



INSTALLATION GUIDE

The best way to water plants, trees, shrubs, hanging baskets, and gardens

FREE



UP TO **70%**
WATER SAVINGS



WHAT IS MICRO IRRIGATION?

A Micro-Irrigation system is a watering system designed to apply water to designated areas, such as gardens, flower beds, container plants, trees and ground cover

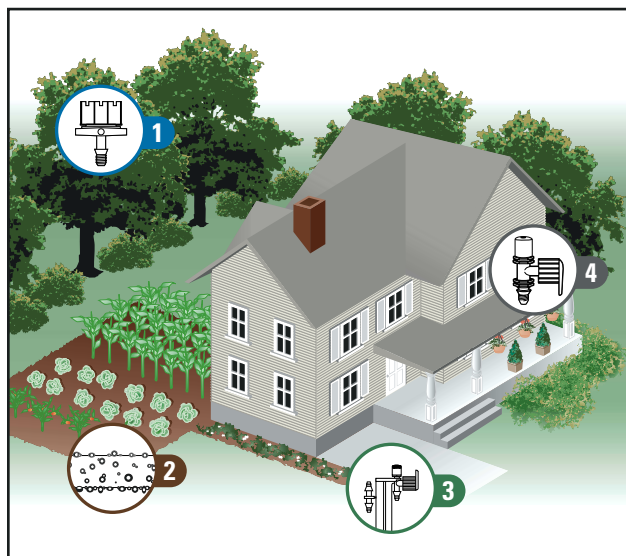
WHY INSTALL A MICRO-IRRIGATION SYSTEM?

- Saves Water—Water is delivered directly to the roots
- Saves Money—Up to a 70% reduction in water waste, resulting in lower water bills
- Saves Time—Replaces hand watering
- Healthier Plants—Plants flourish when receiving the precise amount of water
- Less Yard Maintenance—Delivers water to the plants not to weeds

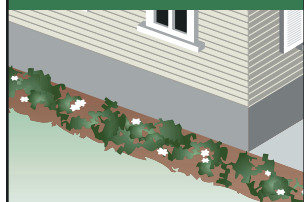


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BEFORE YOU BEGIN
SECTION 1
IDENTIFY PLANTS WITH SIMILAR WATERING REQUIREMENTS

1-TREES & SHRUBS

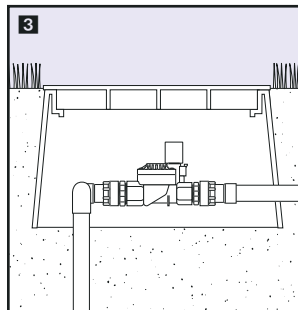
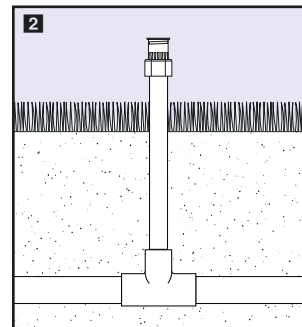
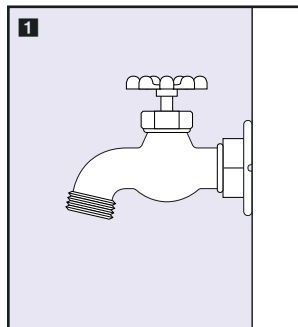
2-GARDEN

3-GROUND COVER

4-POTTED PLANTS

WATER SOURCES
SECTION 2
WATER SOURCE AND PRESSURE

Water Source—Micro-Irrigation Systems can be connected to either of the following water sources. Select the best option for you.

- 1 Outside Hose Faucet**
- 2 Existing Underground Sprinkler System**
- 3 Direct Connection to an Irrigation Valve**



Water Pressure—Obtain a water pressure gauge (available at most home improvement stores) and attach it to your source of water. Drip irrigation systems are designed to operate between 25–80 psi (high water pressure may cause system failure).

PROCEED TO THE APPROPRIATE SECTION

- 1. For Hose Faucet Connection**—proceed to the next page
- 2. For Connection to Existing Underground Sprinkler System (Retrofit)**—proceed to page 14
- 3. For Connection to a Designated Irrigation Valve**—proceed to page 22

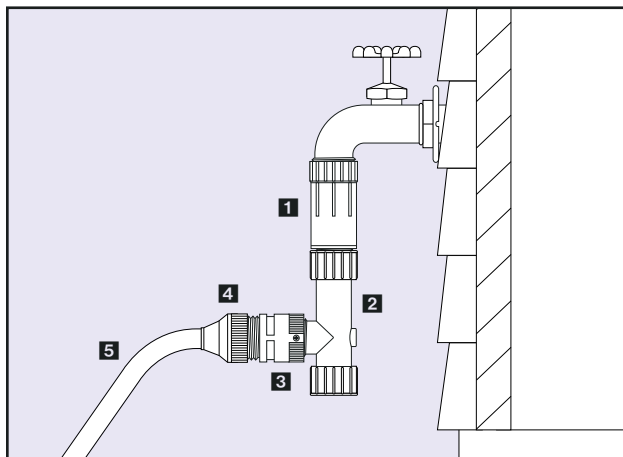


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CONNECTING TO A HOSE FAUCET

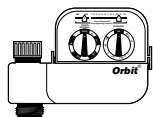
SECTION 3

CONNECTING TO AN OUTSIDE HOSE FAUCET



An outside hose faucet is one of the simplest ways to connect your micro-irrigation system.

TIP—For complete hands-free watering, install an Orbit® Electronic Hose Timer to the hose faucet prior to connecting your micro-watering system.



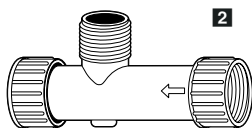
The following items are recommended for your hose faucet micro-watering system:

1 Pressure Regulator

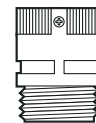
Regulates water pressure to 25 – 45 psi (part # 61060, 61063, 61260 or 61435)

**2 Filter**

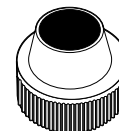
Prevents sediment from entering and clogging the micro-watering system. (part # 61009, 61209D, or 61062)

**3 Anti-Siphon**

Prevents contaminants from entering your drinking water supply. (Required in most areas). (part # 61056 or 61256)

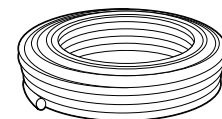
**4 1/2" Inch Faucet Adapter**

Used to connect 1/2" Distribution/Supply Tube to a faucet or hose. (part # 61044 or 61244)

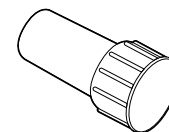
**5 Distribution/Supply Tube**

The main supply line that feeds water to the micro-irrigation system. Distribution tube may be installed either above or below ground. (part # 61079, 61080 or 61081)

TIP—To make installation easier, allow the 1/2" Distribution/Supply tube to sit in the sun and soften prior to installation.

