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Claber 91217

Claber Rainjet 91217 Adjustable In-Line Dripper Instruction Manual

Model: 91217

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1. PRODUCT OVERVIEW

The Claber Rainjet 91217 is an adjustable in-line dripper designed for precise and efficient watering of plants. This device allows users to regulate the water flow from 0 to 6 liters per hour, adapting to the specific needs of different plants and soil types. It is ideal for use in drip irrigation systems, particularly in greenhouses, hanging baskets, and planters, ensuring calibrated watering.

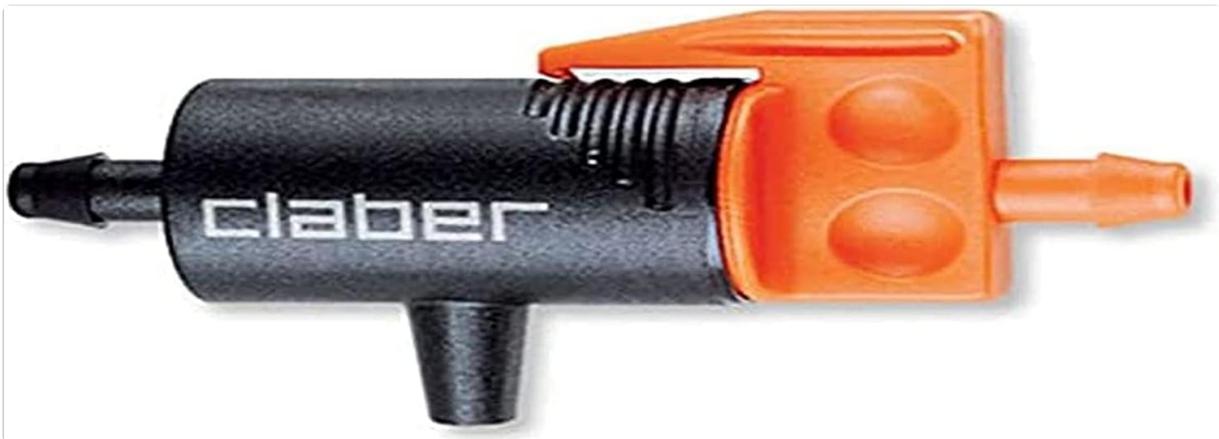


Image 1.1: The Claber Rainjet 91217 adjustable in-line dripper. This image shows the main component of the dripper, featuring its black body and orange adjustment mechanism.

2. SAFETY INFORMATION

- Always ensure water supply is turned off before installing or performing maintenance on the drippers.
- Do not use the drippers with water temperatures exceeding 40°C (104°F).
- Keep small components away from children to prevent choking hazards.
- Ensure all connections are secure to prevent leaks and water wastage.

- Avoid using harsh chemicals or abrasive materials for cleaning, as this may damage the plastic components.

3. PACKAGE CONTENTS

Each package of Claber Rainjet 91217 drippers typically contains:

- Adjustable In-Line Drippers (quantity may vary by pack, commonly 10 units)

