



easy to use
**GARDEN
WATERING**

GUIDE FOR SOAKER HOSE AND DRIP WATERING SYSTEMS

FREE

Take One!

Easy to Use
Easy to Maintain
Saves Money
Conserves Water



WHY DO PEOPLE NEED SOAKER AND DRIP WATERING SYSTEMS?

- Easy to Use and Maintain
- Saves Money
- Healthy and Happy Plants
- Saves Water

DRIP VERSUS SOAKER SYSTEMS

- **DRIP** is a miniature sprinkler system that waters individual plants. *Drip* sprinklers range in spray distance from 0 to 15 feet and emit water from ½ to 30 gallons per minute, allowing gardeners to tailor systems to meet each plant's needs. *Drip* systems are great for flower gardens, xeriscape gardens, container plants, trees, and shrubs and can be connected to any outdoor faucet or retrofitted to a new or existing underground sprinkler system.
- **SOAKER** systems are designed to saturate the soil in a designated area. Water weeps from the tubing and is soaked up by the surrounding soil to gently water delicate plants. There are two types of soaker emitters: soaker hose and sprinkler hose. *Soaker hose* gently discharges water from holes all around the tubing. *Sprinkler hose* gently discharges water from holes on the sides of the tubing, but also sprays water up to 10 feet from holes located on the top of the hose. *Soaker* systems are used for flower and vegetable gardens, professional landscaping, and any other vegetation planted in close proximity to each other. *Soaker* systems can be connected to any outdoor faucet or retrofitted to a new or existing underground sprinkler system.

SEE HOW EASY IT IS



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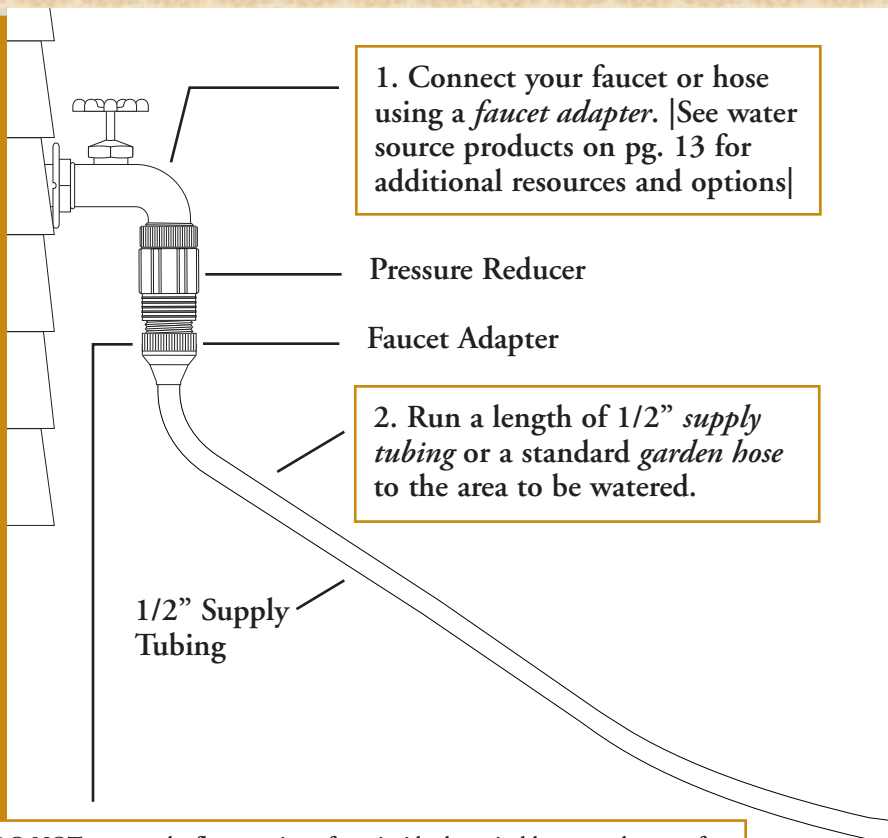
Helpful Guidelines 16