**6 Tube End Cap**

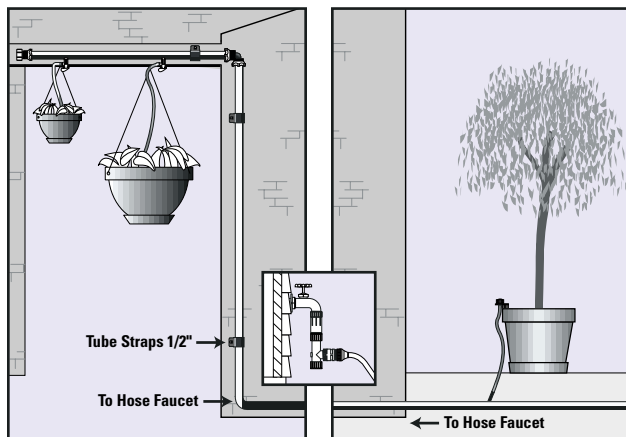
Plugs the end of the 1/2" Distribution/Supply Tube and serves as a drain for the micro-watering system. (part # 61067)



Important: Check local code requirements prior to installing any watering system.

THE NEXT SECTION CONTAINS THE THREE MOST COMMON USES FOR MICRO-WATERING.

1. Potted/Hanging plants—page 8
 2. Ground Cover and Flower Beds—page 10
 3. Large Plants, Small Trees & Shrubs—page 12
- Select the application that best matches your needs.


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COMMON HOSE-FAUCET PROJECTS
SECTION 4
POTTED / HANGING PLANTS


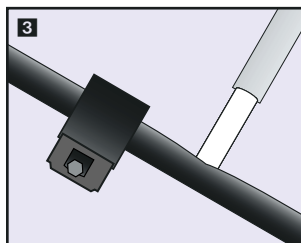
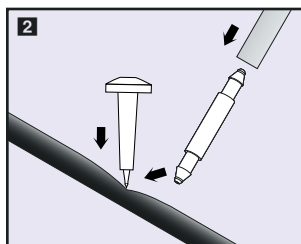
Note: Steps 1-3 apply to both potted & hanging plants

1 Distribution/Supply Line—Place the 1/2" Distribution/Supply Line close to your Potted or Hanging Plants. Use 1/2" Tube Straps to secure the Tube and install a 1/2" End Cap.

2 Hole Punch—Punch holes, in the 1/2" Distribution/Supply Line, for each container or hanging basket. Next, insert 1/4" Barbed Couplers into each hole.

3 Connect 1/4" Distribution/Supply Line to each exposed Barbed Coupler and run the Distribution/Supply Line to each container/basket. Use 1/4" tube straps to hold in place.

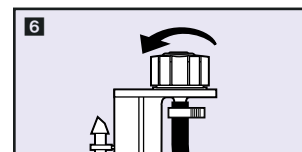
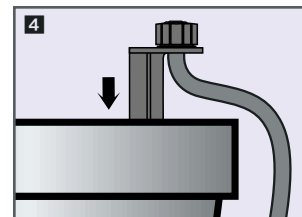
IMPORTANT: A single 1/4" distribution/supply line should not exceed 30'.


FOR POTTED PLANTS

4 Attach Multi-Stream Drippers to each 1/4" Distribution/Supply Line and insert stake next to each plant.

5 Remove the 1/2" End Cap and turn on water to flush system and replace cap.

6 Adjust water flow by twisting the top of the Multi-Stream Dripper.


FOR HANGING PLANTS

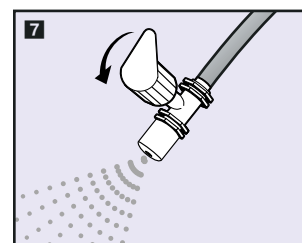
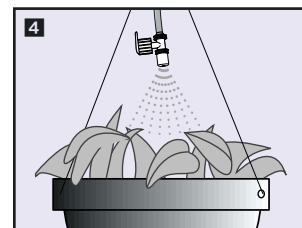
4 Attach Adjustable Flow Mist Sprayers to each 1/4" distribution/supply line and aim mist sprayer into the hanging basket.

5 Continue running lines to each hanging basket until the system is completed.

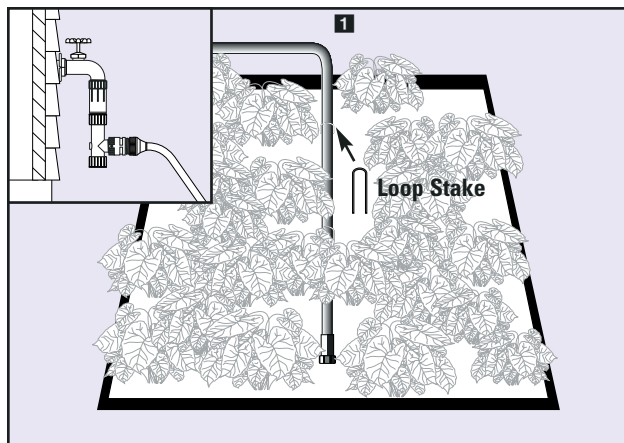
6 Remove the 1/2" End Cap and turn on water to flush system and replace cap.

7 Rotate the flow control knob on the Mist Sprayer, to adjust flow rate.

IMPORTANT: The maximum recommended number of Multi-Stream drippers and Mist Sprayers, per 1/2" supply line, is 15.


Supplies needed:

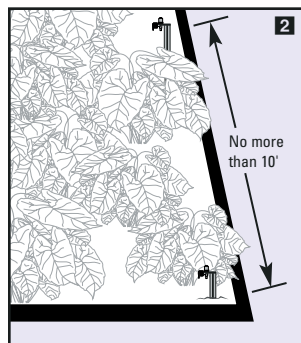
- 1/2" Tube Straps (part # 61048 or 62148)
- 1/4" Tube Straps (part # 61051)
- 1/4" Distribution/Supply Tube (part # 61070, 61490 or 61071)
- 1/4" Barbed Couplers (part # 61022 or 61222)
- Stake with Multi-Stream Dripper (part # 61064 or 61264)
- Adjustable Flow Mist Sprayer (part # 61032 or 61017)
- Punch Tool (part # 61085 or 61285D)


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COMMON HOSE-FAUCET PROJECTS
SECTION 4
GROUND COVER & FLOWER BEDS


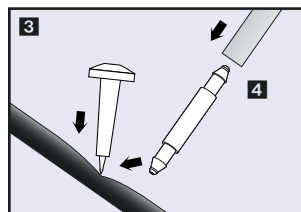
1 Distribution/Supply Line—Lay the 1/2" Distribution/Supply Line down the center of the Flower Bed or Ground Cover and install a 1/2" End Cap. Use Loop Stakes to hold in place.

2 Low Volume Sprinkler—Following the illustrated example, place quarter sprinkler heads in the corners, half sprinkler heads along the sides, and full spray pattern sprinkler heads in the center of your ground cover.

IMPORTANT - Spacing should be no more than 10' from one sprinkler to the next.



