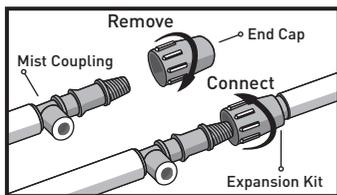


SYSTEM EXPANSION

The Preassembled Basic Mist Cooling Kit can easily be expanded from the original kit of 6 nozzles/12-ft of mist line to 25 nozzles/50-ft (dependent upon your local water pressure available). Simply unscrew end cap from last fitting and attach the extension kit.



ADDITIONAL ACCESSORIES

Additional supplies can be found at your local retail store.



Model 20050- Preassembled Mist Expansion Kit- Expands the Basic kit by 10-ft

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 [proof of purchase required]. 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

Working Water Pressure Min 45 to 123 PSI (Min 3.1 to 8.5 Bar)
www.orbitonline.com



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PN 20030-24 rC



Preassembled MIST COOLING KIT

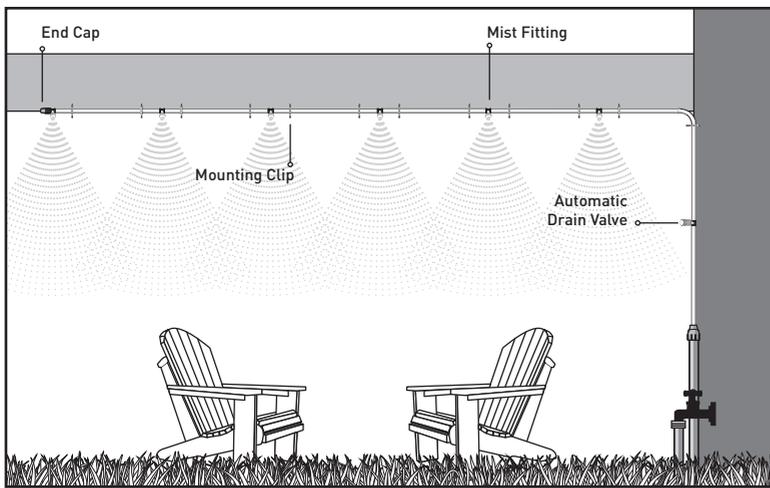
USER'S GUIDE

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

PARTS LIST

Part	Qty	Description
	1	22-ft Preassembled 3/8-in Flexible Mist Line - Includes 10-ft of feed line, 7 fully rotatable fittings inserted in tubing at 24-in increments, a hose adapter and a threaded end cap
	6	Mist Nozzle
	12	Mounting Clips
	1	Automatic Drain Valve

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



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.
- For optimal misting, mount mist line 8-ft to 10-ft above the ground.
- Predetermine your mist system location and where it will attach to the water source. It is recommended that the system be mounted on the bottom of your supporting structure.

MIST SYSTEM INSTALLATION

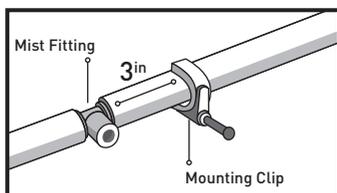
1. Connect the system to a standard garden hose or faucet and turn on the water at full pressure to flush the system for several minutes.
2. Turn off the water and hand-thread mist nozzles and automatic drain valve into place.

NOTE: The automatic drain valve should be installed at the end of the feed line for most installations. This will automatically drain off excess water from the line when water is turned off, reducing calcium build up in the nozzles. After the system is mounted, if there are multiple elevation changes, more than one drain valve may be needed (Model 10115H).

3. With mist line still attached to water source, turn on the water to pressurize the system and inspect each fitting for proper installation. Should any fitting leak, see Troubleshooting for instructions.

NOTE: Water will shoot from the drain valve when the water is turned on. The valve will shut off when the line is pressurized.

4. Turn off water and disconnect the mist system to mount the system. Begin by placing one of the hanging clips over the mist line 3-in from the first fitting with a mist nozzle.



5. Nail mounting clip into place.

NOTE: The first misting nozzle in your mist system should begin 2-ft from any structure.

6. Continue placing a hanging clip 3-in on each side of each fitting and hammering in place.

NOTE: Pull tubing slightly while applying each clip to avoid sagging in mist line.

7. Reconnect system to water source and turn on water to pressurize the system and begin misting.

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 10107L) 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.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Leak at misting nozzles	Nozzles were not installed correctly	Make sure the nozzle is sufficiently tightened into place. HAND TIGHTEN ONLY. DO NOT USE TOOLS
	Faulty nozzle	Check to make sure the nozzle O-ring is in place
	Clogged nozzle	Clean with nozzle cleaner and/or remove debris left from inadequate flushing of mist line by blowing out with air
Misting system will not spray	Water source is turned off	Turn water completely on
	Clogged nozzles	Clean nozzles (see maintenance section) — Do not attempt to clean by sticking foreign objects into nozzle opening. This will result in nozzle damage.
Leak in tube	Crack in the tubing	Tubing must be replaced where the leak has occurred