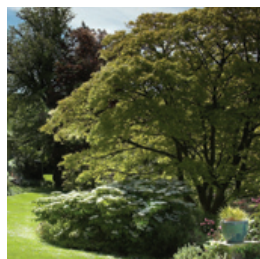
SOAKER HOSE WITH BRASS ENDS:

50' AND 75' LENGTHS

For basic Soaker Hose applications

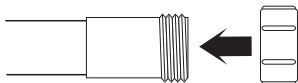


Note: DO NOT remove the flow restrictor from inside the swivel hose attachment of your soaker hose. This flow restrictor is designed to maintain optimal water flow and pressure in the soaker hose. If removed or damaged, the life cycle and performance of your soaker hose will be greatly reduced. The manufacturer is not liable for incidental or consequential damages as a result of any misuse or defect of the product.



4. Weave the *soaker hose* near the roots of your plants throughout the desired watering area. *soaker hose* is available in lengths of 50 and 75 feet.

5. Cap the end of the *soaker hose* with a cap that comes with the 1/2" tubing end cap fitting.



Connect hose and tubing or put cap on the end of the *soaker hose*

3. Connect *garden hose* to *soaker hose*. Or using 1/2" supply tubing, use a 1/2" tubing end cap connector fitting to attach *soaker hose*.

End Cap

Soaker Hose

SOAKER HOSE OPTIONS

Flowers & Vegetables Soaker Hose

1/2" diameter is ideal for smaller root plants like flowers and vegetables, and easily contours to fit smaller garden spaces

Trees, Shrubs & Gardens Soaker Hose

5/8" diameter is designed for larger root plants like trees, shrubs, and perennials.

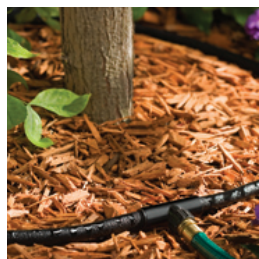
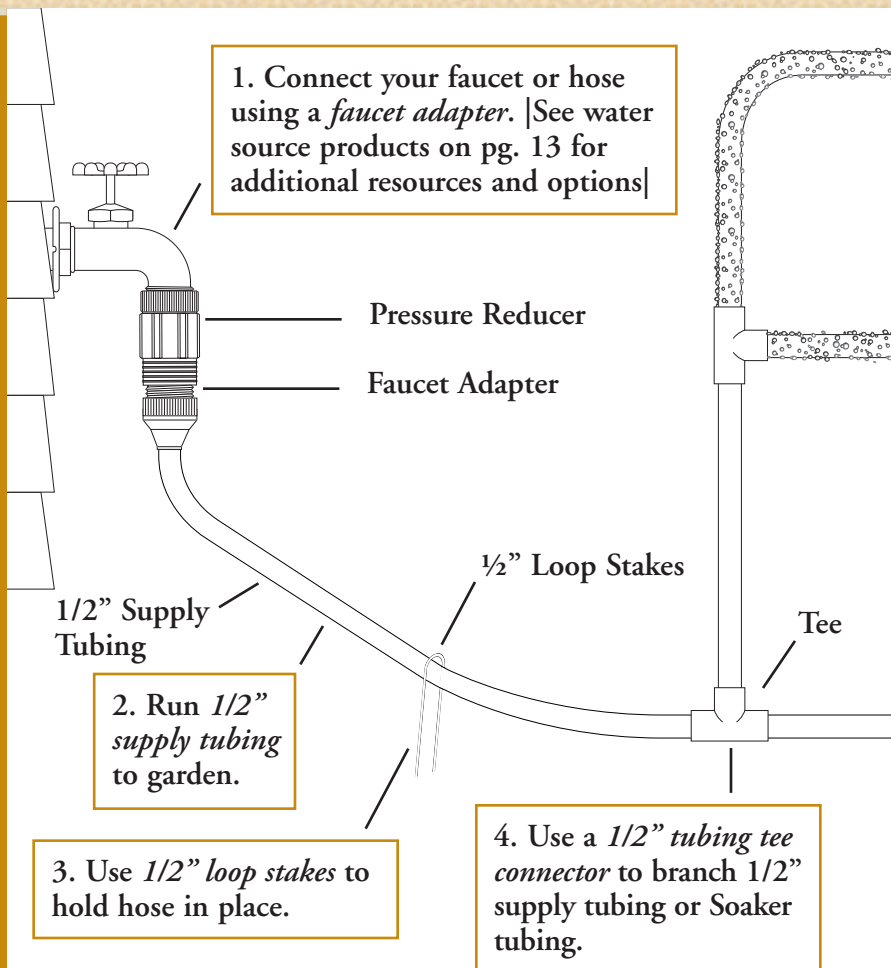
Sprinkler & Soaker Hose