3 Hole Punch—Punch a hole, on top of the 1/2" Distribution/Supply line, for each Low Volume-Sprinkler. Next insert a 1/4" barbed coupler into each hole.



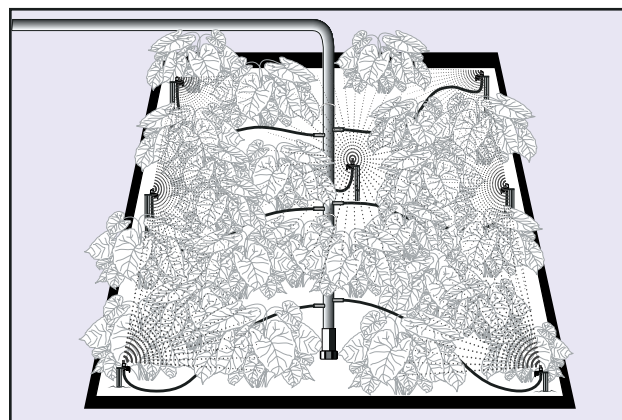
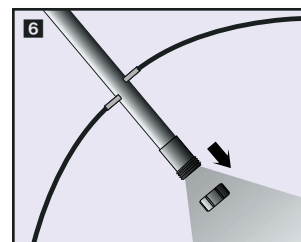
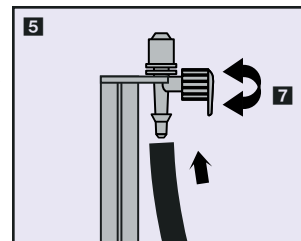
4 Connect the 1/4" Distribution/Supply Line to each of the exposed Barbed Couplers and run the Distribution/Supply Line to each sprinkler location. Cut tubing to desired length.

IMPORTANT: Keep Micro-Tubing lengths to less than 30'.

5 Attach the On-Stake Low Volume Sprinkler to each 1/4" Distribution/Supply Line.

6 Remove the 1/2" End Cap and turn on water to flush system and replace cap.

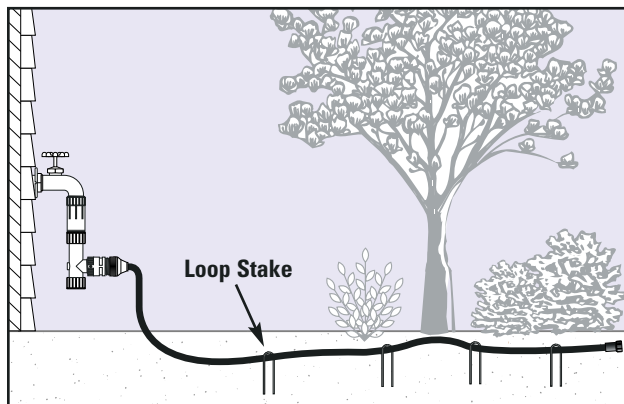
7 Rotate the flow control knob to adjust flow rate.



IMPORTANT: The maximum recommended number of Low Volume Sprinklers per 1/2" supply line is 16 at medium flow setting (8 at the maximum setting)

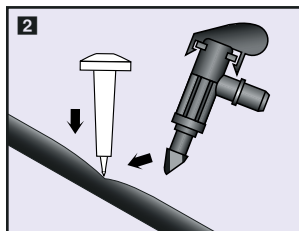
Supplies needed:

- 1/4" Distribution/Supply Tube (part # 61070, 61490 or 61071)
- 1/4" Barbed Fittings (part # 61022 or 61222)
- Low Volume Sprinkler on Stake (part # 61038, 61238, 61039, 61239, 61068 or 61268)
- 1/2" Loop Stake (part # 61442)
- Punch Tool (part # 61085 or 61285D)

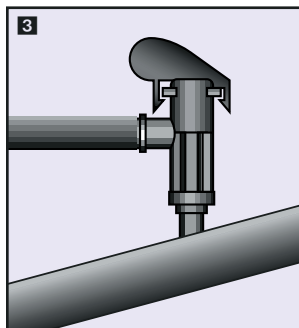

DripMaster®
COMMON HOSE-FAUCET PROJECTS
SECTION 4
SMALL TREES, & SHRUBS


1 Distribution/Supply Line—Lay the 1/2" Distribution/Supply Line next to the base of your plants, shrubs, and trees. Install a 1/2" End Cap at the end of the tubing. Use Loop Stakes to hold in place.

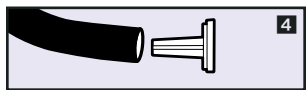
2 Hole Punch—Punch holes, on top of the 1/2" Distribution/Supply Line, next to the base of each plant, shrub or tree. Insert the barbed end of a 0-4 gallon per hour Flag Dripper into the hole.



3 If needed, attach 1/4" Distribution/Supply Line to the end of the Flag Dripper and run the 1/4" Distribution/Supply Line to the plant location.



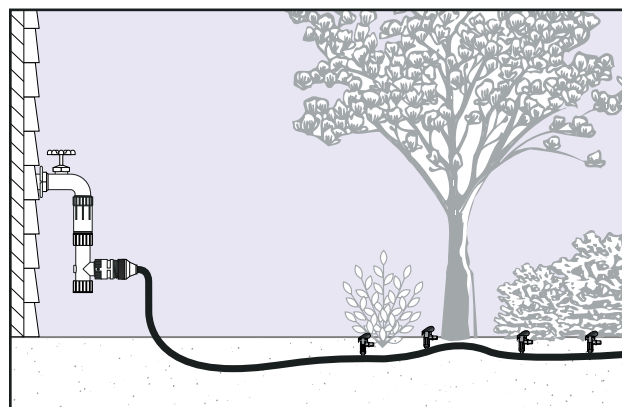
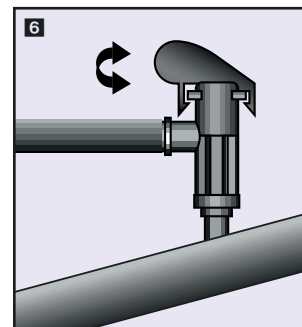
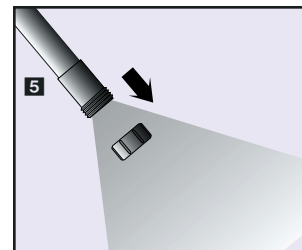
4 Install insect plugs into the end of the 1/4" Distribution/Supply Line.



5 Remove the 1/2" End Cap and turn on water to flush system and replace cap.

6 Adjust the flow rate by twisting the top of the adjustable Flag Dripper.

Note: If your micro-irrigation system is being installed on non-level ground, replace all 0-4 GPH Flag Dripper with 1 or 2 GPH Pressure Compensating Drippers to insure consistent water flow across the entire system.



IMPORTANT: The total number of 4 GPM (Gallons per Minute) Flag Drippers, attached to a single 1/2" supply line, should not exceed 45.

