

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [RAINPOINT](#) /

› [RAINPOINT Drip Irrigation Extension Kit DIK-10 User Manual](#)

## RAINPOINT DIK-10

# RAINPOINT Drip Irrigation Extension Kit DIK-10 User Manual

Model: DIK-10

## 1. PRODUCT OVERVIEW

---

The RAINPOINT Drip Irrigation Extension Kit DIK-10 is designed to expand your existing RAINPOINT drip irrigation system, enabling you to water up to 10 additional plants. This kit provides the necessary components to extend your current setup efficiently and effectively.

This extension kit is compatible with various RAINPOINT drip irrigation pump models, including HTP115FRF, HTP149FRF, ITP138, and IT153.

# Compatible with RainPoint Drip Irrigation System

Accessories Kit Pack for Extra **10 Plants**



HTP149FRF



HTP115FRF



IK153



IK138

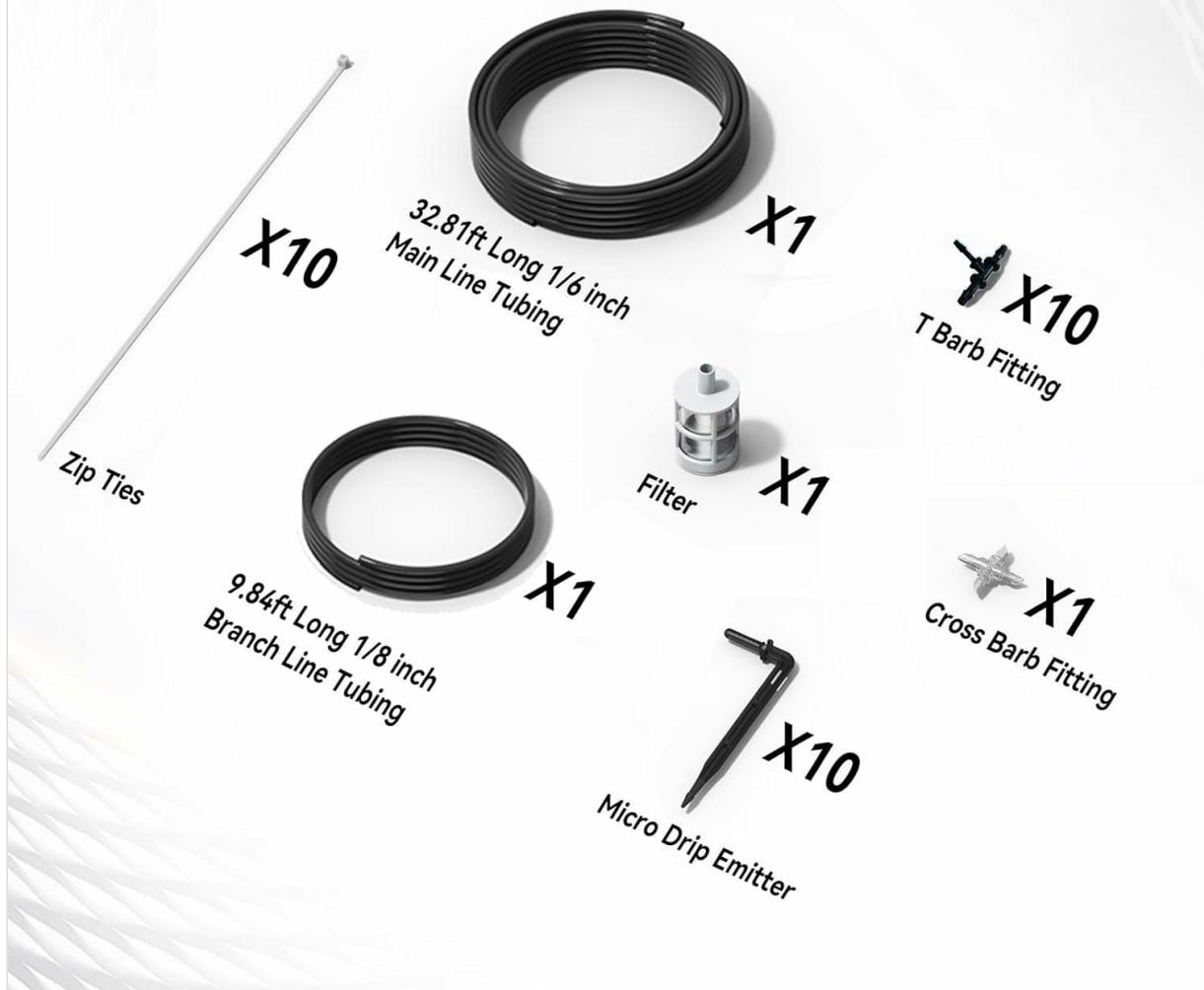
This image illustrates the RAINPOINT Drip Irrigation Extension Kit connected to different RAINPOINT pump models, including HTP149FRF, HTP115FRF, IK153, and IK138, demonstrating its broad compatibility.

