

Watering Kit Installation Guide

Take the guesswork out of drip watering
and keep your plants healthy.



**FLOWERS, SHRUBS, &
TREES WATERING KIT**



**GROUND COVER & FLOWER
BEDS WATERING KIT**



**CONTAINERS & HANGING
BASKETS WATERING KIT**



**VEGETABLE GARDENS
WATERING KIT**



**RAISED GARDEN BEDS
WATERING KIT**

Raindrip Kits

It's easy to customize your system to fit your landscape.
For outdoor use only.

1
YEAR

Limited Warranty



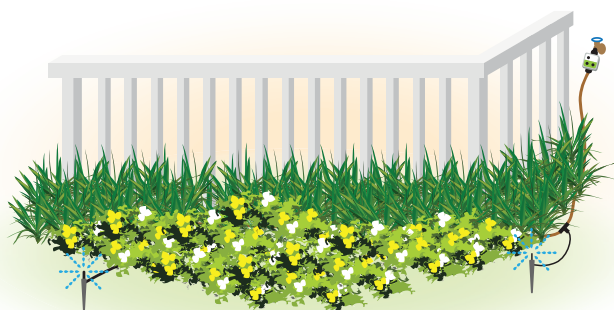
FLOWERS, SHRUBS, & TREES WATERING KIT



Part No. R571DP

Part No. SDFSTH1P - timer included

Includes everything you need to water your flowers, shrubs, and trees without any additional tools needed!



GROUND COVER & FLOWER BEDS WATERING KIT



Part No. SDGCBHP - timer included

Includes adjustable sprinkler heads that are ideal for watering your ground cover and flower beds and use 50% less water than traditional sprinklers.



CONTAINERS & HANGING BASKETS WATERING KIT



Part No. R561DP

Part No. R560DP - timer included

Completely customizable kit to water your potted plants, hanging baskets, or planter boxes.



Smart Watering Made Easy®

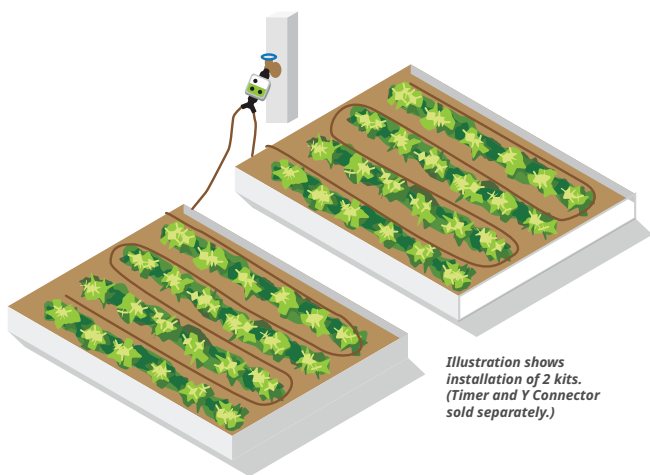
Raindrip Kits

cont.

It's easy to customize your system to fit your landscape.
For outdoor use only.

1
YEAR

Limited Warranty



*Illustration shows
installation of 2 kits.
(Timer and Y Connector
sold separately.)*

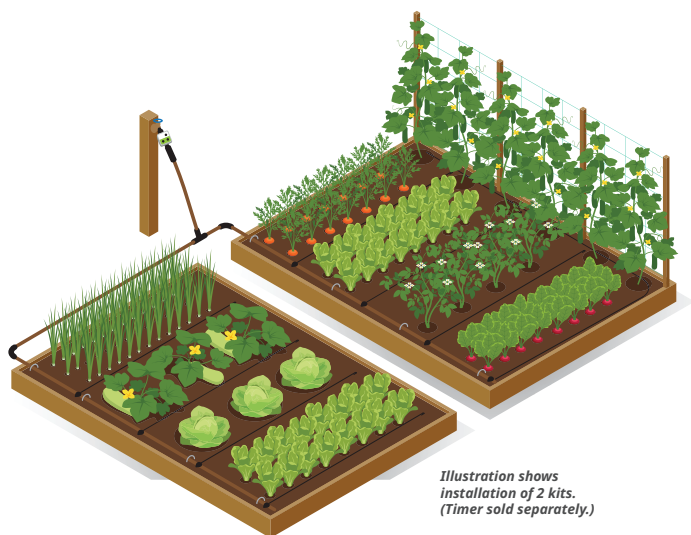


VEGETABLE GARDENS WATERING KIT



Part No. R567DT

Includes 1/4 in. Micro dripline for custom placement that results in better growth and higher yields while using less water than traditional methods.



