

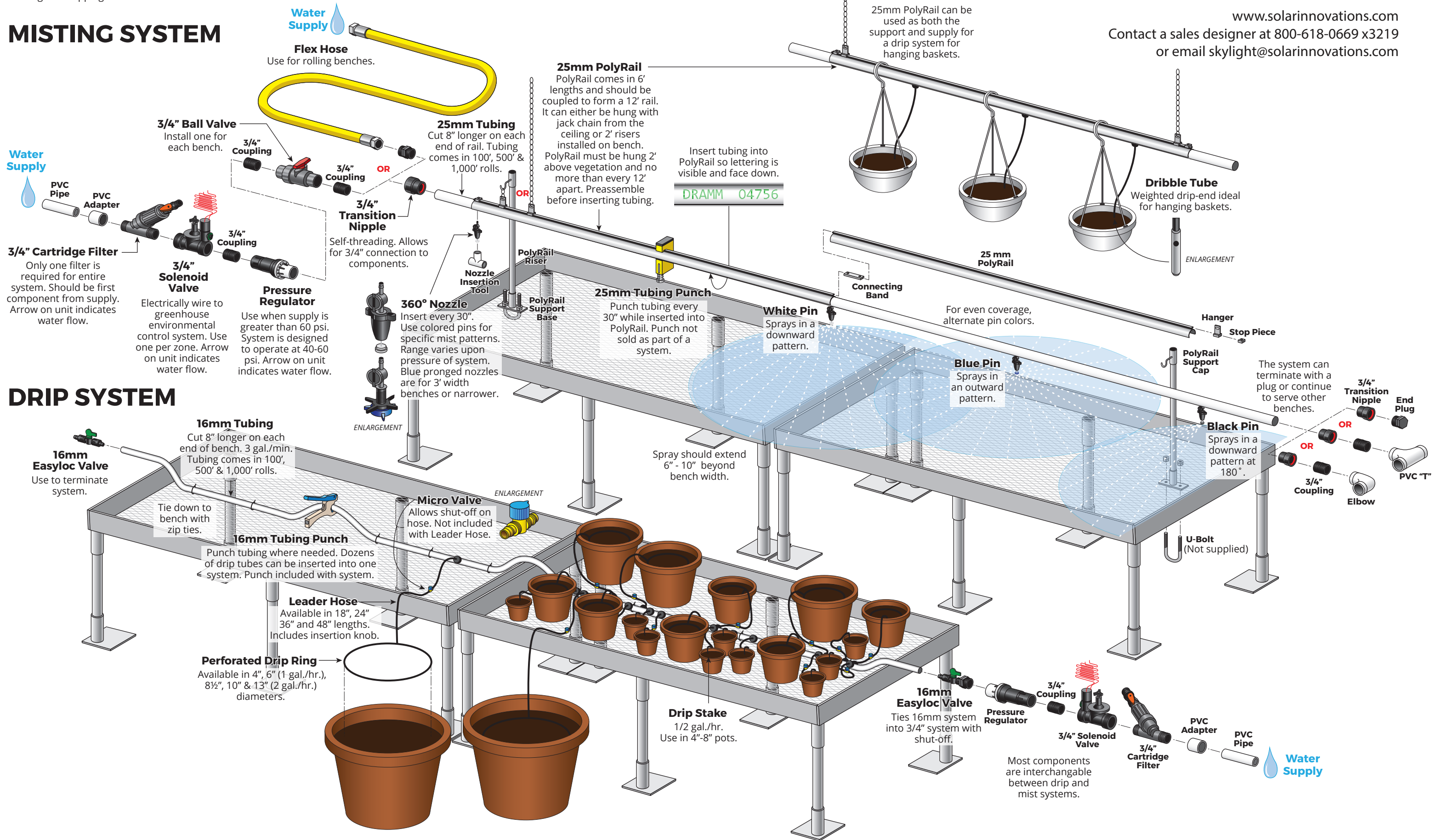
Mist and Drip Irrigation Systems

All components require application of teflon tape and only need to be hand-tightened. Misting and dripping are not recommended on same line.