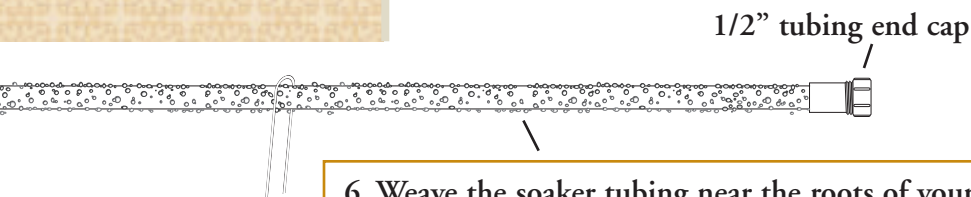
Flat soaker tubing does two things: It seeps water into surrounding soil, and sprays streams of water up to ten feet from the hose to reach surrounding plants.

NOTE: 25 psi is the ideal water pressure. Always use a pressure reducer.

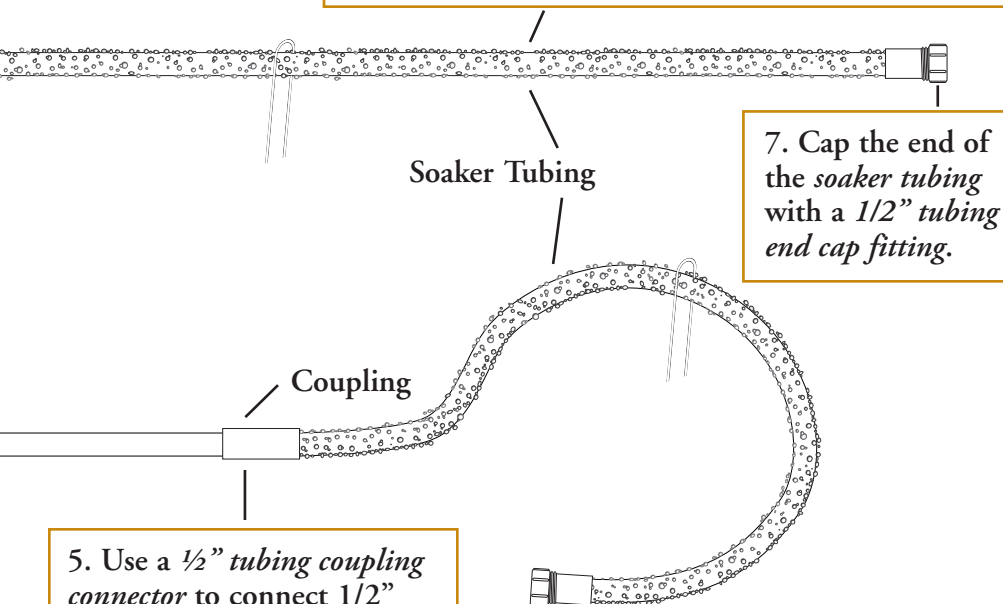
CUSTOM SOAKER TUBING SYSTEM

For basic Soaker Tubing applications





Soaker Hose is available in lengths of 100 feet.