*Illustration shows
installation of 2 kits.
(Timer sold separately.)*



RAISED GARDEN BEDS WATERING KIT



Part No. R581DT

Includes fittings and supply tubing to create a custom watering layout for 1/4 in. Micro dripline.

Watering Kit for Flowers, Shrubs, & Trees

Part No. R571DP

Part No. SDFSTH1P - timer included

Get Started!

Installation is quick, easy, and tool-free.
We've organized our parts by step.
Grab bag number one to get started.

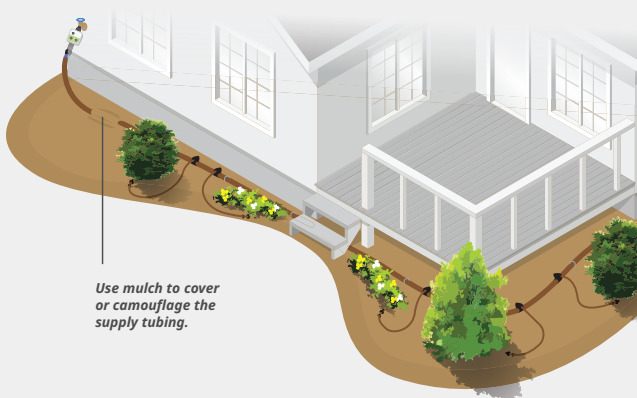
Explore Our Video Library

youtube.com/user/raindripinc

The System

Use your new system to water
flowers, shrubs, and trees.*

*Not for lawn use.



Step 1

Connect the timer to
your outdoor faucet
and connect the
pressure regulator with
filter to your timer.

- 1 - Automatic Water Timer
- 1 - Pressure Regulator with Filter
- 1 - Y Connector

Step 2

Connect the supply
tubing to the pressure
regulator with filter and
layout in the area you
want to water.

- 1 - Universal Tee
- 1 - Universal End Plug
- 1 - 50 ft. Preassembled Supply Tubing
- 5 - Wire Stakes
- 10 - Goof Plugs

Step 3

Attach preassembled
feeder lines to supply
tubing and position near
plants. Secure tubing
with wire stakes.

- 10 - Support Stakes
- 10 - Preassembled 3 ft. Feeder
Lines with Clamp N' Pierce®
Connectors
- 2 - GPH Drippers

After your system is installed,
unscrew the end cap and turn
on the system to flush out any
dirt that may be in the line.
Replace end plug before
beginning normal watering.

Expand

Connect another roll of supply
tubing to expand your system.
Unscrew the end cap and install
a hose threaded adapter to
start a new section.

Outdoor
Faucet



Use the Y Connector
to convert your faucet into
two separate outlets.

← Timer

Included in Kit No. SDFSTH1P only
Uses 2 AA Alkaline Batteries (not included)
See timer page for more information

Additional instructions and videos
for programming your timer can be
found on raindrip.com under
Resources & Videos.

← Pressure Regulator
with Filter

Hose Thread
Connections



← 50 ft. Supply Tubing

Fill your supply tubing with water
(also known as pressurizing)
before installing your feeder lines.



Clamp N' Pierce
connection

← Feeder Lines

Wire Stakes →

Use the plastic support
stake to position and
secure each dripper.

Keep things flowing smoothly:
Use no more than 200 ft. of supply
tubing per faucet connection.
Add the total GPH of all emitters per
faucet connection, and limit the
total to 150 GPH.

Automatic Watering Kit for Ground Cover & Flower Beds

Part No. SDGCBHP - timer included

Get Started!

Installation is quick, easy, and tool-free. We've organized our parts by step. Grab bag number one to get started.

Explore Our Video Library

youtube.com/user/raindripinc

The System

Use your new system to water ground cover and flower beds*

*Not for lawn use.

Use mulch to cover or camouflage the supply tubing.

TOOL-FREE
1-2-3
easy

Outdoor
Faucet



Use the Y Connector to convert your faucet into two separate outlets.

Timer

Uses 2 AA Alkaline Batteries (not included)

Additional instructions and videos for programming your timer can be found on raindrip.com under Resources & Videos.

