

Gardena 01395-20

Gardena Drip Irrigation Line Micro-Drip-System Instruction Manual

Model: 01395-20

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Gardena Drip Irrigation Line Micro-Drip-System, Model 01395-20. This system is designed for efficient and precise irrigation of plants and lawn areas, particularly when installed below ground for discreet watering.

2. PRODUCT OVERVIEW

The Gardena Drip Irrigation Line is a component of the Micro-Drip-System, engineered to deliver water directly to the root zone of plants. It features integrated drip emitters that ensure uniform water distribution, regardless of pressure variations along the line. This design promotes water conservation and healthy plant growth.



Figure 1: Gardenia Drip Irrigation Line Micro-Drip-System, coiled and packaged.



Figure 2: The Gardenia Drip Irrigation Line in a coiled state, ready for deployment.

Key Features:

- **Even Water Distribution:** Consistent water pressure throughout the line ensures uniform irrigation at every drip point.
- **Water Flow Rate:** Each emitter delivers approximately 54.1 oz/H (1.6 liters per hour).
- **Versatile Installation:** Suitable for both below-ground and above-ground applications.
- **Extension Capability:** Designed for extending existing below-ground drip irrigation systems.

3. SAFETY INFORMATION

Observe all local regulations and safety guidelines when installing and operating irrigation systems. Ensure proper water pressure is maintained within the system to prevent damage. Do not use the drip line with water containing abrasive particles that could clog emitters.

4. SETUP AND INSTALLATION

The Gardena Drip Irrigation Line can be installed either above ground or discreetly below ground. For below-ground installation, the line is not visible and serves to irrigate bordering plants and lawn areas effectively.

Installation Steps:

1. **Plan Layout:** Determine the optimal path for the drip line to ensure all desired plants or lawn areas receive adequate water. Consider the spacing of emitters for even coverage.
2. **Connect to Water Source:** Attach the drip line to your existing Micro-Drip-System main line or water source using appropriate connectors. Ensure all connections are secure to prevent leaks.
3. **Positioning:**
 - **Above Ground:** Lay the drip line directly on the soil surface, securing it with stakes if necessary.
 - **Below Ground:** Dig a shallow trench (typically 5-10 cm deep) along the planned path. Place the drip line in the trench, ensuring emitters face upwards or are positioned to allow water to seep into the soil effectively. Cover the trench with soil.
4. **Extend System (if applicable):** This drip line is designed for extension. Connect additional lengths of drip line or other Micro-Drip-System components as needed.
5. **Flush the System:** Before final operation, temporarily remove end caps and flush the system with water to clear any debris that may have entered during installation.
6. **Test Operation:** Turn on the water supply and inspect the entire system for proper water flow from each emitter and for any leaks.



Figure 3: Illustrative diagram of the drip irrigation line installed below ground, showing water delivery to plant roots.

5. OPERATING INSTRUCTIONS

Once installed, the Gardena Drip Irrigation Line operates by delivering water at a consistent rate through its integrated emitters. The system is designed to maintain uniform water pressure, ensuring that all plants along the line receive the same amount of water.

Operation:

- **Water Supply:** Connect the system to a suitable water supply. For optimal performance, ensure the water pressure is within the recommended range (up to 15 bars maximum).
- **Irrigation Schedule:** Use a timer or manual valve to control the duration and frequency of watering cycles. Adjust based on plant needs, soil type, and weather conditions.
- **Monitoring:** Periodically check the system to ensure all emitters are functioning correctly and delivering water as expected.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your drip irrigation system.

Maintenance Tips:

- **Filter Cleaning:** If your system includes a filter, clean it regularly to prevent sediment buildup and emitter clogging.
- **Emitter Inspection:** Periodically check emitters for clogs. If an emitter is blocked, gently clean it or replace the section of the line if necessary.
- **Winterization:** In regions with freezing temperatures, drain the system completely before winter to prevent damage from freezing water. Disconnect the main water supply and open all end caps to allow water to escape.
- **Line Inspection:** Inspect the drip line for any physical damage, kinks, or leaks. Repair or replace damaged sections promptly.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your drip irrigation system.

Common Issues and Solutions:

- **Uneven Water Flow:**
 - **Cause:** Clogged emitters, insufficient water pressure, or kinks in the line.
 - **Solution:** Check and clean emitters. Ensure adequate water pressure. Inspect the line for kinks and straighten them.
- **Leaks:**
 - **Cause:** Loose connections, damaged line, or excessive water pressure.
 - **Solution:** Tighten all connections. Inspect the line for damage and repair/replace sections. Verify water pressure is within limits.
- **No Water Flow:**
 - **Cause:** Main water supply off, clogged filter, or severe line blockage.
 - **Solution:** Ensure water supply is on. Clean the filter. Check for major blockages in the line.