5. Use a 1/2" tubing coupling connector to connect 1/2" supply tubing to 1/2" soaker tubing.

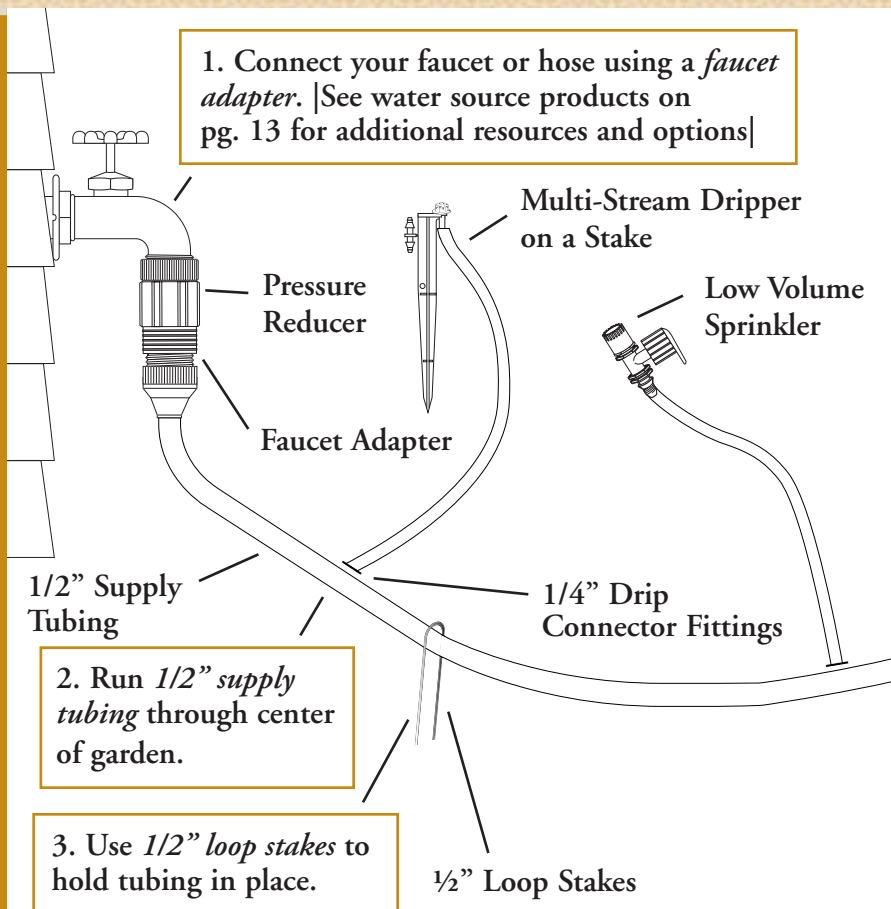
NOTE: 25 psi is the ideal water pressure. Always use a pressure reducer.

Individual lengths of soaker hose or tubing should never exceed 100' in length. One faucet can operate up to six individual 100' lengths.

A soaker system should ALWAYS be installed with a pressure reducer at the water source. Water pressure should not exceed 25 psi, or the life cycle and performance of your soaker hose will be greatly reduced. The manufacturer of this product is not liable for incidental or consequential damages as a result of any misuse or defect of the product.