Step 1

Connect the timer to your outdoor faucet and connect the pressure regulator with filter to your timer.

- 1 - Automatic Water Timer
- 1 - Pressure Regulator with Filter
- 1 - Y Connector

Pressure Regulator with Filter

Step 2

Connect the supply tubing to the pressure regulator with filter and lay out in the area you want to water.

- 1 - Universal Tee
- 1 - Universal End Plug
- 1 - 50 ft. Preassembled Supply Tubing
- 5 - Wire Stakes
- 10 - Goof Plugs

Hose Thread Connections



50 ft. Supply Tubing

Fill your supply tubing with water (also known as pressurizing) before installing your feeder lines.

Step 3

Attach feeder lines to supply tubing and position near plants. Secure supply tubing with wire stakes.

- 10 - Preassembled 2 ft. Feeder Lines with Clamp N Pierce® Connectors, 1/2 Circle Adjustable Sprayers, up to 6.5 ft. spray radius. 24 gallon per hour max.



Clamp N' Pierce connection

Feeder Lines

Wire Stakes

After your system is installed, unscrew the end cap and turn on the system to flush out any dirt that may be in the line. Replace end plug before beginning normal watering.

Expand

Connect another roll of supply tubing to expand your system. Unscrew the end cap and install a hose threaded adapter to start a new section.

Keep things flowing smoothly: Use no more than 200 ft. of supply tubing per faucet connection. Add the total GPH of all emitters per faucet connection, and limit the total to 150 GPH.

Watering Kit for Containers & Hanging Baskets

Part No. R561DP

Part No. R560DP - timer included

Get Started!

Installation is quick, easy, and tool-free. We've organized our parts by step. Grab bag number one to get started.

Explore Our Video Library

youtube.com/user/raindripinc

The System

Use your new system to water plants in containers and planters.



TOOL-FREE

1-2-3
easy

Step 1

Connect the timer to your outdoor faucet and connect the pressure regulator with filter to your timer.

1 - Automatic Water Timer
1 - Pressure Regulator with Filter



Use a Y Connector (sold separately) to convert your faucet into 2 systems.

-OR-

Attach the Y Connector to the bottom of the timer to install another kit.

Step 2

Connect the supply line to the timer or pressure regulator and start measuring out where you will need to cut your tubing to water each container.

Use scissors or box cutters to cut supply tubing. After cutting use a tee to rejoin the supply tubing so you can water another container.

2 - Barbed Connectors
2 - Elbows
20 - Tees
1 - End Clamp
1 - 75 ft. Preassembled 1/4 in. Supply Tubing
10 - Nails and Clamps

Use the elbows to turn a 90 degree corner.

Use the connectors to join cut lengths of supply tubing.

Step 3

Connect the barbed end of the dripper to your supply line, and stake near the base of your plant.

20 - 1/2 GPH Drippers
20 - Stakes for Drippers

Outdoor
Faucet



Timer

Included in Kit No. R560DP only
Uses 2 AA Alkaline Batteries (not included)
See timer page for more information

Additional instructions and videos for programming your timer can be found on raindrip.com under Resources & Videos.

Pressure Regulator
with Filter



75 ft. Supply Tubing

Tee

Container
Plant Dripper



Keep things flowing smoothly: Use no more than 75 ft. of Micro tubing per faucet connection. Add the total GPH of all emitters per faucet connection, and limit the total to 15 GPH.

End Clamp

Fold the end of supply tubing and insert end clamp to close the line.

Watering Kit for Vegetable Garden

Part No. R567DT

Get Started!

Installation is quick, easy, and tool-free. We've organized our parts by step. Grab bag number one to get started.

Explore Our Video Library

youtube.com/user/raindripinc

The System

Use your new system to water vegetables.*

*Not for lawn use.