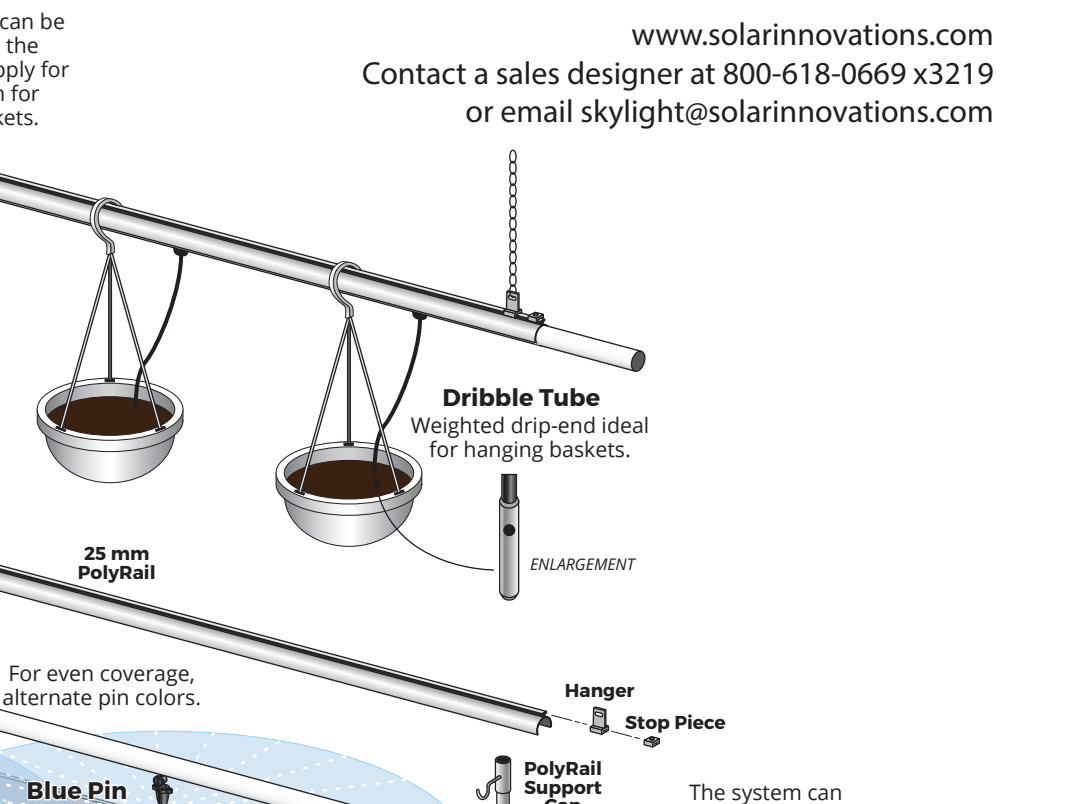
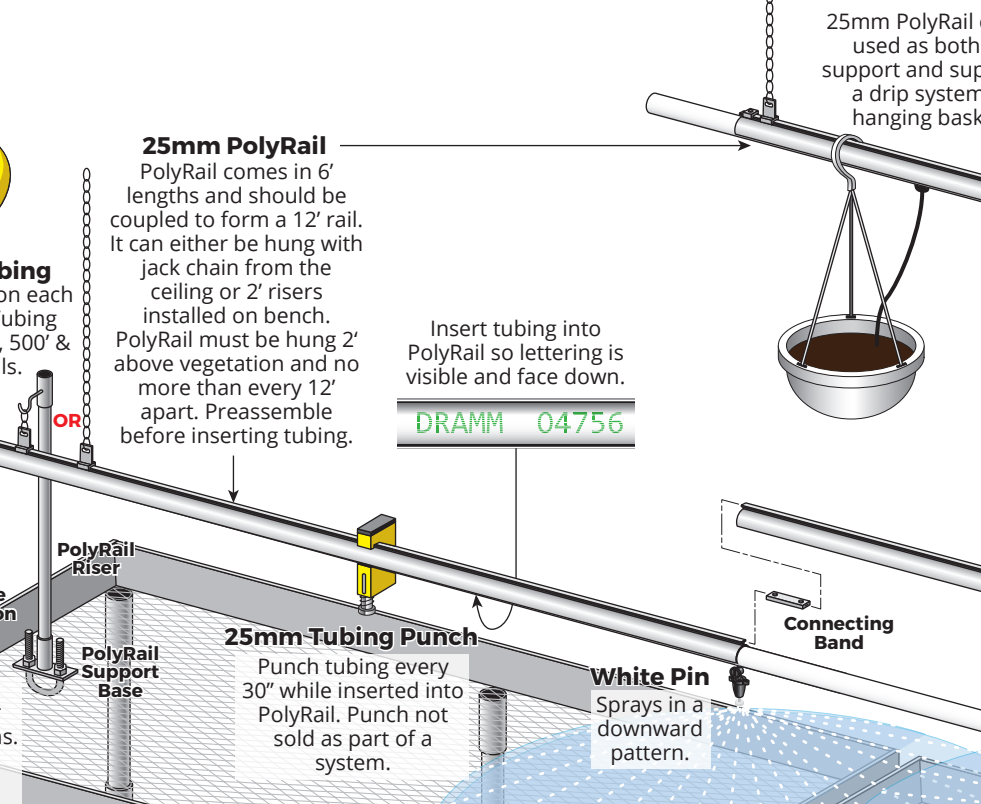