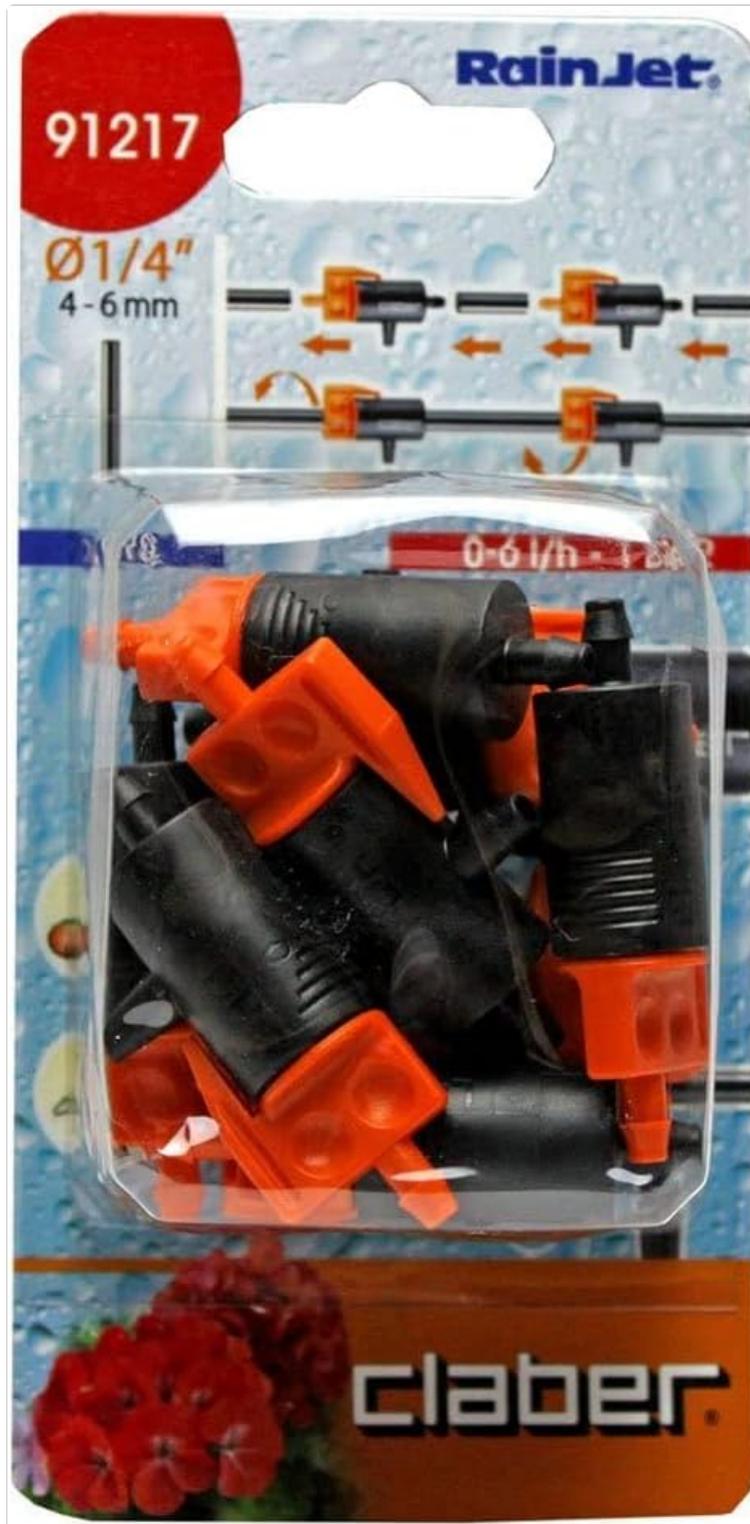


Image 3.1: Packaging of Claber Rainjet 91217 drippers. This image displays a blister pack containing multiple drippers, indicating they are sold in sets.

4. SETUP & INSTALLATION

The Claber Rainjet 91217 drippers are designed for easy integration into a 1/4" (4-6mm) drip irrigation line. Follow these steps for proper installation:

1. **Prepare the Tubing:** Cut your 1/4" (4-6mm) irrigation tubing at the desired location where you want to install the dripper. Ensure the cut is clean and straight.
2. **Insert the Dripper (Step 1):** Take one end of the cut tubing and firmly push it onto the inlet barb of the dripper (the side with the orange adjustment mechanism). Ensure it is fully seated to prevent leaks.



Image 4.1: First step of installation. This diagram illustrates pushing the 1/4" tubing onto one side of the dripper.

3. **Insert the Dripper (Step 2):** Take the other end of the cut tubing and firmly push it onto the outlet barb of the dripper (the side opposite the orange mechanism). Again, ensure a tight fit.

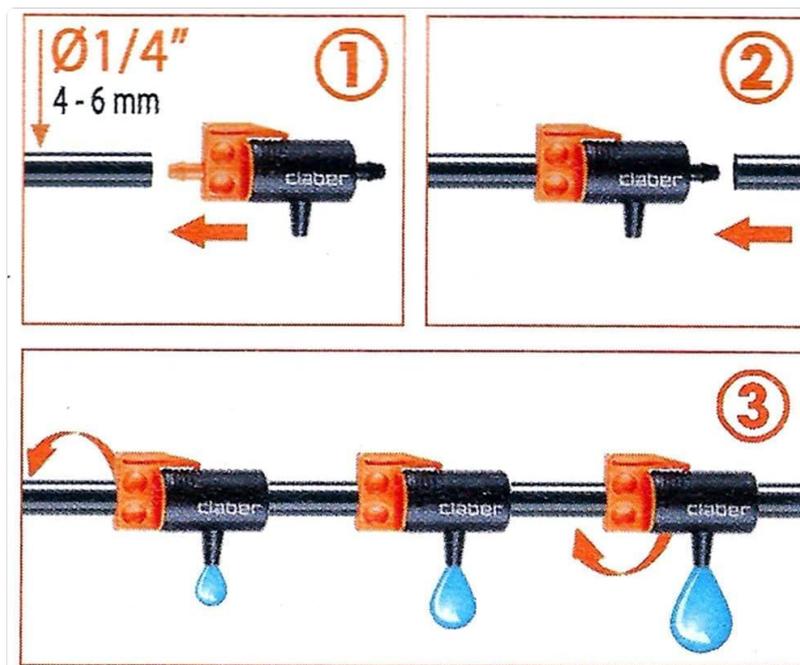


Image 4.2: Second step of installation. This diagram shows the dripper fully integrated into the 1/4" tubing line.

