

MISTERS

PATENT #5,335,859

3 in 1 SWAP-TOP® Mister MLM-236



Down Spray

Ideal for flower or small areas.
(Covers 15-16 sq. ft.)



Center Strip

Ideal for narrow walkways & planters.
(Covers 7 sq. ft.)



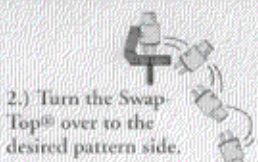
Quarter Circle

Ideal for corners.
(Covers 16 sq. ft.)

HOW TO INTERCHANGE YOUR SWAP-TOPS:



1.) Slide the Swap-Top® straight off the "G" shaped Mister.



2.) Turn the Swap-Top® over to the desired pattern side.



3.) Slide back on the open slot side of Swap-Top® until you feel a slight snap and stop on the "G" shaped Mister.

3 in 1 SWAP-TOP® Mister MLM-404



320° Full Circle Fan

Fine Mist ideal for small areas.
(Covers 25 sq. ft.)



165° Half Circle Fan

Ideal for side areas to keep water from spraying the house.
(Covers 13 sq. ft.)



180° Half Circle Fan

Ideal for areas that need a 180° full circle spray.
(Covers 25 sq. ft.)

End Strip Mister

(MLM-01)

Provides a 4' narrow pattern in one direction.

Effectively waters the ends of walkways or planters. (Covers 4 sq. ft.)



Center Strip Mister

(MLM-02)

Provides a 4.5' narrow pattern in opposite directions.

Ideal for central areas of walkways and planters. (Covers 7 sq. ft.)



Quarter-Circle Mister

(MLM-03)

Provides full 90° coverage in a 4.5' spray pattern.

Recommended for corners of landscape or gardens. (Covers 16 sq. ft.)



Half-Circle Mister

(MLM-04)

Our most popular mister sprays a half-circle pattern.

Ideal for back of landscaped area to mist away from house or sidewalk. (Covers 23 sq. ft.)



Full Circle Mister

(MLM-05)

Spinner provides a 6'-8' full circle spray pattern.

For center of garden or landscape area. (Covers 30-50 sq. ft.)

New 15' Full Circle Spinner MLM-15 (Covers 135-155 sq. ft.)



Down Spray Mister

(MLM-06)

Provides gentle down spray in small 2' - 4' full-circle pattern.

Specifically designed for small garden areas to keep water off rose foliage and to water root zone only. (Covers 13-16 sq. ft.)



Follow These Ten Easy Steps and You'll Be Up and Misting in a Snap!

(Also use these steps for installing the Starter Kit MLK-81)

Step 1

Attach the **Back Flow Prevention Valve (MLF-31)** to your outdoor faucet (if one is not already attached). If your household water pressure exceeds 50 psi, use our **Pressure Regulator (MLA-58)**.



Step 2

Attach the **Hose Fitting (MLF-33)** by threading it onto the bottom of the **Back Flow Prevention Valve**. Tighten firmly. Attach the **1/2" Poly Tubing (MLT-72)** or **(MLT-71)** to the **Hose Fitting**. **Part B:** Simply push the locking collar on the **Hose Fitting** up. Then push the **1/2" Poly Tubing** onto the **Hose Fitting** as far as it will go. While holding the tubing, thread the locking collar of the **Hose Fitting** "Counter-Clockwise" down over the tubing and tighten firmly.



Step 3

Lay the **1/2" Poly Tubing** along the desired path through your garden or landscape. If you plan to run tubing in opposite directions, attach the **Tee-Fitting (MLF-34)** and follow **Part B** of **Step Two** for installation.

*Use **Scissors or Cutting Tool (MLT-CUT)** To Cut Tubing

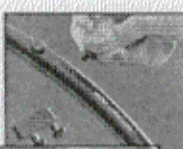


Step 4

*Turn on faucet until water flows gently out of the end of the **1/2" Poly Tubing** to flush out any debris in the line **Before** and **During** the installation of the **Stake Assemblies (MLS-211)**.