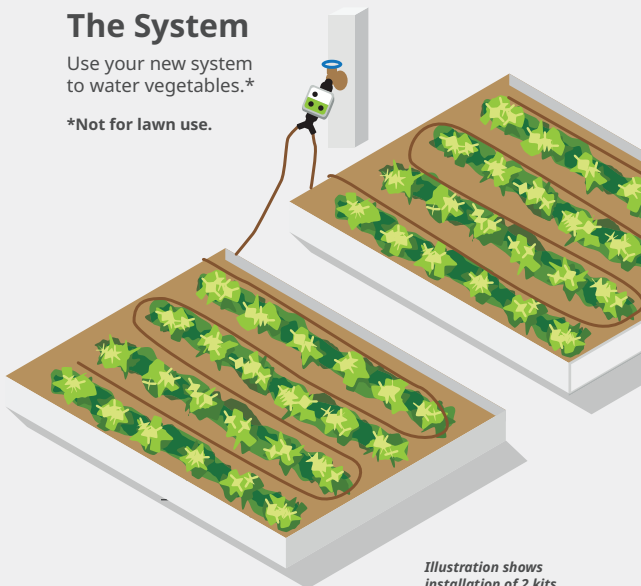


Illustration shows installation of 2 kits. (Timer and "Y" Connector sold separately.)



Step 1

Connect the timer to your outdoor faucet.



Use a Y Connector (sold separately) to convert your faucet into 2 systems.

-OR-

Attach the Y Connector to the bottom of the timer to install another kit.

Step 2

Lay out the dripline in the area you want to water.

Precision dripline with 12 in. spacing allows for even watering. Just lay this in the rows of your garden and you're set!

1 - 50 ft. Preassembled 1/4 in. Micro Dripline (1/2 GPH and 12 in. spacing)

*Swivel adapter and end plug attached.

Step 3

Secure dripline with wire stakes.

10 - Wire Stakes

Outdoor Faucet



Timer
(sold separately - see timer page for more information)

Additional instructions and videos for programming your timer can be found on raindrip.com under Resources & Videos.



Hose Thread Connections

Add 15 ft. of blank tubing between adapter and first dripper to span distance from faucet to garden area.

1/2 GPH drippers spaced every 1/2 in.

50 ft. 1/4 in. Micro dripline, 1/2 GPH

Keep things flowing smoothly: Use no more than 50 ft. of Micro drip line per faucet connection. Add the total GPH of all emitters per faucet connection and limit the total to 15 GPH.

End Plug



Watering Kit for Raised Garden Beds

Part No. R581DT

Get Started!

Installation is quick, easy, and tool-free.
We've organized our parts by step.
Grab bag number one to get started.

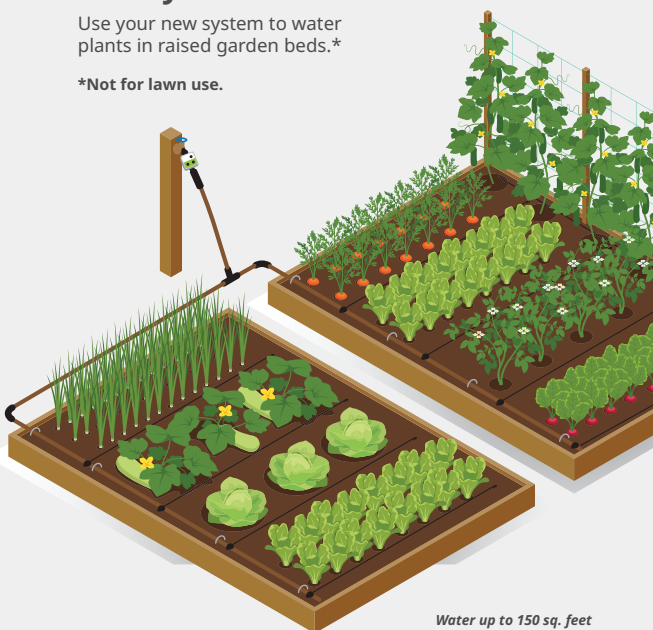
Explore Our Video Library

youtube.com/user/raindripinc

The System

Use your new system to water
plants in raised garden beds.*

*Not for lawn use.



Water up to 150 sq. feet
or up to 2 garden beds.
(Timer sold separately.)

TOOL-FREE

1-2-3
easy

Outdoor
Faucet



← Timer
(Sold separately)

Additional Instructions and videos
for programming your timer can be
found on raindrip.com

Step 1

Connect the timer to
your outdoor faucet
and connect the
pressure regulator
with filter to your timer.

1 - Pressure Regulator with Filter



← Pressure Regulator
with Filter

Step 2

Connect the supply line to
the pressure regulator
with filter and layout in the
area you want to water.