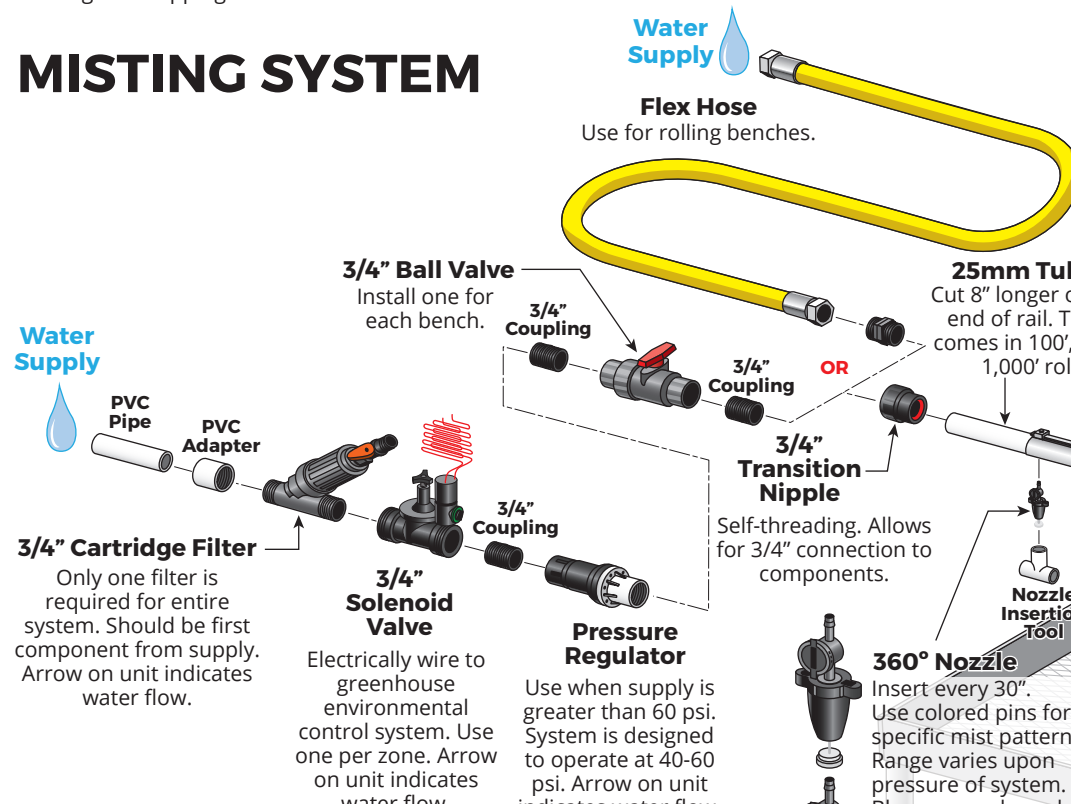
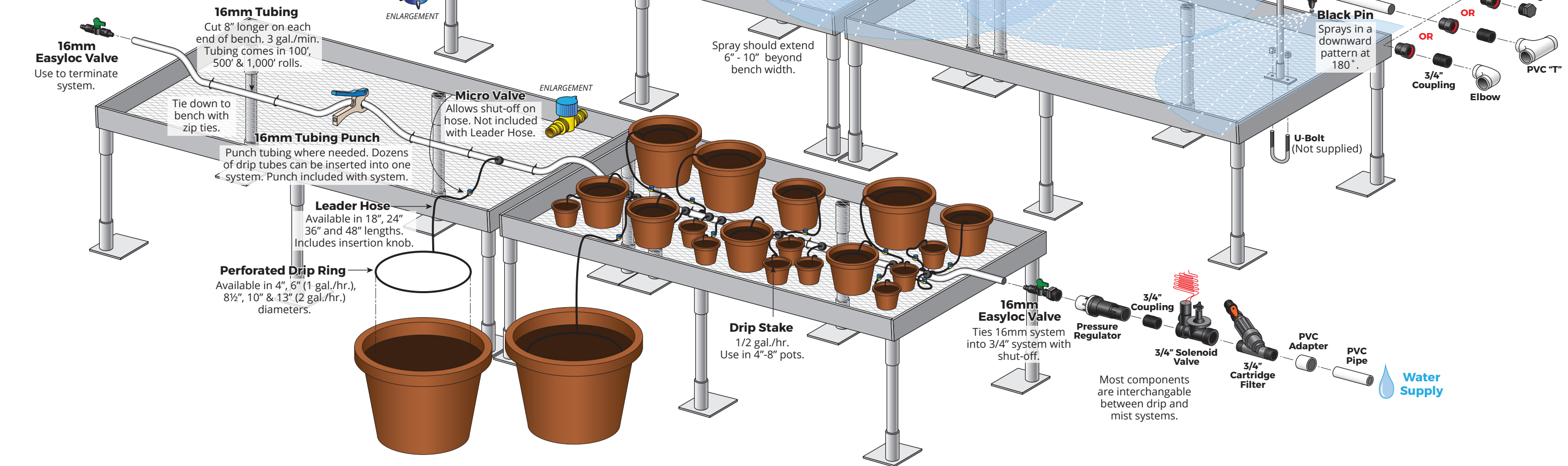
www.solarinnovations.com