Supplies needed:

- Flag Drippers (part # 61464, 61465 or 61466)
- 1/2" Loop Stake (part # 61442)
- 1/4" Insect/Water Plug (part # 61065 or 61265)
- Punch Tool (part # 61085 or 61285D)

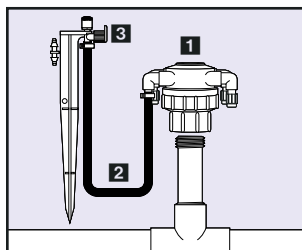

DripMaster®
RETROFIT
SECTION 5

CONNECTING TO AN EXISTING UNDERGROUND SPRINKLER SYSTEM

Connecting Micro-Irrigation to an existing underground sprinkler system (or Retrofit) is a simple way to supply water to your Micro-Irrigation System. Retrofits are commonly used to conserve water by replacing inefficient shrub sprinklers and bubblers.

Retrofit Micro-Irrigation systems compose mainly of:

- 1** Manifold—Attaches to a 1/2" riser and consists of 1 to 8 outlets.
- 2** 1/4" Distribution/Supply Line
- 3** Low Volume Sprinkler, Micro-Heads or Soaker Tube

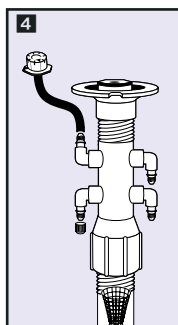
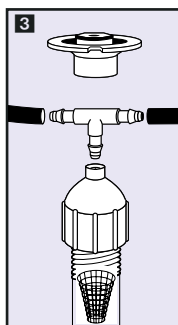
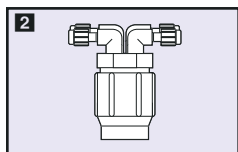
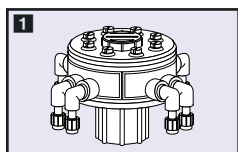


MANIFOLDS

The main function of a Manifold is to distribute water through 1/4" outlets.

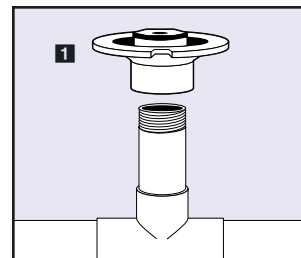
There are 4 types of Manifolds

- 1 Adjustable Flow Manifolds**—Ideal when water system pressures exceeds 40psi and where flow control is desired.
- 2 Full Flow Manifolds**—Ideal for replacing inefficient shrub heads and bubblers
- 3 Shrub Adapter**—Ideal for small potted or container plants
- 4 Riser Adapter Manifolds**—Permits Micro-Irrigation with out eliminating a sprinkler head



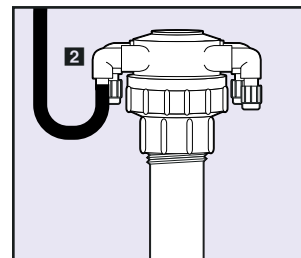
INSTALLATION FOR: ADJUSTABLE FLOW, FULL FLOW AND RISER ADAPTER MANIFOLDS

1 Remove sprinkler head from a 1/2" riser and attach the manifold. (for Riser Adapter Manifold: re-attach sprinkler head)



2 Remove cap(s) from the 1/4" barb(s) and insert 1/4" Distribution/Supply Line.

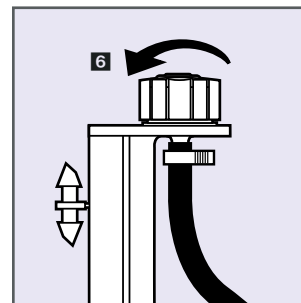
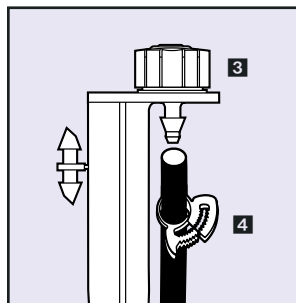
3 Attach a Low-Volume sprinkler or Micro-Irrigation head to the end of the Distribution/Supply Line.



4 To avoid high water pressure failure, install a 1/4" high pressure clamp to the end of the tube connections.

5 Position Micro-Irrigation head, next to plant.

6 If applicable, adjust flow control knob for desired flow rate.



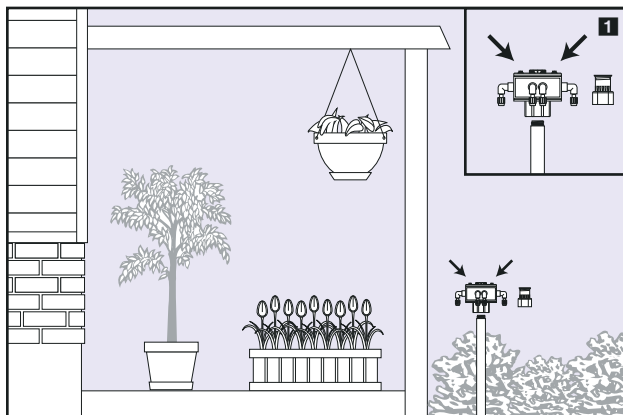
SECTION 6 CONTAINS THE TWO MOST COMMON RETROFIT PROJECTS

- 1. Container Plants and Shrubs**—page 16
- 2. Shrubs and Large Plants**—page 19


DripMaster®
COMMON RETROFIT PROJECTS
SECTION 6
CONTAINER PLANTS AND SHRUBS
Replacing hand watering with micro-irrigation

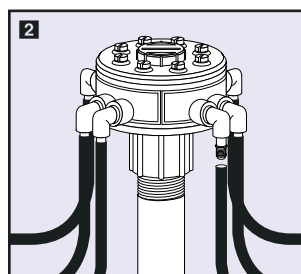
1 Connect an Apollo 8™ or a Quad Manifold to an exposed shrub riser. If a vacant riser is not available, use a Saddle Adapter (part # 61023W, 61024W) to connect to the sprinkler line.

2 Remove caps and attach 1/4" Distribution/Supply Line to each 1/4" barb.



3 Run each 1/4" Distribution/Supply Line to each container. Use 1/4" Tube Straps to hold tube in place. (Window boxes and large containers may require more than one line.)

IMPORTANT: A single 1/4" Distribution/Supply Line should not exceed 30'.



4 Flush lines to clear any debris.

5 Select the appropriate Micro-Irrigation Head for each container and plant.

COMMON RETROFIT PROJECTS
SECTION 6
HANGING BASKETS AND WINDOW BOXES

Use Orbit's® FlexMist™ (part # 61017) or Adjustable Mist Sprayer (part # 61032).