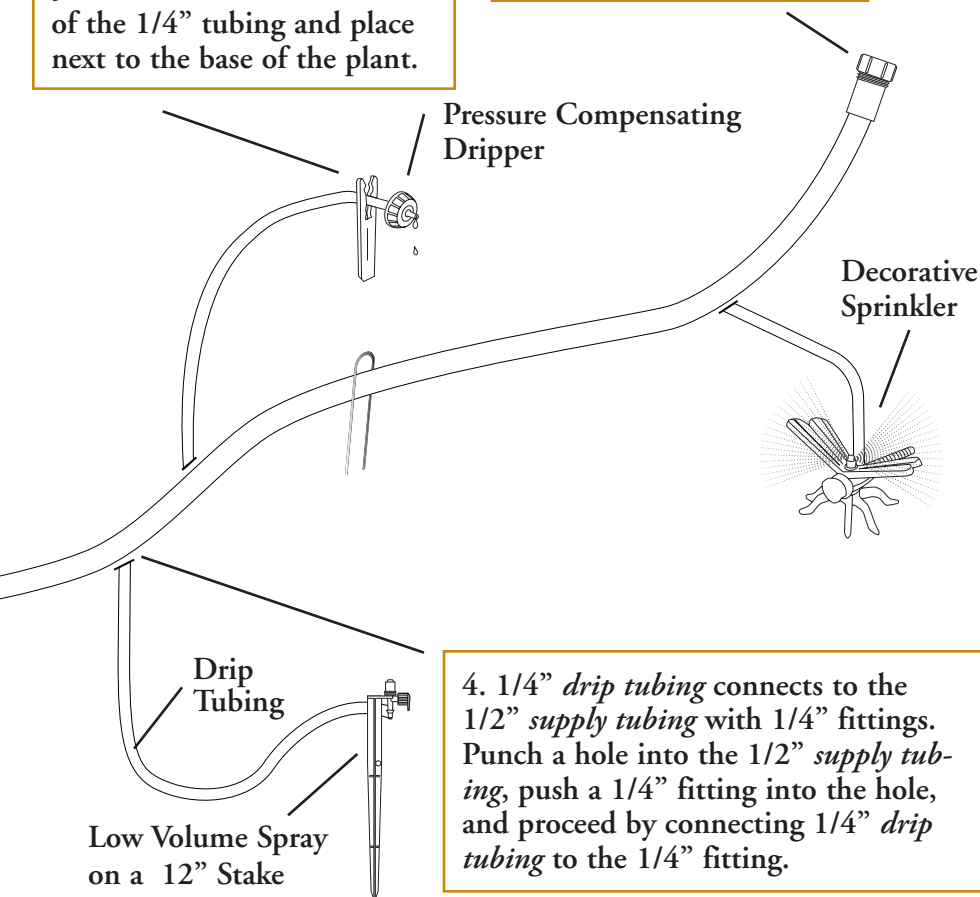
DRIP WATERING SYSTEM

Run 1/2" Supply Tubing through garden and tap drip lines to individual plants.