Contact a sales designer at 800-618-0669 x3219
or email skylight@solarinnovations.com

MISTING SYSTEM



DRIP SYSTEM



- 3/4" Transition Nipple
- 3/4" Coupling
- End Plug
- 3/4" Coupling
- Elbow
- PVC "T"

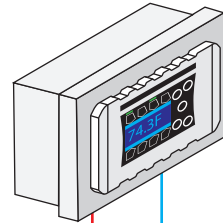
Most components are interchangeable between drip and mist systems.

Two-zone misting and drip irrigation system

An automatic watering system can regulate the flow of water and nutrients to your plants without the grower being onsite. Misting and drip systems are the types that are used most often in greenhouses.

Environmental Control System

Irrigation can be time-controlled or function through the use of sensors. An Environmental Control System can also monitor temperature, CO₂ levels and humidity and operate accessories such as heaters, evaporative coolers, vents and circulation fans.



ZONE 2: DRIP SYSTEM

16mm Easyloc Valve
Use to terminate system.

16mm Tubing
Cut 8" longer on each end of bench. 3 gal./min. Tubing comes in 100', 500' & 1,000' rolls.

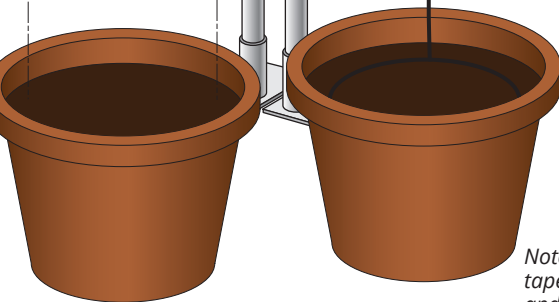
Tie down to bench with zip ties.

16mm Tubing Punch
Punch tubing where needed. Dozens of drip tubes can be inserted into one system. Punch included with system.

Leader Hose
Available in 18", 24", 36" & 48" lengths. Includes insertion knob.

Perforated Drip Ring
Available in 4", 6" (1 gal./hr.), 8½", 10" & 13" (2 gal./hr.) diameters.