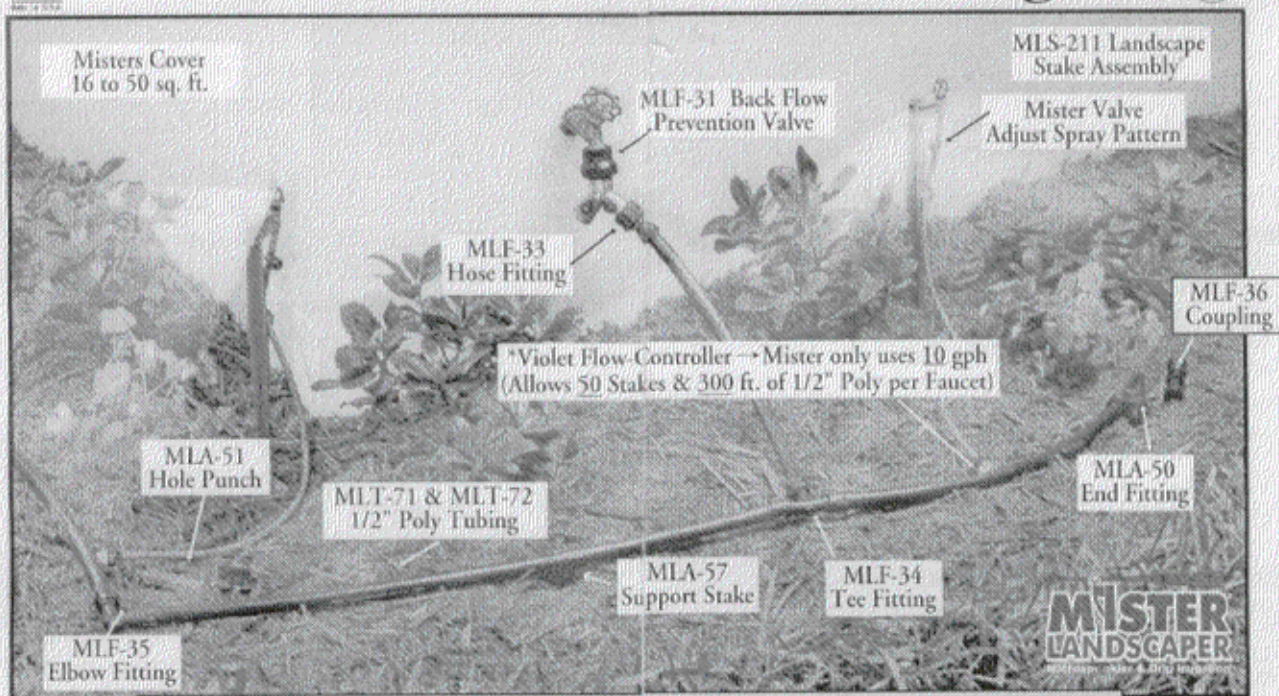
Step 5

First decide where to place the **Misting Stake Assembly**. Then punch a hole in the side of the **1/2" Poly Tubing** using the **Punch Tool (MLA-51)**. Included with the **MLA-51** are **Goof Plugs** used to plug any holes you may have punched incorrectly.





The Alternative to Handwatering®

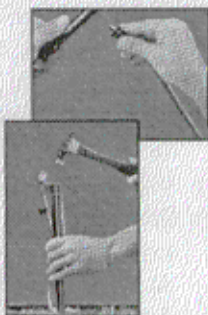


ABOVE GROUND IRRIGATION...SIMPLY COVER WITH MULCH!

"Agriculture Irrigation Used By Commercial Growers Worldwide."

Step 6

Now to install the *Misting Stake Assembly*, simply snap in the *Violet/Black Barbed Adapter* into the punched hole of the *1/2" Poly Tubing*. Next, push the Stake into the ground. Use a hammer if the ground is hard.



Step 7

Once all *Stake Assemblies* are installed, slide the *End Fitting (MLA-50)* about 6" onto the end of the *1/2" Poly Tubing*. Fold tubing over once and slide it back through the open hole of the fitting to crimp the end.



To Winterize: Uncrimp End Fitting and allow water to drain out of tubing.



Step 8

Go back and check your new Misting system. Check each Mister to confirm correct spray direction. Direction is easily adjusted by turning Mister left or right. Also check fittings for leaks, and if a leak is found, repeat steps for installing that fitting.