5. Connect *emitters* to the end of the 1/4" tubing and place next to the base of the plant.

6. Cap the end of the 1/2" *supply tubing* with a 1/2" *tubing end cap fitting*.



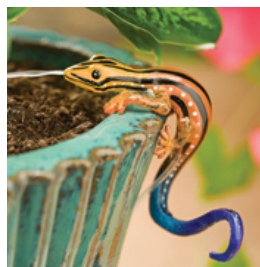
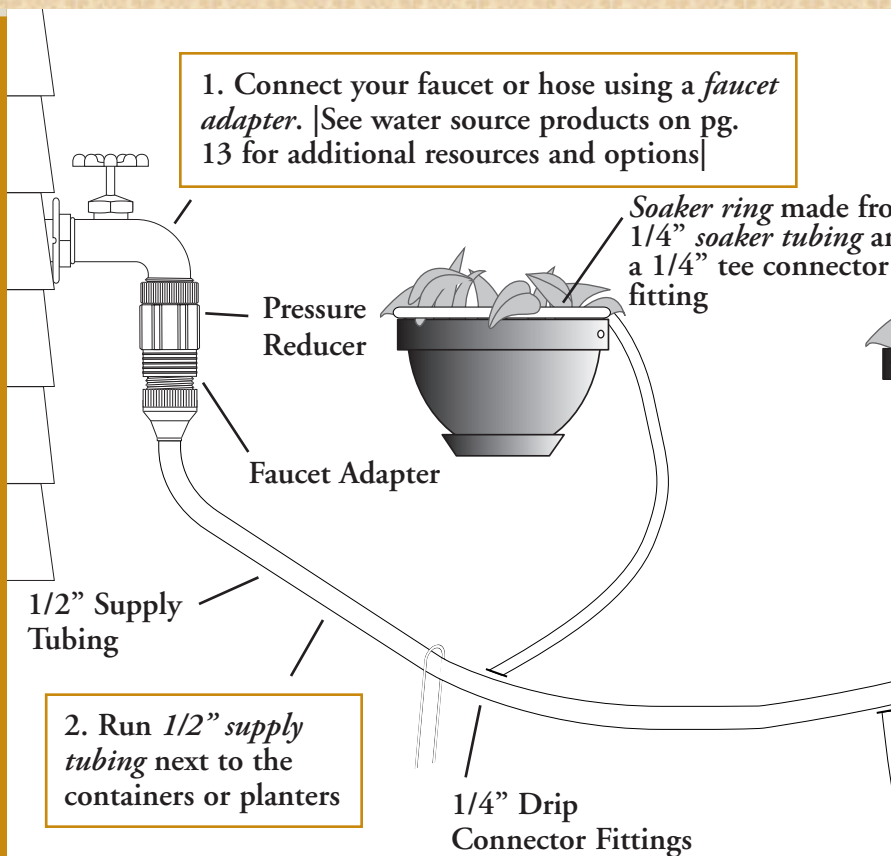
4. 1/4" *drip tubing* connects to the 1/2" *supply tubing* with 1/4" fittings. Punch a hole into the 1/2" *supply tubing*, push a 1/4" fitting into the hole, and proceed by connecting 1/4" *drip tubing* to the 1/4" fitting.

