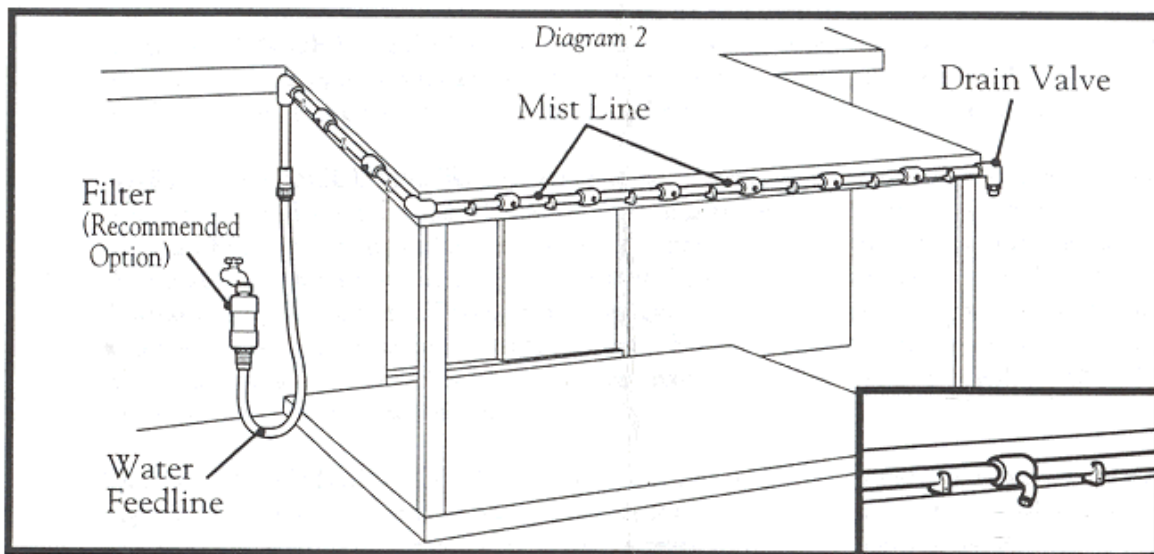


USEFUL TIPS FOR MIST SYSTEM LAYOUT

For the most effective cooling:

1. Mist line is placed around the perimeter of the area to be cooled. This forms a "mist curtain," a cooling barrier between the protected area and the outside heat.
2. Mist nozzles are placed 24" apart for mist lines mounted 8' to 10' above the ground. Nozzle spacing should be shortened if mist line is mounted higher.
3. For a deep patio (more than 12' deep) mount the pipe on the inside of the fascia board with nozzles directed slightly downward into the patio for the most effective cooling. This will result in better cooling, but may result in some residual moisture buildup during cooler temperatures or more humid conditions.
4. For a shallow patio (less than 12' feet deep) mount the pipe on the outside of the fascia board with nozzles positioned slightly down and outward.
5. If your mist line will require more than one 90 degree elbow, purchasing a PVC cutter is recommended to allow for cutting 1/2" PVC in exact lengths required.

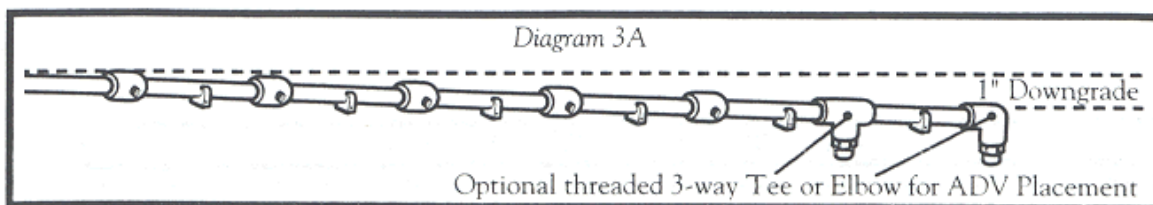


Mist System Assembly and Installation

REMEMBER: Read all instructions before assembly

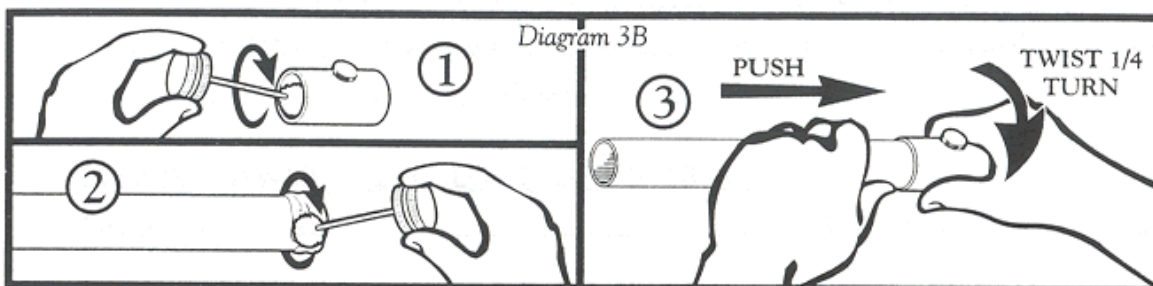
Mist Line Assembly Preparation and Planning

