WARNING: Read all instructions and check kit contents before beginning assembly.

PARTS LIST
If items are missing, please return to the place of purchase, or call Orbit® Customer Service at (800) 488-6156.

<table>
<thead>
<tr>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
<td>½-in PVC Pipe</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Mist Fitting</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Elbow</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Coupling</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>End Cap</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Hose Adapter</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Mounting Clips</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Mist Nozzle</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Automatic Drain Valve</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Hose Washer</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>PVC Cement</td>
</tr>
</tbody>
</table>

PRE-INSTALLATION TIPS
- The most efficient placement for a mist system is around a perimeter of an outdoor area, this will form a mist curtain.
- Purchasing a PVC cutter is recommended to allow for cutting ½-in PVC in exact lengths.
- For mist systems mounted 8-ft to 10-ft above the ground, position the nozzles 24-in apart. Nozzle spacing should be shortened if the mist system is mounted higher by cutting the PVC pipe shorter.
- For a patio or deck more than 12-ft deep, mount the pipe on the inside of the fascia board with the nozzles facing downward into the area. If the area is less than 12-ft deep, mount the pipe on the outside of the fascia board with nozzles positioned slightly away from the area.
- Determine where you will connect to your water source and figure out how you want to combine the pieces of the kit to create your system.
- When installing onto a metal material, you will need to purchase self-tapping sheet metal screws to use in place of the nails.

MIST SYSTEM ASSEMBLY
Read through all the instructions before beginning installation. Once the PVC pipe and fittings are cemented together, they cannot be disassembled.

1. Measure and mark the hanging location of the mist line to determine the length needed for each straight run. The placement of the first misting nozzle should be 2-ft from the fence.
2. Make sure all parts are completely free of debris. Remove any PVC dressings from both the interior and outside edges of each piece, then flush with air or water to clean thoroughly.
3. Assemble the water feed line using the hose adapter, two PVC pipes, one coupling and one mist fitting. The automatic drain valve will be installed here.
4. Assemble the horizontal portion(s) of your mist system using the remaining PVC pipes and mist nozzle couplings.

NOTE: Depending on the layout of your system, you may have extra fittings left over.
5. Connect the end cap to the end of the misting system.
6. Secure the joints with the PVC cement following the steps outlined in the section Cementing PVC Fittings.
7. Mount the mist system following the steps outlined in the section Mounting Mist System.
8. Join all sections, including the water feed line, at corners by cementing elbows into place.
9. Allowing a minimum of 1 hour drying time.
10. Connect the system to a standard garden hose and turn on the water at full pressure to flush the system for several minutes.
11. Turn off the water and hand-thread mist nozzles and automatic drain valve into place.
12. Turn on the water to pressurize the system and begin misting!
CEMENTING PVC FITTINGS

1. When assembling your mist system ensure that the mist fittings are all facing in the same direction.

2. Liberally apply cement to the inside of the fittings and the outside of the PVC pipe.

3. Insert PVC pipe into fitting and twist ¼ turn to evenly spread the cement and provide a water-tight seal.

MOUNTING MIST SYSTEM

WARNING: Two people are required to mount the system to prevent the mist line from breaking.

1. Snap one mounting clip over the middle of each section of PVC pipe.

2. Place assembled mist line along your marks with the first nozzle beginning approximately 2-ft from the house.

NOTE: Be sure that mist line is positioned at the proper angle for misting.

3. Nail mounting clip into place. Repeat these steps until all straight sections are hung.

MIST SYSTEM MAINTENANCE

- Drain water from the mist system when not in use.

NOTE: If an automatic drain valve has not been installed, detach the system at the water source and allow the water to drain completely.

- Periodically clean the nozzles in the system using nozzle cleaner (Model 10103) for optimal performance.

- A calcium inhibitor filter (Model 10109W) can be used to prevent any solid sediments from passing from the water source to nozzles.

- Remove nozzles at the end of the summer season.

- To keep the mist line free from debris in the off season, install nozzle plugs (Model 10151L) in place of the misting nozzles.

- Before reinstalling your nozzles the following year, flush the system for 5 minutes.

- Flush the mist line if the system has been idle for over a month.

TROUBLE SHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leak at fittings</td>
<td>The fitting must be cemented, or not and threaded or re-cemented.</td>
<td>Test fitting with cement, ensuring a water-tight seal.</td>
</tr>
<tr>
<td>Leak at misting nozzle</td>
<td>Nozzles were not installed correctly.</td>
<td>Make sure the nozzle is installed correctly.</td>
</tr>
<tr>
<td>Misting system will not spray</td>
<td>Faulty nozzle</td>
<td>Check to make sure the nozzle is not broken.</td>
</tr>
<tr>
<td></td>
<td>Clogged nozzle</td>
<td>Clean nozzle with nozzle cleaner or remove debris left from inadequate flushing of mist line by blowing out with air.</td>
</tr>
</tbody>
</table>

SYSTEM EXPANSION

The PVC Mist Cooling System can easily be expanded from the original kit of 6 nozzles/12-ft of mist line to 125 nozzles/250-ft (dependent upon your available water pressure) by adding additional mist nozzle fittings (Model 10112H) and sections of ½-in paintable UV-treated PVC pipe. Additional PVC pipe and fittings can be found at your local retail store.

ADDITIONAL ACCESSORIES

Model 1106H - Flexible nozzle extensions may be used to allow for complete nozzle adjustment even after your system is installed. These 6-in extensions will also allow your system to be mounted inside the fascia with the nozzles extended below the fascia for a more attractive installation.

WARRANTY AND STATEMENT

Orbit® Irrigation Products, Inc. warrants to its customers that its Orbit® products will be free from defects in materials and workmanship for a period of four years from the date of purchase. We will replace, free of charge, the defective part or parts found to be defective under normal use and service for a period of up to four years after purchase (if of product requested). We reserve the right to inspect the defective part prior to replacement. Orbit® Irrigation Products, Inc. will not be responsible for consequential or incidental cost or damage caused by the product failure. Orbit® liability under this warranty is limited solely to the replacement or repair of defective parts.

Questions please call: 1-800-488-6156 or 1-801-299-5555

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MISTING NOZZLE MOUNTING CLIP