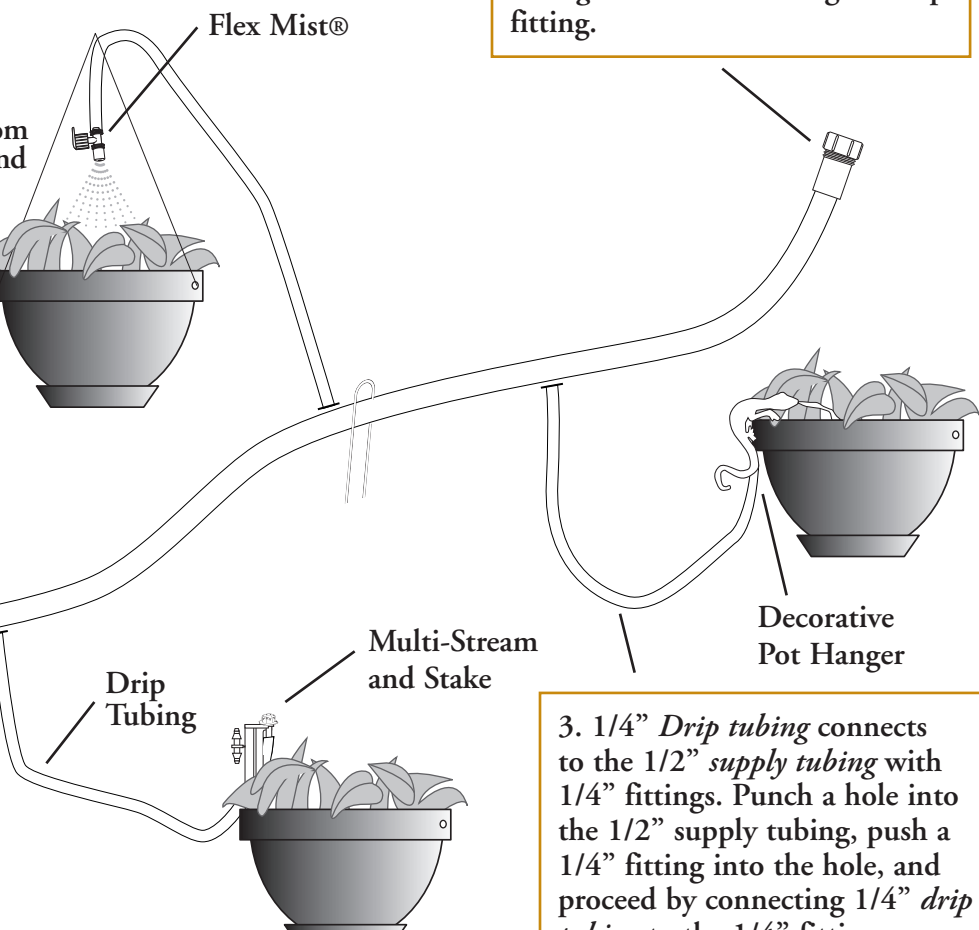


NOTE: 25 psi is the ideal water pressure. Always use a pressure reducer.

CONTAINER WATERING SYSTEM

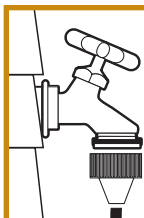
Use a Drip System to water container plants





4. Cap the end of the 1/2" *supply tubing* with a 1/2" tubing end cap fitting.

3. 1/4" *Drip tubing* connects to the 1/2" *supply tubing* with 1/4" fittings. Punch a hole into the 1/2" supply tubing, push a 1/4" fitting into the hole, and proceed by connecting 1/4" *drip tubing* to the 1/4" fitting.



Small container systems may be assembled using only 1/4" *Drip Tubing*. In this application, use the *Drip Faucet Adapter* to connect *Drip Tubing* to the outside faucet. Cap end of *Drip Tubing* with plug from 1/4" *Drip Fittings*.

COMPONENT DESCRIPTIONS

No two gardens or landscapes are exactly alike. Soaker and drip watering systems are simple to assemble into custom layouts that meet the needs of your garden area and plants. Use the following component descriptions to identify the parts you need.

Soaker Hose Watering System



Drip Watering System



Preassembled Soaker Program

5/8" x 50'
Soaker Hose



1/2" (.700")
x 100' Bulk
Soaker Tubing



5/8" x 75'
Soaker Hose



Tree and Shrub
Soaker Ring



10' Sprinkler
Misting and
Soaker Hose

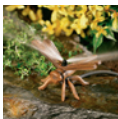


50' Sprinkler
Misting and
Soaker Hose



Sprinklers & Water Source Fittings

Drip Bug Dragonfly



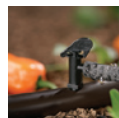
Multi-Stream Dripper



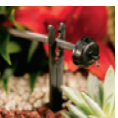
Adjustable Spray Pattern Micro-Sprinkler on a Stake



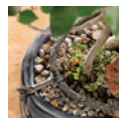
0-4 Gallons Per Hour Flag Dripper



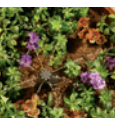
2 Gallons per Hour Flag Dripper



1/4" x 50' Porous Soaker Tubing



6" Stake Multi-Stream Dripper



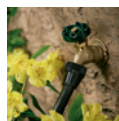
1/4" x 60' Drilled Soaker Tubing



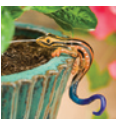
Adjustable Flow Flex-Mist® Sprayer



Faucet Adapter



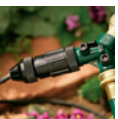
Decorative Garden Accessory Gecko Sprinkler



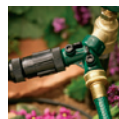
Single-Dial Digital Watering Timer



Hose Faucet Pressure Reducer



Hose Y



Fittings (Including tubing) & Kits

Fittings essentially direct water from the source of the water out to where the sprinklers need to be. Kits contain essential fittings in one pack.