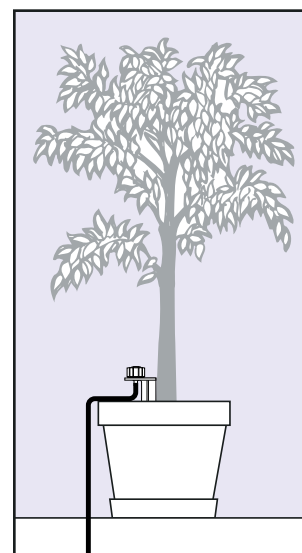
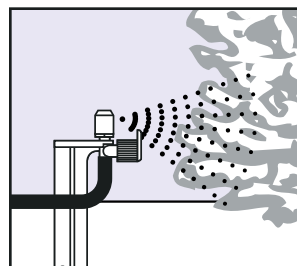
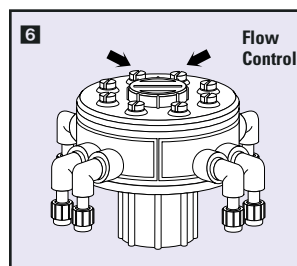
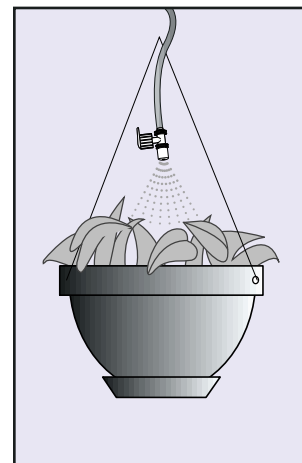
POTTED PLANTS

Use Orbit's® Multi-Stream on an 8" Stake (part # 61064, 61264)

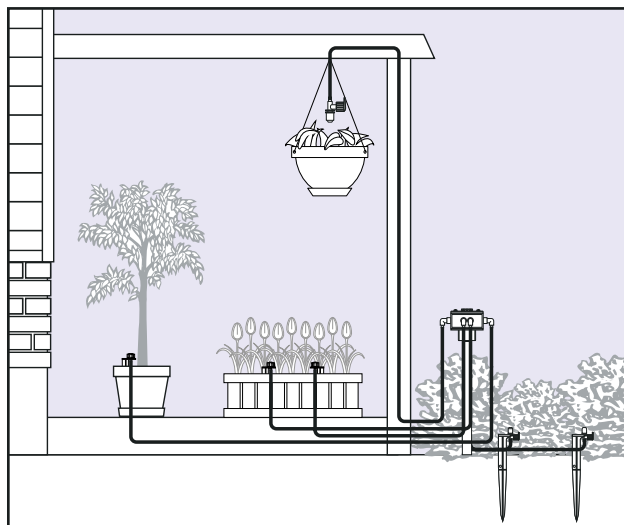
SHRUBS

Use Orbit's® Low-Volume Sprinkler Head on 12" Stake (See Parts list for spray pattern options)

6 Adjust the flow rate by turning the flow control screw.



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DripMaster®
COMMON RETROFIT PROJECTS
SECTION 6

Supplies Needed:

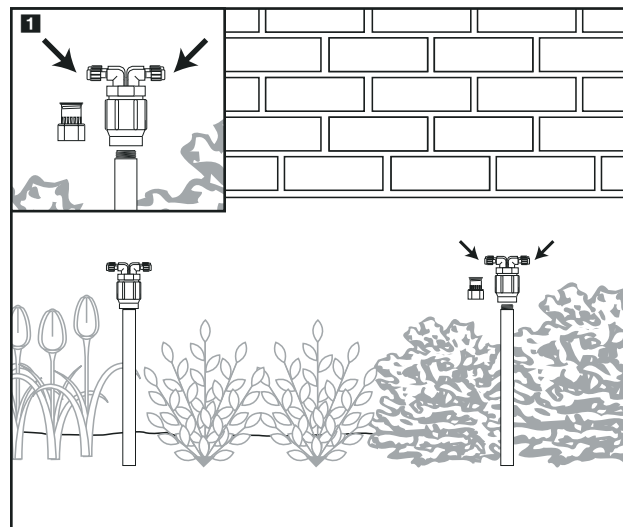
- Apollo 8™ Manifold (part # 61008)

Or

- Quad Adjustable Manifold (part# 61006)
- The appropriate Micro-Irrigation Head listed above
- 1/4" Tube Straps (part # 61051)
- 1/4" Distribution/Supply Tube (part # 61070, 61490 or 61071)

COMMON RETROFIT PROJECTS
SECTION 6
FLOWER BEDS, GROUND COVER, SHRUBS AND LARGE PLANTS

Replacing inefficient shrub heads with Micro-Irrigation

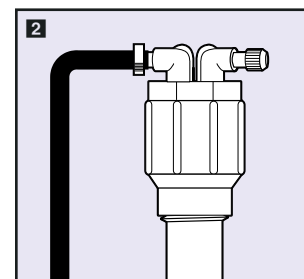


1 Remove shrub heads from risers and replace with "Full Flow Quad Manifolds."

2 Remove barb caps from the manifolds and attach 1/4" Distribution/Supply Lines to each exposed 1/4" barb. Run individual 1/4" Distribution/Supply Line to each Low-Volume Head flush lines to clear any debris.

IMPORTANT: Full flow manifolds do not have an internal pressure regulator. To avoid high pressure failures install 1/4" High Pressure Clamps on all 1/4" connections.

IMPORTANT: A single 1/4" Distribution/Supply Line should not exceed 30'.



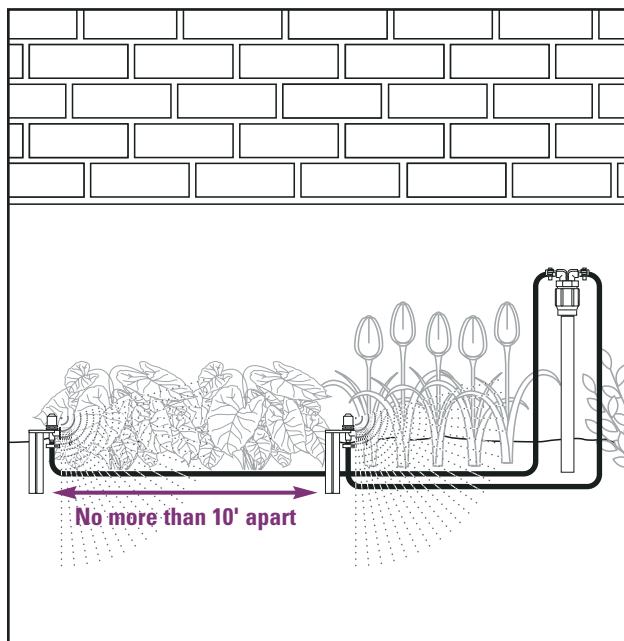
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COMMON RETROFIT PROJECTS
SECTION 6
FLOWER BEDS AND GROUND COVER

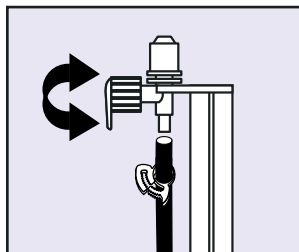
Attach a Low-Volume Head on 12" Stake, spaced no more than 10' apart (See Parts List for spray pattern options)

or

Multi-Stream Dripper on a stake (spaced no more than 3' apart)
(Part # 61064, 61264)

