

Performance Outdoor Cooling 1/2" Misting System

Instructions

IMPORTANT: READ ALL INSTRUCTIONS AND CHECK KIT CONTENTS BEFORE BEGINNING ASSEMBLY.

Performance Outdoor Cooling 1/2" Misting System Contents List

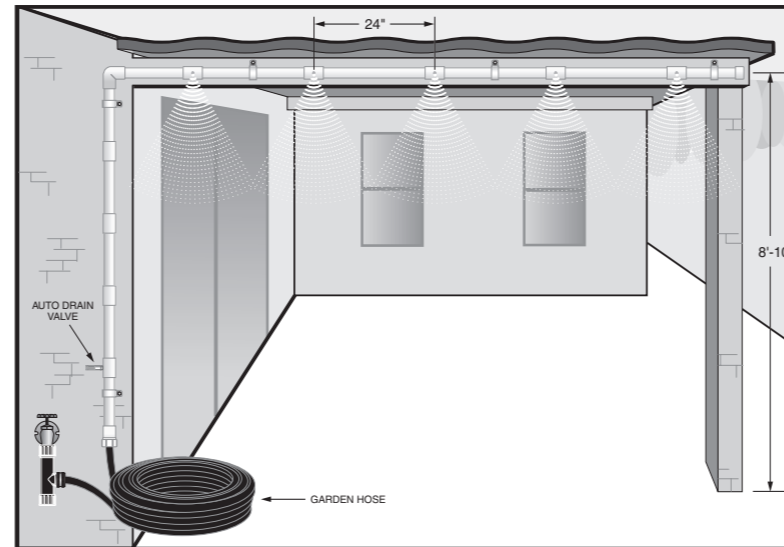
PART	QUANTITY	DESCRIPTION
	1	15' of 1/2" UV-Treated Flexible PVC Feed Line - Includes brass hose adapter with washer and expandable male brass fitting
	1	10' of 1/2" UV-Treated Flexible PVC Mist Line - Includes 5 rotatable brass fittings, 1 expandable female brass fitting, 1 expandable male brass fitting, and 1 brass threaded end cap
	5	Brass Misting Nozzles
	10	1/2" Hanging Clamps with Nail
	1	Thumbscrew - Used to adjust angle of mist nozzles
	1	T Filter
	1	Auto Drain Valve
	1	Hose Washer

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. For optimum misting, mount mist line 8' to 10' above the ground.

Patio Drawing



This illustration shows the proper installation of a mist system.

Before Installation

1. Flush mist line

Before screwing nozzles into fittings, connect the hose adapter to garden hose or spigot. Turn on the water for a few minutes to flush out any dirt or debris from within the mist line.

2. Plan the location

For best results, lay mist line on the ground below the area of installation. The first nozzle in your mist system should begin 2' from the house or patio cover.

Installation

1. Attach mist line to water source

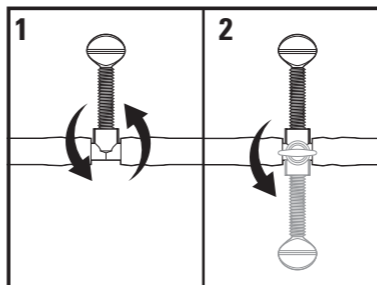
Connect the hose adapter to the outdoor spigot or garden hose.

2. Adjust angle of fittings (optional)

It is recommended that the misting nozzles be placed at a 45 degree angle towards the ground. To achieve this angle, use the thumbscrew provided. Thread the thumbscrew into the opening of the fitting. Hold mist line in one hand. With other hand, use thumbscrew to rotate threaded fittings to the desired angle.

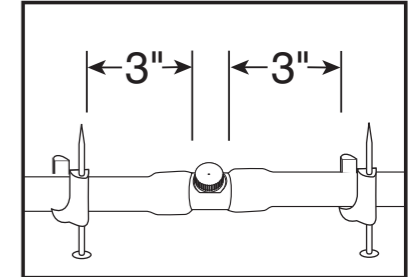
3. Install the mist nozzles

Carefully screw in the mist nozzles, making sure the O-ring is properly seated. Hand tighten only.