1 - 50 ft. Supply Tubing with FHT Adapter
5 - 6 in. Galvanized Stakes
2 - Figure-8 End Closures



Hose Thread
Connections



← 50 ft. Supply Tubing

Step 3

Use elbows and tees to
branch off and turn tubing.

2 - Compression Tees
2 - Compression Elbows



Fill your supply tubing with water
(also known as pressurizing) before
installing your feeder lines.



Clamp N' Pierce
connection

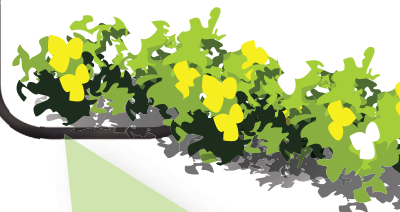
← Dripline

Step 4

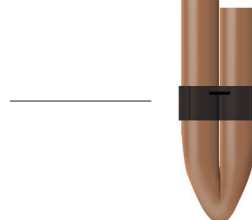
Attach dripline to supply
tubing with Clamp N'
Pierce® connector.

8 - Clamp N Pierce® Connectors
1 - 50 ft. Dripline
16 - 3 in. Galvanized Stakes
8 - Micro End Closures

Wire Stakes →



Use the figure-8 end
closure to close off
your supply tubing.



Timers



Never forget to water again!

Automate your drip system by adding a timer for worry-free watering. Raindrip watering kits are designed to work with any Raindrip timer.



Choose From:



Automatic Water Timer, Analog

Model: R675CT

- Easy to program with simple interface
- Set frequency and run times with control dials
- Connects to outdoor faucet or hose bibb



Automatic Water Timer, Digital

Model: R775CT

- LCD backlit screen is easy to read, day or night
- Schedule and save run times, frequency, duration, and more
- Connects to outdoor faucet or hose bibb



Smart Water Timer with Wi-Fi Gateway, App Enabled

Model: R875CT

- Control watering anytime, and from anywhere from your smartphone
- Program from your smartphone using the free Raindrip app
- Weather-based function adjusts watering based on weather data
- Integrated flow meter tracks water usage
- Connects to outdoor faucet or hose bibb

Customize Your Layout



Water Outdoor Plants Anywhere!

It's easy to customize your system to fit your landscape.

Underground (optional)

Supply tubing can be buried underground or run underneath a concrete pathway to keep it out of sight.

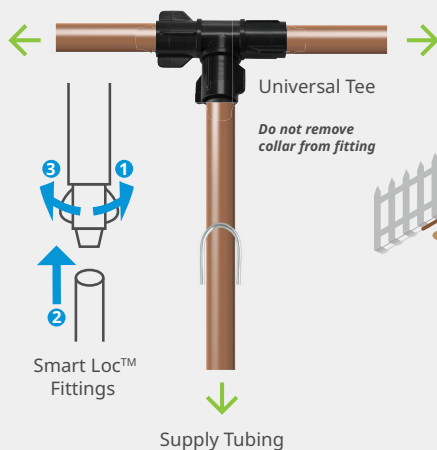
Direction and Distance

Branch supply tubing in opposite directions with a universal tee fitting and extend for long distances with extra supply tubing.



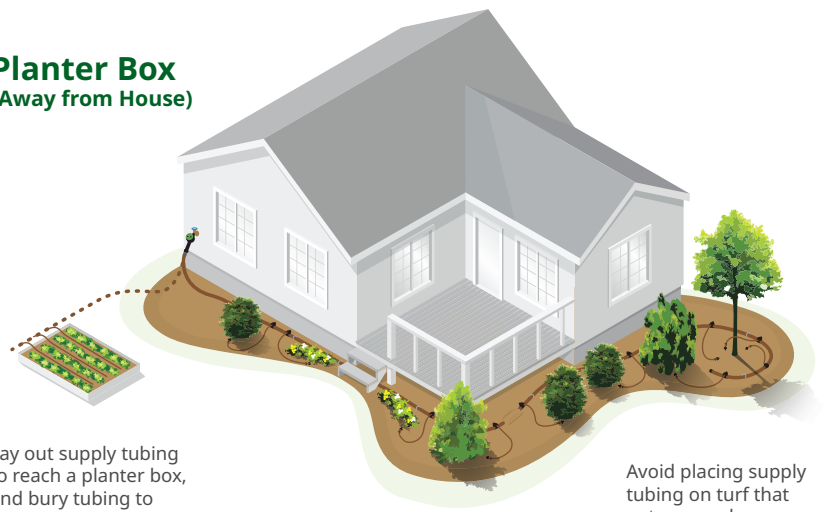
Explore Our Video Library

youtube.com/user/raindripinc



1. Expose the tapered end of the adapter by rotating the collar all the way up the thread.
2. Applying pressure, insert tubing onto tapered end.
3. Twist collar over the tubing to secure in place.