8. SPECIFICATIONS

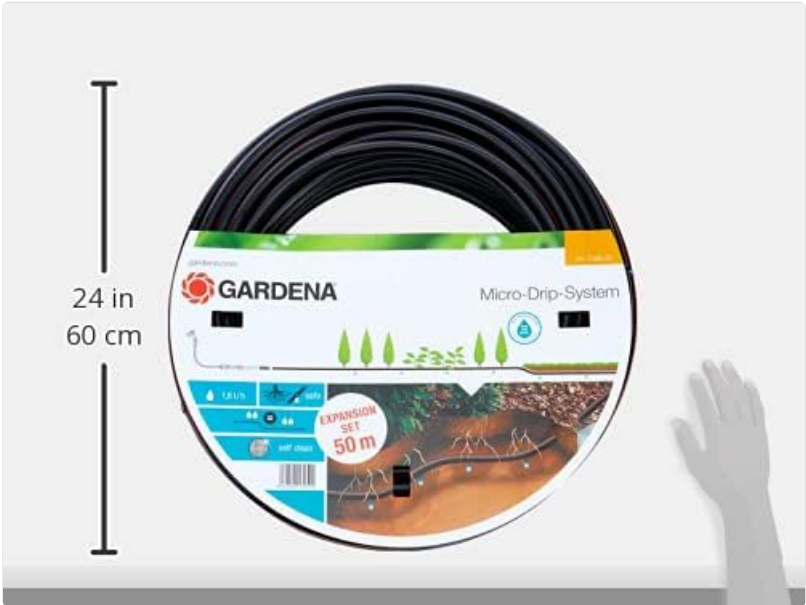


Figure 4: Product dimensions of the Gardena Drip Irrigation Line.

Attribute	Value
Brand	Gardena
Model Number	01395-20
Material	Plastic
Color	Black
Product Dimensions (L x W)	11.81"L x 7.87"W (Coiled)
Item Length	2448 Inches (68 Yards / 50 Meters)
Item Weight	6.28 pounds (2850 Grams)
Maximum Pressure	15 Bars

Nominal Wall Thickness	13.7 millimeters
Outside Diameter	5 Centimeters
Water Flow Rate (per emitter)	54.1 oz/H (1.6 liters/hour)


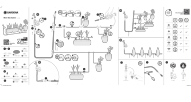


9. WARRANTY INFORMATION



Gardena products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Gardena website. Warranty coverage typically addresses manufacturing defects under normal use.

10. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Gardena customer service or visit their official website. Contact information can usually be found on the product packaging or the manufacturer's website.

Related Documents - 01395-20

 <p>GARDENA Watering Systems 2012</p>	<p>GARDENA Watering Systems 2012: Comprehensive Guide</p> <p>Explore the 2012 range of GARDENA watering systems, including Pipeline, Sprinklersystem, Micro-Drip-System, and Automatic Irrigation Control. Learn about features, components, and planning for efficient garden watering.</p>
	<p>GARDENA Micro-Drip-System Art. 13400 Installation and Maintenance Guide</p> <p>Learn how to install and maintain your GARDENA Micro-Drip-System Art. 13400. This guide provides step-by-step instructions and component details for efficient garden watering.</p>
 <p>GARDENA Easy Art. 1887 Operator's manual Water Control</p>	<p>GARDENA Water Control Easy Operator's Manual</p> <p>Operator's manual for the GARDENA Water Control Easy (Art. 1887), an automatic irrigation controller designed for domestic and hobby gardens. This guide provides comprehensive instructions on setup, function, maintenance, troubleshooting, and safety, ensuring efficient automatic watering for sprinklers and drip systems.</p>
 <p>GARDENA smartsystem Art. 19032 R0 Instructeur de l'utilisateur Programmeur de l'eau smart Irrigation Control</p>	<p>GARDENA smart Irrigation Control Art. 19032 User Manual</p> <p>Comprehensive user manual for the GARDENA smart Irrigation Control (Art. 19032), covering installation, operation, safety, maintenance, troubleshooting, and warranty information for smart garden watering systems.</p>

	<p>GARDENA Micro-Drip-System Master Unit 2000 Installation Guide</p> <p>Installation instructions and technical specifications for the GARDENA Micro-Drip-System Master Unit 2000 (Art. 1354), including component compatibility, assembly hints, and contact information for various regions.</p>
	<p>GARDENA Water Control Easy/Basic Operator's Manual and Irrigation Guide</p> <p>Official operator's manual for GARDENA Water Control Easy (Art. 01896) and Basic (Art. 01898) models. Provides comprehensive instructions on installation, operation, safety, technical data, and troubleshooting for garden irrigation systems.</p>