Step 9

Turn off water, then you may leave above ground or simply cover *1/2" Poly Tubing* with dirt or mulch, if desired. It may also rest above the ground by using the *Support Stakes (MLA-57)* to hold the tubing down.

Step 10

The *Coupling (MLF-36)* also enclosed in your Kit makes it easy to add another Kit or more *1/2" Poly Tubing*. You may also use the coupling to repair tubing if it is punctured or cut.



Approximately 20 Min. Project



Mister Landscaper is the Preferred Low-Voltage Irrigation of

CYPRESS

Use this area to design your Mister Landscaper Watering System

Special Features of Our Stake Assemblies

With the "Violet Flow-Controller," Misters only use 10 gph from varying household water Pressures! (Which allows 50 Stake assemblies & 300ft. of 1/2" Poly tubing per Faucet's with only 40 psi water pressure) Each Stake also comes with 27" of our Flexible Connector Vinyl, a Locking Collar, and a Mister Adjustment Valve to adjust the spray pattern or shut off the water flow. If your household water pressure exceeds 50-60 psi, use our 50 psi Pressure Regulator (MLA-58).



* Suggestion: Place stake assemblies every 6 to 8 ft. apart.

Other Misting Products Available

MLS-23



Mister Riser

MLS-22



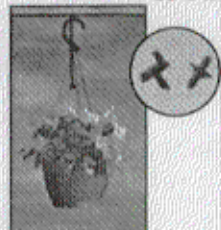
8" Stake
Extension to
Add Height

MLT-S20



Connector Vinyl
with Adapters to
Add Length

Watering Products for Hanging Baskets & Potted Plants:



Pressure Compensating
1gph Drippers with
Barbed Connectors
MLD-PC1



Adjustable Dripper Stakes
with Barbed Connectors
MLD-STA

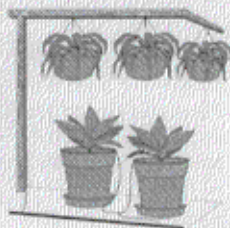
Small Couplers, Elbow, and
Tees for Connector Vinyl Tubing



MLT-ATE



MLT-B30



List the Items you need to purchase
for your Low-Volume Irrigation System.

Quantity	Item#	Quantity	Item#
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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*(Item descriptions on reverse side.)

Mister Landscaper Starter Kit

Everything you need to water 50 Linear feet, all in one inexpensive kit. Includes: 50 ft. 1/2" Poly Tubing, 5 Pre-assembled Stake Assemblies, and all accessories to attach to your water faucet to have a complete system.

MLK-81



Misters

Misters are illustrated on the reverse side.

Misting Landscape Stake Assemblies™

Three pre-assembled stake assemblies with half circle Mister, locking collar, 27" flexible vinyl, Mister Adjustment valve, and pre-set 10 G.P.H. Flow-Controller to snap into 1/2" Poly Tubing.

MLS-21



3 per card

Landscape Stake Assembly™

Pre-assembled stake assembly comes with 27" flexible vinyl, locking collar, Mister Adjustment valve, and pre-set 10 G.P.H. flow-controller to snap into 1/2" Poly Tubing. Thread in the Mister of your choice. Place every 6 to 8 ft. apart.

MLS-211



1 per card

*Mister not included

Violet Flow-Controller (10gph) for Stake Assemblies

Regulates Misters to use only 10 gallons of water per hour (gph). With these devices you can install up to 50 Stake Assemblies per 300 ft. of 1/2" Poly Tubing.

MLS-VFC

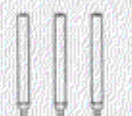


4 per card

8" Stake Assembly Extensions

Adds up to 8 inches of height to the Stake Assembly so that Misters can mist over top of plant or tall foliage.

MLS-22



3 per card

Flow-Controlled Adjustable Mister Risers

Two pre-assembled Mister Risers with half circle Mister, Mister Adjustment valve, and pre-set 10 G.P.H. Flow Controller to thread into 1/2" poly.