- Make sure each section of precut PVC and Split Sections are completely free of debris. Remove any PVC shavings from outside edges and interior of pipes/fittings, then flush with air or water to clean thoroughly.
- Lay out your system before cementing together and do the following:
 1. Predetermine hanging position of mist line, inside or outside of patio fascia, then mark the surface with a chalk line. For proper drainage the mist line should have a 1" downgrade from the highest point(s) to the lowest point(s) of your mist line. (Diagram 3A)
 2. Determine where 90 degree turns must be made if you are assembling a mist line around or inside a corner. It is recommended that you build the separate straight sections first and connect them together with the supplied 90 degree elbow after they are mounted to the fascia. Additional 90 degree elbows may be required.
 3. Measure the lengths needed for straight runs of mist line.
 4. Placement for Automatic Drain Valve(s)—An Automatic Drain Valve must be installed at the lowest point(s) of your mist line to insure proper water drainage when mist system is not in use and to prevent premature nozzle clogging. This can be done at the end of the mist line with the threaded elbow provided or by purchasing a 1/2" threaded PVC 3-way Tee to install drain valve in mist line if there are multiple elevations. (See Diagram 3A)
 5. Determine where you will connect water source to mist line. This is your Water Feedline.



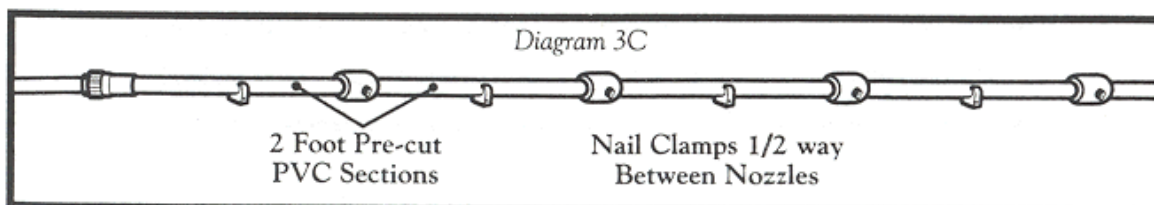
Mist System Assembly and Mounting

- Assemble straight sections of mist line. Connect the pre-cut sections of pipe using the AZ Mist Split Sections and the PVC cement by liberally applying the cement to the inside of the fitting and the outside of the pipe (See Diagram 3B). Insert pipe into fitting and twist 1/4" turn (See Diagram 3B) to evenly spread the cement as each piece is cemented together and provide a water-tight seal. Each section should begin and end with a piece of straight PVC. Keep in mind automatic drain valve placement.
- Be sure that split sections are cemented in place so that all threaded nozzle openings are aimed in the same direction. (See Diagram 3C)



Mounting System. Before mounting, snap one hanging clamp onto PVC between each split section of prebuilt mist line. Place assembled mist line along your marks with first nozzle beginning approximately 2 feet from the house and nail hanging clamps into place (Diagram 3C). Repeat this step until all straight sections are hung.

- Join all sections at corners by cementing 90 degree elbows into place at corners using the same cementing process as described above. Be sure that mist line is positioned at proper angle for misting—this will be the permanent position of mist line once cement has dried. (Diagram 3C)



- **Water feed line.** To attach feedline, cement a 90 degree elbow at the start of mist line closest to water source. Point the elbow down towards water source, cement remaining pre-cut 2' section of PVC into elbow, and then cement PVC hose adapter to the other end of pre-cut PVC pipe section. (If a longer PVC feedline is desired, purchase 1/2" paintable UV treated PVC pipe in the length desired)
- **End of Mist Line.** To end mist line chose one of these two methods:
 1. If this is the lowest point in the mist line cement the threaded PVC 90 degree elbow to end of pre-cut PVC pipe section facing downward. (Automatic Drain Valve will be placed here *after* mist line has been flushed)
 2. If this is not the lowest point in the mist line, cap the end by cementing a 1/2" PVC cap (not included in kit—must be purchased separately).
- **ALLOW A MINIMUM OF 1 HOUR DRYING TIME BEFORE FLUSHING SYSTEM OR MISTING.**
- **Water Connection/Flush System/Begin Mist Operation** Attach sediment filter (not included in kit) to the water spigot, then attach water feedline between filter and mist line. Turn on water full pressure for a few minutes to flush out any dirt or debris from within the mist line. Turnoff water, hand thread nozzles in threaded split section openings (Hand tighten only), and thread Automatic Drain Valve(s) into threaded opening of threaded 90 degree elbow and/or 3-way Tee. Turn on water and begin misting!