4. **Multiple Drippers:** For longer lines or multiple plants, you can install several drippers in series along the same 1/4" tubing. Space them according to your plant layout and watering needs.



Image 4.3: Multiple drippers in an irrigation line. This illustration demonstrates how several drippers can be connected sequentially along a single tubing run, with water dripping from each.

5. **Secure Placement:** Position the dripper near the base of the plant or in the desired watering zone. You may use support stakes (not included) to hold the tubing and dripper in place if necessary.

5. OPERATING INSTRUCTIONS

The Claber Rainjet 91217 dripper features an adjustable flow rate to customize watering for individual plants. The flow can be adjusted from 0 to 6 liters per hour.

1. **Turn on Water Supply:** Once all drippers are installed, slowly turn on the main water supply to your irrigation system.
2. **Adjust Flow Rate:** Locate the orange adjustment mechanism on the dripper. Gently rotate this part to increase or decrease the water flow.
 - Rotate clockwise to decrease flow or shut off.
 - Rotate counter-clockwise to increase flow.

The dripper offers approximately 10 distinct adjustment modes, allowing for fine-tuning of the water output. Observe the drip rate to achieve the desired watering level for each plant.

3. **Monitor and Fine-Tune:** After initial adjustment, monitor your plants and soil moisture levels over a few days. Re-adjust the drippers as needed to ensure optimal watering, especially considering plant growth, weather conditions, and soil type.

Note: The optimal operating pressure for these drippers is typically around 1 BAR (14.5 PSI) to achieve the specified flow rates.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Claber Rainjet 91217 drippers.

- **Check for Clogs:** Periodically inspect drippers for any blockages caused by sediment, mineral deposits (calcium), or debris. If a dripper is not emitting water or has reduced flow, it may be clogged.
- **Cleaning:** To clean a clogged dripper, turn off the water supply. Gently remove the dripper from the tubing. You can try flushing it with clean water or carefully disassembling the adjustable orange part to clear any obstructions. Reassemble carefully.
- **Inspect Tubing:** Check the 1/4" tubing for kinks, damage, or leaks. Repair or replace damaged sections as needed.

- **Winterization:** In regions with freezing temperatures, it is recommended to drain your irrigation system and remove drippers to prevent damage from freezing water. Store them in a dry, protected area.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No water or very low flow from dripper.	<ul style="list-style-type: none"> ◦ Dripper is clogged. ◦ Water supply is off or pressure is too low. ◦ Tubing is kinked or blocked. ◦ Dripper is adjusted to 'off' position. 	<ul style="list-style-type: none"> ◦ Clean the dripper as described in Maintenance. ◦ Check water supply and system pressure. ◦ Inspect tubing for obstructions or kinks. ◦ Rotate the orange adjustment mechanism counter-clockwise to open.
Water leaking from connections.	<ul style="list-style-type: none"> ◦ Tubing not fully seated on barb. ◦ Damaged tubing or dripper. ◦ Excessive water pressure. 	<ul style="list-style-type: none"> ◦ Push tubing firmly onto the dripper bars. ◦ Inspect and replace damaged components. ◦ Consider installing a pressure reducer if pressure is consistently too high.
Inconsistent flow rate between drippers.	<ul style="list-style-type: none"> ◦ Individual dripper adjustment. ◦ Pressure variations along the line. ◦ Partial clogging in some drippers. 	<ul style="list-style-type: none"> ◦ Individually adjust each dripper to the desired flow. ◦ Ensure consistent tubing diameter and avoid excessively long runs without pressure compensation. ◦ Clean any partially clogged drippers.

8. SPECIFICATIONS

Model	91217
Brand	Claber
Material	Plastic
Color	Black (with orange adjustment)
Tubing Compatibility	1/4" (4-6 mm)
Adjustable Flow Rate	0 to 6 Liters per Hour
Item Dimensions (L x W x H)	Approximately 3.94 x 3.94 x 3.94 inches (individual dripper dimensions may vary slightly)
Item Weight	0.08 Kilograms (for a pack, individual dripper is lighter)

9. WARRANTY & SUPPORT

For specific warranty information and customer support, please refer to the documentation included with

your purchase or visit the official Claber website. Keep your proof of purchase for warranty claims.

Manufacturer: Claber

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For more information, visit www.claber.com