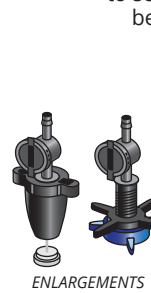
Drip Stake
½ gal./hr. Use in 4"-8" pots.



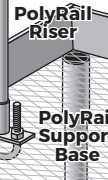
ZONE 1: MISTING SYSTEM

25mm Tubing
Cut 8" longer on each end of rail. Tubing comes in 100', 500' & 1,000' rolls.

End Plug
The system can terminate with a plug or continue to serve other benches.



360° Nozzle
Insert every 30". Use colored pins for specific mist patterns. Range varies upon pressure of system. Blue pronged nozzles are for 3' width benches or narrower.



25mm Tubing Punch
Punch tubing every 30" while inserted into PolyRail. Punch not sold as part of a system.

25mm PolyRail
PolyRail comes in 6' lengths and should be coupled to form a 12' rail. It can either be hung with jack chain from the ceiling or 2' risers installed on bench. PolyRail must be hung 2' above vegetation and no more than every 12' apart. Preassemble before inserting tubing.

Insert tubing into PolyRail so lettering is visible and face down.

DRAMM 04756

White Pin
Sprays in a downward pattern.

For even coverage, alternate pin colors.

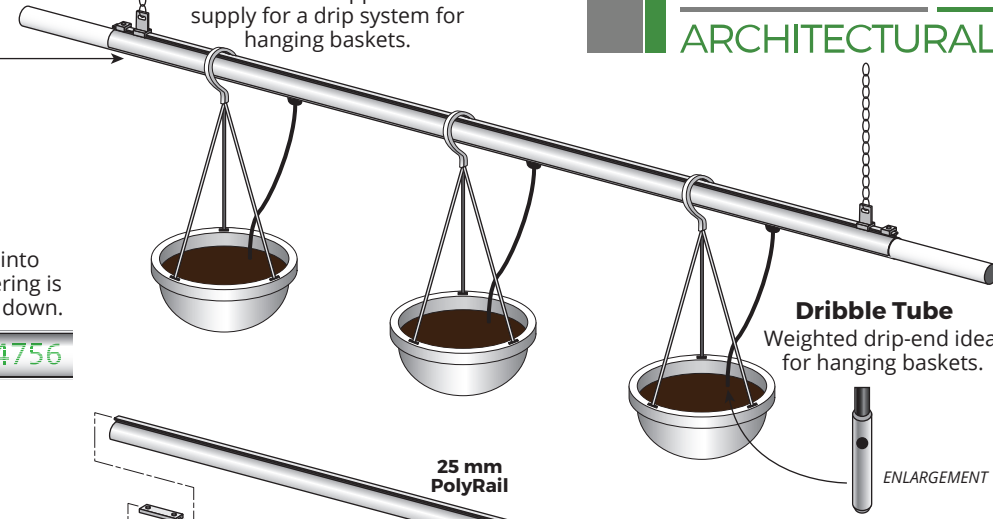
Blue Pin
Sprays in an outward pattern.

Black Pin
Sprays in a downward pattern at 180°.

Most components are interchangeable between drip and mist systems.

Spray should extend 6" - 10" beyond bench width.

25mm PolyRail can be used as both the support and supply for a drip system for hanging baskets.



Dribble Tube
Weighted drip-end ideal for hanging baskets.

ENLARGEMENT

¾" Transition Nipple

Self-threading. Allows for ¾" connection to components.

¾" Ball Valve
Install one for each misting bench.

¾" Solenoid Valve

Hanger

PolyRail Support Cap

Stop Piece

U-Bolt
(Not supplied)

¾" Cartridge Filter
Only one filter is required for entire system. Should be first component from supply. Arrow on unit indicates water flow.

16mm Easyloc Valve
Ties 16mm system into ¾" system with shut-off.

¾" Solenoid Valve
Electrically wire to environmental control system. Use one per zone. Arrow on unit indicates water flow.

Pressure Regulator
Use when supply is greater than 60 psi. System is designed to operate at 40-60 psi. Arrow on unit indicates water flow.

Water Supply



solarinnovations.com
Contact a sales designer at
800 618 0669 x3219
or email skylight@
solarinnovations.com

Note: All components require application of teflon tape and only need to be hand-tightened. Misting and dripping are not recommended on same line.