MLS-23



2 per card

Flow-Controlled Adjustable Mister Riser

Pre-assembled Mister Riser, Mister Adjustment valve, and pre-set 10 G.P.H. Flow Controller to thread into 1/2" poly. Thread in Mister of your choice.

MLS-231



1 per card

*Mister not included

20' Green Connector Vinyl Tubing with 10 Connector Barb Adapters

Use this Green Connector Vinyl and Barb Adapters to extend the Stake Assembly further away from the 1/2" Poly Tubing.

MLT-S20

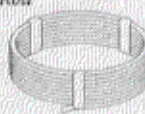


1/2" Poly Tubing (.600x.700)

50' Foot Roll

MLT-71

Connects to your water faucet using the Hose Fitting MLF-33. Runs water supply to Misting Stake Assemblies, Mister Risers, and Drippers.



1/2" Poly Tubing, 100 Foot Roll

MLT-72

Support Stakes for 1/2" Poly Tubing

MLA-57

These Support Stakes hold 1/2" Poly Tubing down close to the ground.



3 per card

1/2" Poly Tube Fittings and Accessories

Back Flow Prevention Valve

This 3/4" hose thread Valve prevents water from flowing back into faucet when water pressure is shut off.

MLF-31



(Not ASSE approved)

1 per card

Hose Fitting with locking-collar

3/4" Hose Thread Fitting connects 1/2" Poly Tubing to either the Back Flow Prevention Valve or any 3/4" Hose Thread Attachment.

MLF-33



(Locking-collar fittings are reusable)

1 per card

Tee Fitting with locking-collars

Lets you run 1/2" Poly Tubing in three directions.

MLF-34



(Locking-collar fittings are reusable)

1 per card

Elbow Fitting with locking-collars

Lets you run 1/2" Poly Tubing around or in tight corners.

MLF-35



(Locking-collar fittings are reusable)

1 per card

Coupling with locking-collars

Use to connect two ends of the 1/2" Poly or use to repair a cut in the 1/2" Poly Tubing.

MLF-36



(Locking-collar fittings are reusable)

2 per card

End Fittings

Securely crimps 1/2" Poly Tubing at the end of the line. Simply uncrimp to winterize or to add on more tubing.

MLA-50



3 per card

Hole Punch With "Goof" Plugs

Punches holes in 1/2" Poly Tubing which allows you to snap in Stake Assemblies. "Goof Plugs" correct mistakes when punching holes in poly tubing.

MLA-51



1 Tool / 4 Goof Plugs Per Card

Filter-Fertilizer Combo Kit - Fertilizes your plants & Filters dirty water for Drip & Mist systems (150 mesh screen). This kit attaches directly to the faucet and connects to 1/2" Poly. The back-flow prevention valve must be used in front of this Filter-Fertilizer.

General Purpose Water soluble fertilizer tablets MLFF-44



Drip Products for Hanging & Potted Plants

Adjustable Drinker Stakes with barbed Connectors

Use these Drinker Stakes to slowly water your potted plants and hanging baskets. These Drinker Stakes can be adjusted to flow between 0 and 10 gallons of water per hour (gph).

3 per card

MLD-STA



Pressure Compensating 1 gph Drippers with barbed Connectors

Use these Drippers to slowly water your hanging baskets and potted plants.

*For attachment, see MLT-B30 below.

MLD-PC1



4 each per card

Small Couplers, Elbows, and Tees for Connector Vinyl Tubing

Use these to attach the Drippers and Adjustable Drinker Stakes from the Connector Vinyl Tubing (MLT-B30) to the 1/2" Poly Tubing.

MLT-AFE



4 each per card

30 ft. - Black Connector Vinyl Tubing

Use this flexible and Professional Quality Vinyl Tubing to extend from the 1/2" Poly Tube to Drippers, Drinker Stakes, and Stake Assemblies.

1 per card

MLT-B30



P.V.C. Retrofit Products

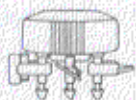
Converting High Volume To Low-Volume Irrigation

1/2" PVC Riser adapter with 6-Outlets, each individually adjustable.

Converts a single sprinkler to 6 Stake Assemblies or Drippers.



MLA-RA6



1/2" PVC x 1/2" Poly Locking-Collar Fitting

Use this 1/2" male pipe thread fitting to connect 1/2" Poly Tubing to a 1/2" female pipe thread fitting.