Planter Box (Away from House)



Lay out supply tubing to reach a planter box, and bury tubing to keep it out of sight.

Avoid placing supply tubing on turf that gets mowed.

Under Concrete Pathway

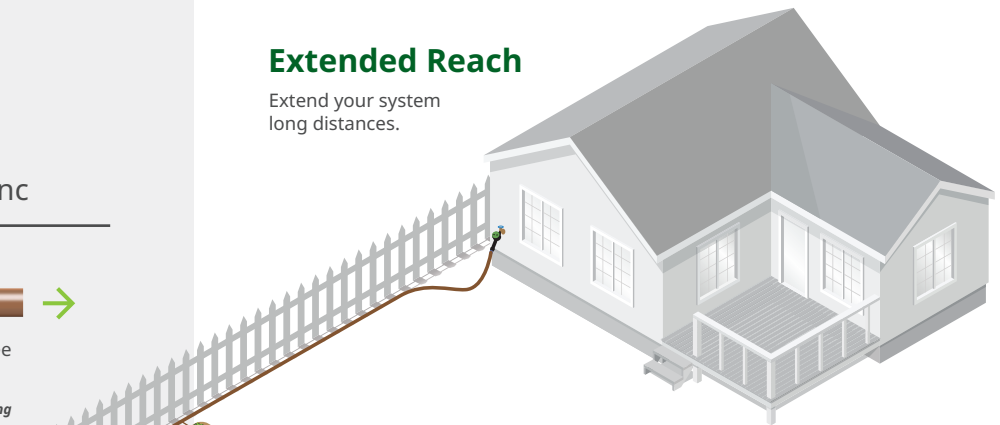
Dig underneath concrete pathway to run supply tubing.



For grassy areas that are mowed, you can bury your supply tubing.

Extended Reach

Extend your system long distances.



Multi-directional

Branch supply tubing in multiple directions.



Expansion & Customization



FLOWERS, SHRUBS, & TREES KIT

1



R675CT Timer
46300UB Pressure Regulator with Filter
61600UB Y Connector

2



S5500UB Universal Tee
S5800UB Universal End Plug
SDT50P 50 ft. Supply Tubing
397025B Wire Stakes (25)
R646010B Goof Plugs (10)

3



381010B Support Stakes (10)
SDFLGT Preassembled 4 ft. Feeder Lines, 2 GPH



GROUND COVER & FLOWER BEDS KIT

1



R675CT Timer
46300UB Pressure Regulator with Filter
61600UB Y Connector

2



S5500UB Universal Tee
S5800UB Universal End Plug
SDT50P 50 ft. Supply Tubing
397025B Wire Stakes (25)
R646010B Goof Plugs (10)

3



172CPUB Preassembled 2 ft. Feeder Lines, 1/2 Circle up to 6 1/2 ft. spray radius, 0-24 GPH



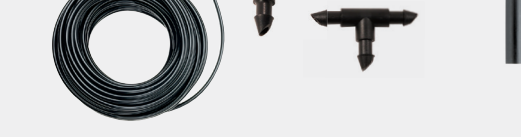
CONTAINERS & HANGING BASKETS KIT

1



R675CT Timer
46300UB Pressure Regulator with Filter
61600UB Y Connector

2



016005P 50 ft. Supply Tubing
307010B Tees (10)
314010B Elbows (10)
312010B Connectors (10)
302010B End Clamp

3



380050B Support Stakes (10)
PC2010B 1/2 GPH Drippers (10)



VEGETABLE GARDENS KIT

1 & 2



R280DT 50 ft. Dripline with Fittings
325G00UB FHT x Micro Adapter (1)
302010B Micro End Cap (10)

3



396010B 3 in. Galvanized Stakes (10)



RAISED GARDEN BEDS KIT

1



46300UB Pressure Regulator with Filter

2



SDT50P 50 ft. Supply Tubing
397015B 6 in. Galvanized Stakes (15)
301010B Micro End Closures (10)
299005B Figure-8 End Closures (5)

3



348G00UB ... Compression Tees (1)
368G00UB ... Compression Elbows (1)

4



CMP05B Clamp N' Pierce® Connectors (5)
R280DT 50 ft. Dripline
396010B3... 3 in. Galvanized Stakes (10)

Watering Tips

This guide is an aid to help you get started.