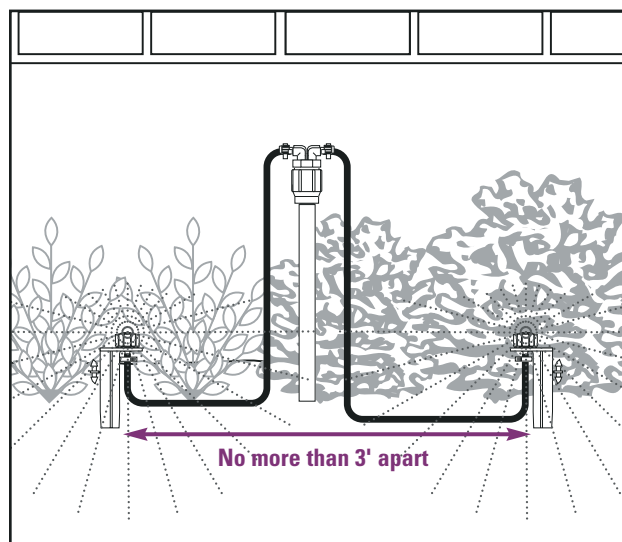


Note: Adjust the flow rate by turning the flow control on each Micro-Irrigation head.

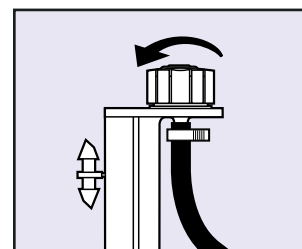

COMMON RETROFIT PROJECTS
SECTION 6
SHRUBS AND LARGE PLANTS

Use Orbit's® Multi-Stream Dripper on a stake next to each shrub or large plant

(Part # 61064, 61264)



Note: Adjust the flow rate by turning the flow control on each Micro-Irrigation head.


Supplies needed:

- Quad-Manifold Full-Flow (part # 61004)
- The appropriate Micro-Irrigation Head listed above
- 1/4" Distribution/Supply Tube (part # 61070, 61490 or 61071)
- 1/4" High Pressure Clamps (part # 61054, 61254)


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DIRECT CONNECTION TO AN IRRIGATION VALVE

SECTION 7

CONNECTION TO A DESIGNATED IRRIGATION VALVE

Direct connection to an underground irrigation valve is ideal for medium to large micro-irrigation projects. This application is most commonly used for gardens, large flower beds, shrubs, trees and desert landscaping.

IMPORTANT:

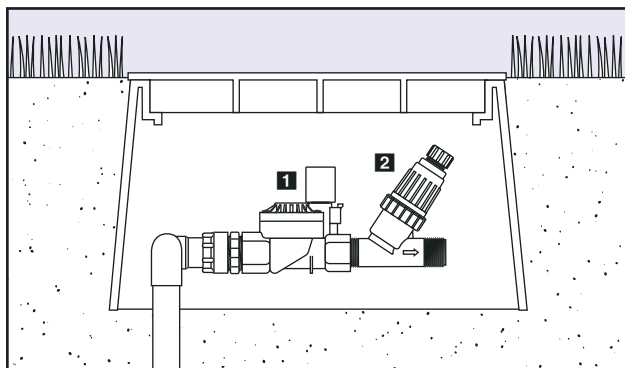
- Contact the local water district for code requirements
- Before digging, contact utility companies to mark utility lines

Connection to a designated valve comprise mainly of:

- 1 3/4" Irrigation Valve (Manual or Automatic)
- 2 Y Filter (model 61062)

Note: Using a filter, not designed for micro-irrigation, may cause damage.

- 3 1/2" Distribution/Supply Tubing (part # 61079, 61080 , 61081) or 3/4" PVC Pipe



SECTION 8 CONTAINS THE TWO MOST COMMON APPLICATIONS

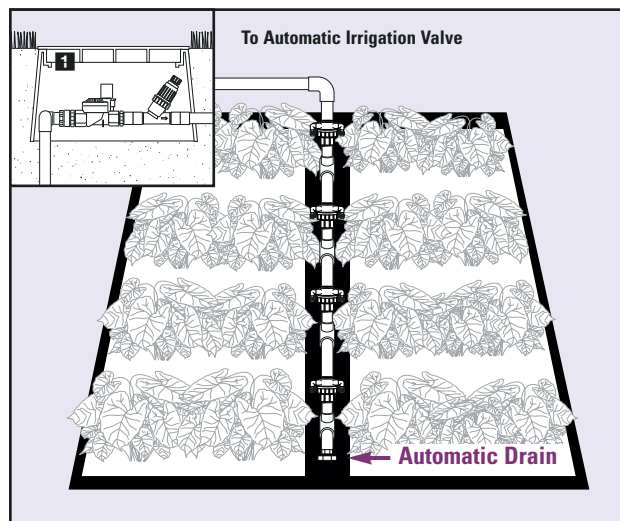
1. **Gardens**—page 23
2. **Desert Landscaping**—page 25

COMMON PROJECTS

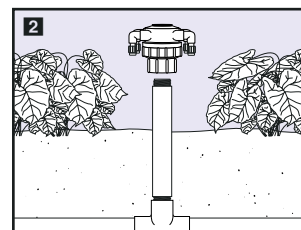
SECTION 7

GARDENS

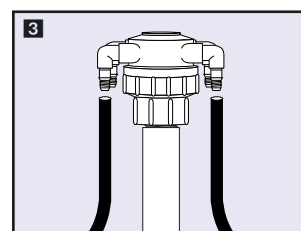
- 1 Water Supply—Connect 3/4" PVC to the end of the Y Filter and run the PVC pipe down the center of the garden. Attach a 3/4" Slip x 1/2" threaded Tee for each row. Use an Automatic Drain Valve on the end of the pipe and on any low sections of the PVC pipe.



- 2 Screw in 1/2" risers on each tee (extending 6" to 8" above ground). Attach an Orbit® Quad Manifold on each riser.



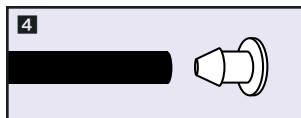
- 3 Remove manifold caps and attach 1/4" Soaker Tube to each 1/4" barb. Run Soaker Tube along the base of each plant.



Tip—Use Metal Loop Stakes to hold the 1/4" soaker tube in place

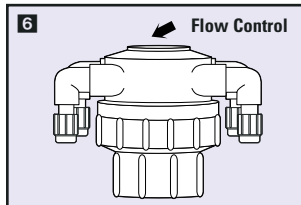

DripMaster®

4 Cut Soaker Tube to desired length and insert a 1/4" End Plug.



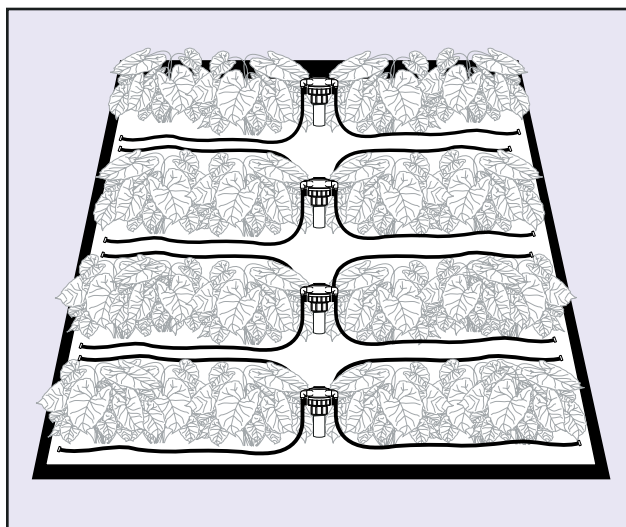
Note: Keep each 1/4" Soaker Tube lengths to less than 15'.