MLA-P2P



1 per card

PVC to 3/4" Male Hose Thread Fitting

Use PVC solvent to weld this fitting over 1/2" PVC pipe or inside a 3/4" PVC fitting. To connect this fitting to 1/2" Poly Tubing, use the hose fitting (MLF-33).

MLA-56



Q. *What happens as my plants grow taller than my Misting Stake Assembly?*

A. Use the Stake Extensions (MLS-22) to add up to extra 8" to the height of the Stake to help Mist over the plants.



Q. *What if I prefer not to use the Misting Stake Assembly?*

A. Use the Flow-Controlled Adjustable Mister Riser instead and get all the same benefits except for the Stakes' flexibility of movement.



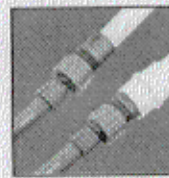
Q. *How do I move my Stake Assemblies further away from the 1/2" Poly Tubing?*

A. Use the Connector Vinyl tubing and barbed connectors to extend the Stake Assemblies from the 1/2" Poly Tubing.



Q. *How do I connect Mister Landscaper to an existing PVC system?*

A. Use the PVC to Hose Thread fitting (MLA-56) to attach to the Hose Fitting (MLF-33) with the 1/2" Poly Tubing.



OR

Use the 1/2" Flow-Controlled PVC Shrub Adapter (MLA-54). Thread it onto a 1/2" PVC Riser and use the Mister of your choice.



OR

Use the 1/2" PVC Riser Adapter (MLA-RA6) with 6-Outlets, (each is individually adjustable). Converts a single Sprinkler to 6 Stake Assemblies or Drippers.



OR

Use the 1/2" MPT x 1/2" Poly Locking Collar fitting (MLA-P2P). This 1/2" Male pipe thread fitting connects 1/2" Poly to a 1/2" female pipe thread fitting.



Q. *Is Mister Landscaper easy to install?*



A. Absolutely! It was designed for homeowners like you and hooks up to an ordinary outdoor faucet. The starter kit takes only 15-20 minutes to install!

Q. *Where can I use it?*

A. Mister Landscaper is ideal for landscaped areas, shrubbery, rose and other flower beds, trees and gardens of all kinds.

Q. *How long a line can I run from one faucet?*

A. With a household water pressure of 40psi* or more, you can run a line of 1/2" Poly Tubing up to 300ft. with a Misting Stake Assembly every 6 feet. (50 Stake Assemblies)

*To learn your water pressure, call your water company.

Q. *How much water does it save?*

A. Up to 90% compared to high-volume systems. Each stake assembly uses only 10 gallons of water per hour (gph).

Q. *How much area does each Mister cover and will it spray my house and sidewalk?*

A. About a 4'-6' radius. A variety of Misters with different spray patterns are available from Mister Landscaper so you can choose the right Misters for the right areas. There are Misters which spray half-circles, quarter-circles, full-circles, etc. so you can customize your landscape, or use the Mister Valve on the Misting Stake Assembly to adjust the pattern.

Q. *When should I water and how long should I water?*

A. Early morning "Misting" is most effective for watering landscape and gardens allowing water to absorb into soil. Depending on the type of soil, climate conditions, and variety of plants, we recommend that you "mist" every other day for 15-30 minutes. This may vary!



Q. *How do I fix a Mister that won't Spray?*

A. During Installation the Mister and Violet Flow-Controller may have become clogged with debris. Use either a small paper clip or needle to unclog the debris from the orifice. If your water supply has hard or dirty water, use a screen filter like the Mister Landscaper Filter (MLFF-41).

Q. *What tools do I need?*

A. Scissors may be needed to cut the 1/2" Poly Tubing or connector vinyl, but that's all you need.

Q. *Can I run the tubing under a sidewalk or existing sod?*

A. **Under the Sidewalks:** To install the Poly Tubing under a sidewalk, simply use a garden hose with water on at full pressure to tunnel underneath.

Under Grass or Sod: For burying the Poly Tubing under existing sod, use a lawn edger to wedge the Poly Tubing underneath the sod.