GPH = Gallons Per Hour

Scheduling

To get started programming your automatic timer, consider two of the most popular schedules:

Once a Day
Every Day

or

Once Every
2 Days

Your specific watering schedule will depend on plant type, soil type, climate, and type of watering device.

- ▶ Watch for wilting plants due to under- or over-watering
- ▶ Check for dry or wet soil about 3 inches below the surface
- ▶ Adjust your watering schedule as needed to keep your plants looking vibrant and healthy
- ▶ Clean the filter in the pressure regulator at the beginning of every season

Emitter Selection

FLOWERS, SHRUBS, & TREES WATERING KIT



2 GPH Preassembled Feeder Line

Trees

Shorter than 15 ft.

3 Feeder Lines

Taller than 15 ft.

5 Feeder Lines



Shrubs

Shorter than 4 ft.

1 Feeder Line

Taller than 4 ft.

2 Feeder Lines



Flowers and Ground Cover

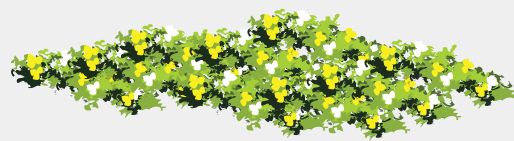
1 Feeder Line spaced every 12-18 in.



GROUND COVER & FLOWER BEDS WATERING KIT



Adjustable Sprayer, Half-circle Pattern, up to 6-1/2 in. Spray Radius, 0-24 GPH



Ground Cover & Flower Beds

1 Feeder line with sprayer spaced every 8-10 ft.

CONTAINERS & HANGING BASKETS WATERING KIT



1/2 GPH Dripper

Containers

Smaller than 1 ft. wide

1 Dripper

Larger than 1 ft. wide

2+ Drippers



Planter Boxes

1 Dripper spaced every 12-18 in.



Watering Tips

cont.

This guide is an aid to help you get started.

GPH = Gallons Per Hour

VEGETABLE GARDENS WATERING KIT

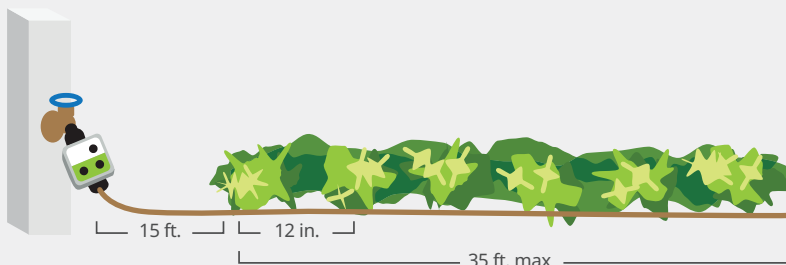


1/4 in. Micro dripline with 1/2 GPH non-pressure-compensating emitters, 12 in. spacing

Vegetable Gardens

Plant every 12 in.

1 Covers 35 ft.



RAISED GARDEN BEDS WATERING KIT



1/4 in. Micro dripline with 1/2 GPH non-pressure-compensating emitters, 12 in. spacing

Raised Garden Beds

Plant every 12 in.

1 Covers 150 ft.

2 Garden Beds

1 Dripper every 12 in. - 50 ft. length



Find what you need at raindrip.com

Have questions?

Get answers to frequently asked questions

Interested in more?

See additional products and solutions

Ready to buy?

Buy products online or find a store near you at raindrip.com/where-to-buy



Smart Watering Made Easy®



Register Your
Product Online!

Visit raindrip.com

Contact Us!

You can find step-by-step installation videos, tips on drip irrigation, and more information about our water-saving products on our website. Feel free to email or just give us a call!

email: CustomerService@raindrip.com

phone: 888-825-4716

web: raindrip.com

NDS
851 N. Harvard Ave.
Lindsay, CA 93247

© 2025 Raindrip
A Division of NDS