## 2. WHAT'S IN THE BOX

Carefully unpack the contents of your RAINPOINT Drip Irrigation Extension Kit. The package should contain the following items:

- 1 x 32.81ft Long 1/6 inch Main Line Tubing
- 1 x 9.84ft Long 1/8 inch Branch Line Tubing
- 1 x Filter
- 10 x Micro Drip Emitters
- 10 x T Barb Fittings (1/6 inch to 1/8 inch)
- 1 x Cross Barb Fitting
- 10 x Zip Ties

# WHAT'S IN THE BOX



This image displays all components included in the RAINPOINT Drip Irrigation Extension Kit: 32.81ft 1/6 inch Main Line Tubing, 9.84ft 1/8 inch Branch Line Tubing, 1 Filter, 10 Micro Drip Emitters, 10 T Barb Fittings, 1 Cross Barb Fitting, and 10 Zip Ties.

## 3. SAFETY INSTRUCTIONS

Please read and follow these safety instructions for proper handling, installation, and usage to prevent leaks, water damage, and potential injury.

- Ensure all connections are secure to prevent leaks.
- Do not overtighten fittings, as this may cause damage.
- Keep tubing away from sharp objects or areas where it might be stepped on or damaged.
- Regularly inspect the system for any signs of wear or damage.
- If installing outdoors, protect components from extreme weather conditions when not in use.

## 4. SETUP GUIDE

Follow these steps to integrate the extension kit with your existing RAINPOINT drip irrigation system:

1. **Plan Your Layout:** Determine the placement of your additional 10 plants and plan the most efficient

path for the main and branch lines. Consider the length of tubing provided.

2. **Connect the Filter:** If your main RAINPOINT pump system does not have an inline filter, connect the provided filter to the pump's outlet. Ensure it is securely attached.
3. **Attach Main Line Tubing:** Connect the 32.81ft long 1/6 inch main line tubing to the outlet of the filter or directly to your existing main line.
4. **Lay Out Main Line:** Route the main line tubing to cover the general area where your new plants are located.
5. **Install T Barb Fittings:** At each point where you want to water a plant, cut the 1/6 inch main line tubing and insert a T Barb Fitting. These fittings allow you to branch off to individual plants.
6. **Connect Branch Line Tubing:** Attach the 9.84ft long 1/8 inch branch line tubing to the smaller outlet of the T Barb Fittings. Cut the branch line tubing to the desired length to reach each plant.
7. **Insert Micro Drip Emitters:** At the end of each 1/8 inch branch line, insert a Micro Drip Emitter. Position the emitter near the base of the plant, ensuring it delivers water directly to the root zone.
8. **Secure Tubing:** Use the provided Zip Ties to secure the tubing in place, preventing kinks and ensuring a neat installation.
9. **Test the System:** Once all connections are made, activate your main RAINPOINT pump system. Check for any leaks at the connections and observe the emitters to ensure consistent water flow to each plant. Adjust emitter positions or tubing as needed.