**1/2" x 50'
Supply
Tubing**



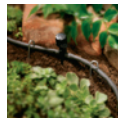
**1/2" x 100'
Supply Tubing**



**1/2" Tubing
Loop Stake**



**1/4" Tubing
Loop Stake**



**1/4" x 50'
Tubing**



**1/4" x 100'
Supply
Tubing**



**1/4" Tubing Tee
Connector**



**1/4" Tubing
Coupling
Connector**



**1/4" Tubing
Connector
Assortment
Pack**



**1/2" Tubing
End Cap**



**1/2" Tubing Tee
Connector**



**1/2" Tubing
Coupling
Connector**



Garden Essentials Kit



Xeriscape Essentials Kit



All-in-One Hose Faucet Connection



Above Ground Bubbler & Spray Kit



Flower Garden Kit



Deco Hose/Faucet Starter Kit



Vegetable Garden Kit



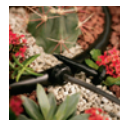
Manifolds & Miscellaneous

Manifolds attach to the water source directing water to various sections of your garden.

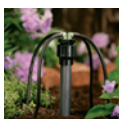
Shrub Head Manifold



Tubing Punch Tool



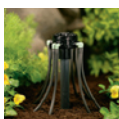
Full Flow Quad Manifold



DripMaster Installation Guide



Adjustable Flow Apollo 8° Manifold



COMPONENT CHECK-LIST

Connect the products to the faucet

- ☐ Hose Y ☐ Pressure Regulator ☐ Filter ☐ Anti-Siphon Back-Flow Preventor

Tubeing and/or Hose

- ☐ Soaker Hose ☐ Poly Pipe ☐ Drip Tubing ☐ Mini Soaker Hose ☐ 1/4" Drip Tubing

System Components (fittings)

- ☐ Figure 8 End Caps ☐ Couplings ☐ Tees ☐ Stakes ☐ Adapters

Drip Fittings

- ☐ PC Emitters ☐ Low-Vol. Mini-Sprinklers ☐ 1/2" & 1/4" Connector ☐ Faucet Adapters or Manifold

HELPFUL TIPS & GUIDELINES

- For optimal water efficiency and plant health, water in the morning and less frequently for longer duration. Frequent watering leads to shallow plant roots.

SOAKER

- To maintain even watering, soaker hose should not be extended beyond 100 feet from the water source.
- A single faucet can operate a total of up to 600 feet of soaker hose. This is a combined total of all soaker hose no greater than 100 feet in length from each outlet.
- Soaker hose will water plants in loose, sandy soil up to 8 inches from each side of the hose; plants in hard, clay-like soil must be within 12 inches of the hose.
- Soaker hose is best used above ground or covered with mulch. Hose may be buried up to 4 inches deep if necessary, but is discouraged as it is more difficult to monitor watering and hose can be damaged by unseen roots or digging.
- Mini soaker hose should not exceed 15 feet in length.
- Avoid placing soaker hose up and down hills; lay it horizontally along slopes.

- Soaker hose emits 1 gallon of water per hour for every 10 feet of hose, varying with water pressure and length of hose. To determine optimal watering duration, experiment with each section.

- Soaker hose operates best at low pressures of 10 to 25 psi. The water from the hose should drip and not spray. Always use a pressure regulator to achieve the appropriate water pressure.

- A soaker system should ALWAYS be installed with a pressure reducer at the water source.
- Water pressure should not exceed 25 psi, or the life cycle and performance of your soaker hose will be greatly reduced.
- The manufacturer of this product is not liable for incidental or consequential damages as a result of any misuse or defect of the product.

D RIP

- A single faucet can operate sprinklers for a total up to 200 gallons per hour. Mix and match drip sprinklers to total 200 gallons per hour for each faucet.

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