5 Remove the Automatic Drain Valve, attached to the end of the PVC pipe and flush the line to remove any debris.



6 Adjust the flow rate by turning the flow control screw.

IMPORTANT: Do not attach more than 14 Quad Manifolds



Supplies Needed:

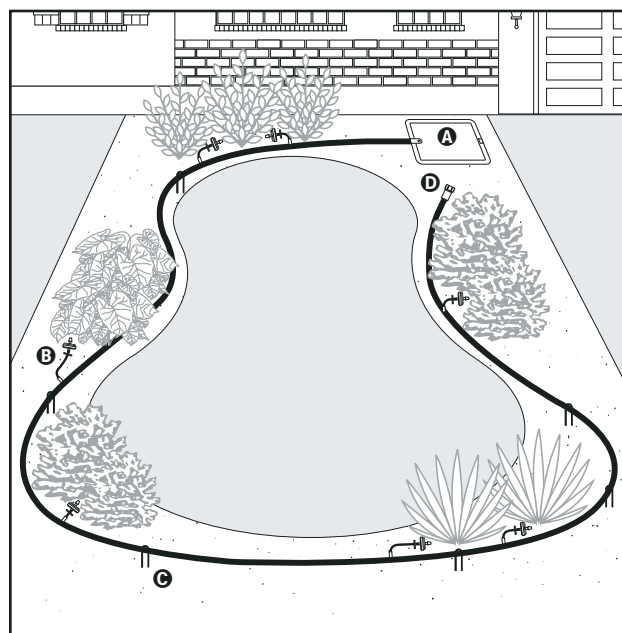
- 3/4" Automatic Drain Valve (part # 51041)
- Quad Adjustable Manifold (part# 61006)
- Loop Stakes 1/4" (part # 61443)
- Soaker Tubing (part # 61072, 61073, 61173 or 61488)
- 1/4" End Plugs (part # 61026 or 61226)
- 3/4" Slip x 1/2" Threaded Tees
- 1/2" Risers

COMMON PROJECTS

SECTION 8

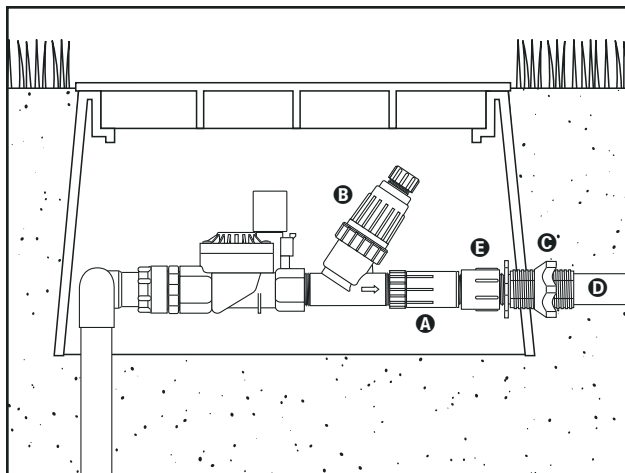
DESERT LANDSCAPING

- A** Irrigation Valve
- B** Pressure Compensating Dripper with a Tube Stake
- C** Loop Stake
- D** End Cap.



1 Water Supply—Connect a Pressure Regulator (part# 61060 or 61260) to the Y filter and attach a Universal Male Adapter (part # 61425). Next attach 1/2" Distribution/Supply line to the exposed end. (See the top of page 26)

Important: not using a pressure regulator may cause damage to the micro-irrigation system.


DripMaster®
COMMON PROJECTS
SECTION 8


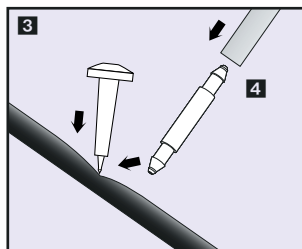
- A** Pressure Regulator
- B** Y filter
- C** Universal Male Adapter
- D** 1/2" Distribution/Supply line
- E** Threaded Coupler (Sold Separately)

2 Run Distribution/Supply Line next to plants, shrubs and trees you intend to water. Next install a 1/2" End Cap. Use 1/2" Loop Stakes to hold the line in place.

3 Hole Punch—Punch a hole, in the 1/2" Distribution/Supply line, for each shrub or tree. Next insert a 1/4" barbed coupler into each hole.

4. Connect the 1/4" Distribution/Supply Line to each of the exposed Barbed Couplers and run it to the base of each shrub or tree. Cut tubing to desired length.

Important: A single 1/4" Distribution/Supply Line should not exceed 30'

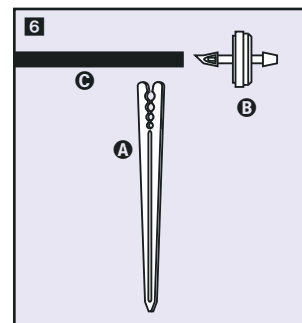
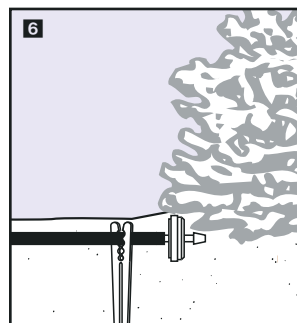
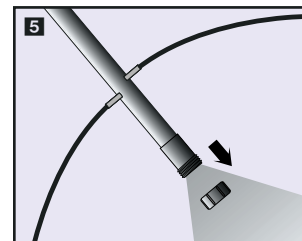


5 Remove the 1/2" End Cap and turn on water to flush system, then replace cap to flush 1/4" Distribution/Supply Line.

6 Attach a Pressure Compensating Dripper (Part # 61477) to each 1/4" Distribution/Supply Line. To hold dripper in place, next to the base of the shrub or tree, use a Tube Stake (part # 61052).

Note: More than one 1/4" Distribution/Supply Line (with Pressure Compensating Dripper) may be required for large trees or shrubs.

