move the two metal clips on the collar to define the desired watering sector. For full-circle coverage, move both clips out of the way.

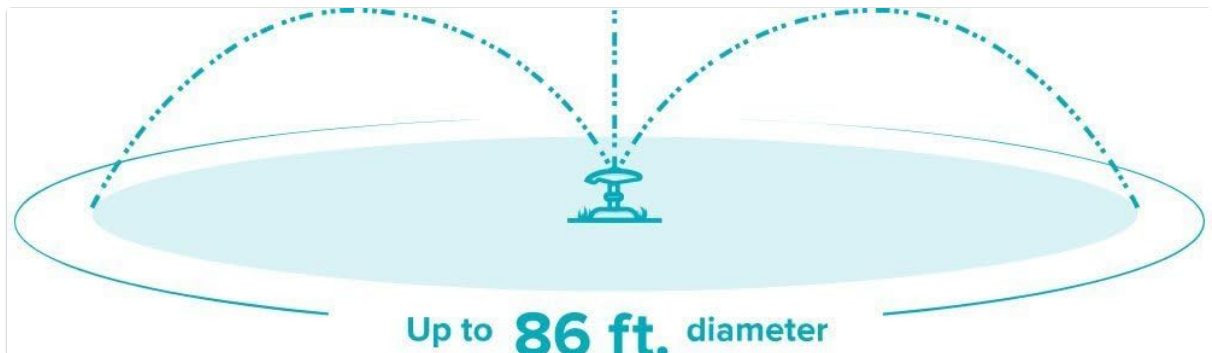


Image: A close-up view of the sprinkler's red adjustment ring and black clips, used to set the desired watering arc from partial to full circle.

5.2. Adjusting Spray Distance (Pattern Master)

1. **Customize Spray Pattern:** The flexible red ring allows you to customize the spray distance at 12 different points around the watering arc. As the sprinkler rotates, you can push up or pull down the small red tabs on the ring to shorten or lengthen the spray at specific points.



Image: A user's hands demonstrate adjusting the red tabs on the sprinkler's pattern master ring, which controls the spray distance at various points in its rotation.

2. **Fine-tuning:** Turn on the water supply slowly and observe the spray pattern. Adjust the red tabs as needed to ensure water is directed only to the desired areas, avoiding sidewalks, driveways, or other non-lawn areas.



Image: The Gilmour sprinkler actively watering a lawn, demonstrating its wide and consistent spray coverage.



Image: The Gilmour sprinkler in operation, illustrating a focused stream of water reaching a longer distance across the lawn.

5.3. Watering Guidelines

For optimal lawn health and water conservation, consider the following:

- **Best Time to Water:** Water between 6 AM and 10 AM when temperatures are cooler and evaporation is minimal. Avoid watering in the middle of a hot, sunny day or late in the evening to prevent water loss and potential lawn diseases.
- **Amount of Water:** Most lawns require about 1 inch of water per week. For fast-draining soils, apply 1/2 inch twice a week. For slow-draining (clay) soils, apply 1 inch once a week.
- **Check Water Depth:** To determine how long your sprinkler takes to deliver 1/2 inch of water, place a straight-sided plastic container (like a tuna can) in the watering area. Run the sprinkler and note the time it takes to collect 1/2 inch of water.

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Video: An instructional video from Gilmour's parent company, The Fiskars Corporation, on "How Much and When to Water Your Lawn," providing general tips for effective lawn watering.



Image: A visual representation of the sprinkler's coverage, showing an 86-foot diameter circular spray pattern.

6. MAINTENANCE

- **Cleaning:** Periodically check the sprinkler nozzle for any debris or mineral buildup that might obstruct the spray. Clean with a soft brush or cloth.
- **Winter Storage:** Before the first frost, disconnect the sprinkler from the hose and drain any remaining water. Store the sprinkler in a dry, protected area where temperatures will not drop below freezing.
- **Inspect Connections:** Regularly inspect hose connections and the sprinkler body for cracks or damage. Replace worn-out washers as needed to prevent leaks.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven spray pattern or reduced distance.	Clogged nozzle or low water pressure.	Clean the nozzle. Check water pressure at the source. Ensure the hose is not kinked.
Water leaks from hose connection.	Loose connection or worn-out washer.	Tighten the hose connection. Replace the rubber washer if damaged.

Problem	Possible Cause	Solution
Sprinkler does not rotate or rotates intermittently.	Low water pressure or internal mechanism obstruction.	Increase water pressure. Check for debris inside the sprinkler head (refer to maintenance).
Sprinkler shifts position during operation.	Lightweight design, strong water force, or uneven ground.	Ensure placement on level ground. Consider staking the sled base down if movement is persistent.

8. SPECIFICATIONS

Feature	Detail
Brand	GILMOUR
Model Number	819603-1001 (196SPB)
Material	Polymer
Color	Light Green
Coverage Area	Up to 5,800 sq. ft.
Spray Diameter	86 feet (43-feet spray distance)
Dimensions (L x W x H)	12 x 10.75 x 6.75 inches
Item Weight	1.5 Pounds
Maximum Pressure	43 PSI
Maximum Flow Rate	1.5 Gallons Per Minute

9. WARRANTY AND SUPPORT

The Gilmour 819603-1001 196SPB Sprinkler comes with a **Lifetime Replacement Policy**. For warranty claims or technical support, please visit the official Gilmour website or contact their customer service department. Official Gilmour Website: [Visit the GILMOUR Store on Amazon](#)