## Pros of RAINPOINT Drip Irrigation System



**Water Saving**  
70% less water vs. traditional



**Treat Root Scorch**  
Reduce soil temperature during heatwave



**Labor Savings**  
Reduce time and effort in plant care



**Disease Control**  
Keep foliage dry prevents diseases and pests



**Weed Control**  
Cut weeds growth 50% by limiting moisture availability



This diagram explains the design principles of RAINPOINT dripline layouts, highlighting the use of smaller branch lines (1/8 inch) connected to a larger main line (1/6 inch) to optimize water flow, reduce pressure loss, and ensure efficient water delivery to each plant.

## 5. OPERATING INSTRUCTIONS

Once the extension kit is properly installed and connected to your RAINPOINT drip irrigation pump, its operation is integrated with your main system. The extension kit itself does not require separate operational controls.

- **Main Pump Control:** The watering schedule and duration for the extended plants will be governed by the settings on your primary RAINPOINT irrigation pump. Refer to your pump's user manual for programming instructions.
- **Monitor Emitters:** Periodically observe the micro drip emitters to ensure they are delivering water consistently to each plant. Water flow may vary slightly based on the overall system pressure and the number of emitters.
- **Adjust Emitter Placement:** As plants grow or their water needs change, you may need to reposition

the micro drip emitters to ensure water is delivered effectively to the root zone.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drip irrigation extension kit.

- **Filter Cleaning:** The inline filter prevents debris from entering and clogging the system. Regularly inspect the filter for accumulated sediment and clean it by rinsing under running water. The frequency of cleaning depends on your water source quality.
- **Check for Clogs:** Periodically inspect micro drip emitters and tubing for any signs of clogging. If an emitter is not dripping or has reduced flow, gently remove it and clean any blockages.
- **Inspect for Leaks:** Regularly check all tubing, connections, and fittings for any signs of leaks. Tighten loose connections or replace damaged components as necessary to prevent water waste and ensure efficient delivery.
- **Tubing Inspection:** Examine the main and branch line tubing for kinks, cracks, or damage caused by pests or environmental factors. Replace damaged sections promptly.
- **Winterization (if applicable):** In regions with freezing temperatures, it is crucial to drain the entire system before winter to prevent damage from freezing water. Disconnect the main line, remove emitters, and allow all water to drain. Store components in a dry, protected area.

## 7. TROUBLESHOOTING

If you encounter issues with your drip irrigation extension kit, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No water flow to plants	Main pump not operating; Filter clogged; Tubing kinked or blocked; Emitters clogged.	Check main pump power and settings; Clean the filter; Inspect tubing for kinks or blockages; Clean or replace emitters.
Uneven water flow / Some plants not getting enough water	Clogged emitters or branch lines; Insufficient water pressure from main pump; Emitters incorrectly placed.	Clean or replace clogged emitters/branch lines; Ensure main pump is providing adequate pressure; Reposition emitters closer to plant roots.
Leaks at connections	Loose fittings; Damaged tubing or fittings.	Tighten all connections; Inspect tubing and fittings for cracks or damage and replace if necessary.
Tubing detaches from fittings	Insufficient insertion depth; Tubing not compatible; High water pressure.	Ensure tubing is fully inserted onto barbed fittings; Verify tubing size compatibility; If pressure is too high, consider a pressure reducer (if not already part of your main system).

## 8. PRODUCT SPECIFICATIONS

<b>Brand</b>	RAINPOINT
<b>Model Number</b>	DIK-10

<b>Size</b>	10-Plant Drip Irrigation Kit Expansion
<b>Material</b>	Plastic
<b>Item Weight</b>	0.36 Kilograms
<b>Power Source</b>	Water Pressure-driven (from main pump)
<b>Main Line Tubing Length</b>	32.81 feet (1/6 inch)
<b>Branch Line Tubing Length</b>	9.84 feet (1/8 inch)
<b>Number of Pieces</b>	25 (including tubing, filter, emitters, fittings, zip ties)
<b>Fit Type</b>	Barbed Fittings