Important: Do not attach more than 57, two Gallon per hour Pressure Compensating Drippers, to a single 1/2" Distribution/Supply Line



- A** Tube Stake
- B** Pressure Compensating Dripper
- C** 1/4" Distribution/Supply Line

Supplies needed:

- 1/2" Universal Male Adapter (part # 61425)
- 1/2" Distribution/Supply Tubing (part # 61079, 61080 or 61081)
- 1/2" Universal End Cap (part # 61429)
- 1/2" Loop Stakes (part # 61442)
- Punch Tool (part # 61058 or 61285D)
- 1/4" Coupling (part # 61022 or 61222)
- 1/4" Distribution/Supply Tube (part # 61070, 61490 or 61071)
- Tube Stakes (part # 61052)
- Pressure Compensating Dripper (part # 61477)


DripMaster®

NOTES

ORBIT DRIPMASTER PARTS LIST

SECTION 9

DISTRIBUTION TUBE FITTINGS

1/4" Distribution Tube Connectors


1/4" Barb Elbow
61020, 61220

1/4" Barb Tee
61021, 61221

1/4" Barb Coupling
61022, 61222

1/4" Barb End Plug
61026, 61226

1/4" Barb Shut-Off Valve
61027

1/4" Insect/Water Distribution Plug
61065, 61265

Coupler
61041, 61241

Tee
61042, 61242

Elbow
61043, 61243

1/2" Figure 8 End Fitting
61047, 61247

1/2" Shut-Off Valve
61086

Universal 1/2" Distribution/Supply Line Connectors


Hose/Faucet Adapter
61424

Male Pipe Threaded Adapter
61425

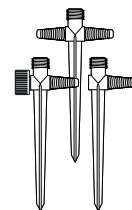
Coupler
61426

Elbow
61427

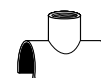
Tee
61428

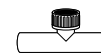
End Cap
61429

ACCESSORIES


3/4" Female Hose Thread x 1/2" Barbed-Stake
61156

1/2" Barbed Inline X Male Pipe Thread-Stake
61158

1/2" Barb X Male Pipe Thread-Stake
61159

Saddle Adapter
1/2" x 1/2"
61023W
3/4" x 1/2"
61024W

Faucet Adapter
1/2" Distribution Tube
61044, 61244
1/4" Distribution Tube
61049, 61249D

Female Hose Thread Swivel x 1/2" Tubing Tee
61045

Connects - 3/4" Hose Thread to 3/4" Pipe Thread
61066, 61266

1/2" Tube End Cap
61067


DripMaster®
ORBIT DRIPMASTER PARTS LIST
SECTION 9


Tubing Strap
1/4" 61051
1/2" 61048, 61248



1/4" High Pressure
Clamp
61054, 61254



Hose/Tap Filter
61009, 61209D



Y Filter
3/4" Male Pipe
Thread
61062



Pressure Regulators
25 PSI - 3/4" Pipe
Threaded Female x
Male 61060, 61260
25 PSI - Hose
Threaded Female X
Male 61063, 61263
47 PSI - Hose
Threaded Female X
Male 61435



Plastic Hose Y
61059, 61259D



Hose Bib Anti-
Siphon Valve
61056, 61256



Extension Riser
6" 61057
12" 61058



Tube Stake
12" 61053, 61253
6" 61052



6" Inline Stake
61050



Loop Stake
1/2" 61442
1/4" 61443



9" Micro Spring-
Loaded Pop-up
61478



Tubing Cutter
61082



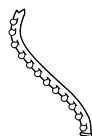
Tube
Punch Tool
61085, 61285D

DISTRIBUTION/SUPPLY TUBE


1/4" Distribution
Tube
50' 61070, 61490,
61074, 61481
100' 61071
500' 61075



1/2" Distribution
Tube
50' 61079
100' 61080
500' 61081

1/4" SOAKER TUBE


Laser Soaker Tube
15' 61072
60' 61073



1/4" Porous
Soaker Tube
50' 61173
100' 61488

MANIFOLDS


Apollo 8™ Manifold
61008



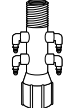
Quad Manifold
Adjustable
61006



Quad Manifold
Full-Flow
61004



1/2" MPT
Bi-Manifold
61005



Quad Adapter
Manifold
61003



Bi-Manifold II
61411



1/2" Riser Adapter
with 1/4" Barb
61005



1/2" Female Pipe
Threaded Shrub
Adapter
With 1/4" Barbed outlet
61011
With threaded outlet
61010

LOW VOLUME HEADS


Multi-Stream
Dripper
61030, 61230



Inline
Dripper/Emitter
61037, 61237



Multi-Stream on 8"
Stake
61064, 61264



Flag Dripper
0-1 GPH 61464
0-2 GPH 61465
0-4 GPH 61466



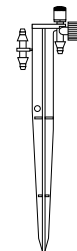
Pressure
Compensating
Dripper
1 GPH 61467
2 GPH 61477

LOW VOLUME SPRINKLERS


Mini Rotating
Sprinkler
61033



Low-Volume
Sprinkler
Full Pat 61034
1/2" Pat 61035
1/4" Pat 61036
Strip Pat 61031



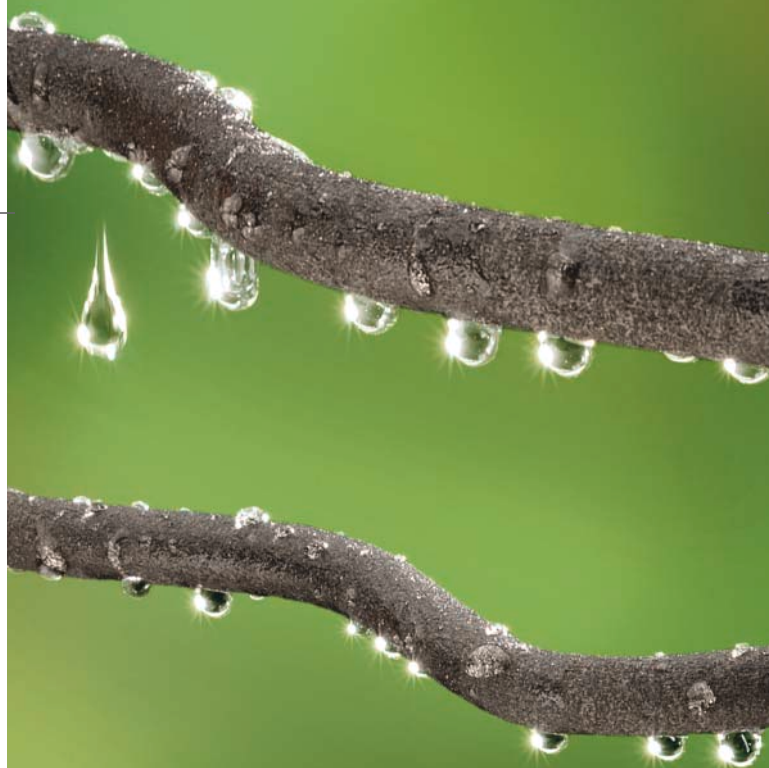
Low-Volume Sprinkler
Head on 12" Stake
Full Pat 61038, 61238
1/2" Pat 61039, 61239
1/4" Pat 61068, 61268
Strip Pat 61029, 61229



Adjustable Mist
Sprayer
61032



Adjustable
FlexMist™
61017



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