4. Mount the system to the bottom of the roofline fascia

Begin by placing one of the hanging clamps over the mist line 3" from the first nozzle and another 3" to the opposite side of the nozzle (see illustration). Continue placing clamps the same way for each fitting, pulling tubing slightly as you progress from fitting to fitting to avoid sagging in mist line.



Maintenance

1. Drain water from mist line

Whenever the mist system is not in use, the residual water should be drained to minimize nozzle clogging. Detach the system at the water source and allow the water to drain completely.

2. Clean mist nozzles periodically

Remove nozzles from the mist line and place nozzles in a container of vinegar or Orbit /Arizona Mist nozzle cleaner (Item # 10103) for at least 30 minutes. Stir or shake nozzles in vinegar or nozzle cleaner every few minutes to help loosen debris. (Nozzles can be left in solution overnight.) Or, remove hose adapter from spigot and pour household vinegar into empty mist line. Reattach to water source and mist the vinegar through the line, tapping the nozzles gently with the head of a screwdriver to loosen any sediment that may have accumulated. **WARNING:** Do not place any toxic cleaner in mist line and allow to mist. Use only household vinegar or biodegradable/nontoxic Orbit /Arizona Mist nozzle cleaner for this recommended cleaning process.

3. Important




Never attempt to clean nozzles with pins, nails, or other metal objects, as they can damage the misting orifice.

4. Preparing for winter

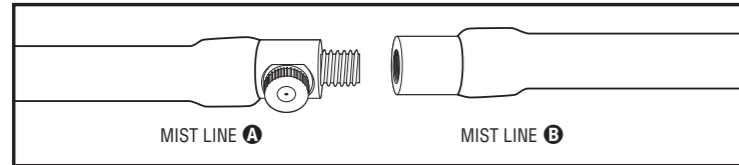
Disconnect the mist line from the water source, remove, clean, and dry each nozzle. Store in a safe dry place.

Picture	Part #	Product Description
	10103	Nozzle Cleaner—8 oz. bottle. Used to dissolve mineral deposits that can clog misting nozzles
	10109	Calcium Inhibitor Filter—Attaches directly to 3/4" hose bibb. Reduces nozzle clogging by reducing sediment build-up in system
	10218	Maintenance Kit—All maintenance accessories are included in this one complete kit. 10103 - Nozzle Cleaner 10109 - Calcium Inhibitor Filter 10115 - Automatic Drain Valve Bonus - Nozzle Cleaning Brush

Additional Accessories Available:

Picture	Part #	Product Description
	10056	Nozzle Extensions (5 pk)—flexible tubing allows for versatile direction of mist
	10106	Brass and Stainless Steel Mist Nozzles (5 pk)—use to replace existing nozzles
	10107	Plugs (5 pk)—Use to close off mist outlets where mist is not needed

To obtain additional Orbit /Arizona Mist accessories or products, please contact your local retailer or contact Orbit Irrigation at www.orbitonline.com or call (800) 488-6156.



Expanding Your System

1. Add an additional mist line

You may increase your mist coverage by adding a second Performance Outdoor Cooling 1/2" Misting System. Unscrew the end cap off Performance Outdoor Cooling 1/2" Misting System A. Next, unscrew the feedline (the first 15' section of tubing) from the mist line (tubing with brass fittings & mist nozzles) of Performance Outdoor Cooling 1/2" Misting System B. Connect the end of the mist line of Performance Outdoor Cooling 1/2" Misting System A to the beginning of the mist line of Performance Outdoor Cooling 1/2" Misting System B by threading the male and female brass fittings together.

Troubleshooting

1. Clogged nozzles

See maintenance instructions.

2. Leak at hose adapter

Inspect O-rings for damage or improper seating.

3. Leak at nozzle

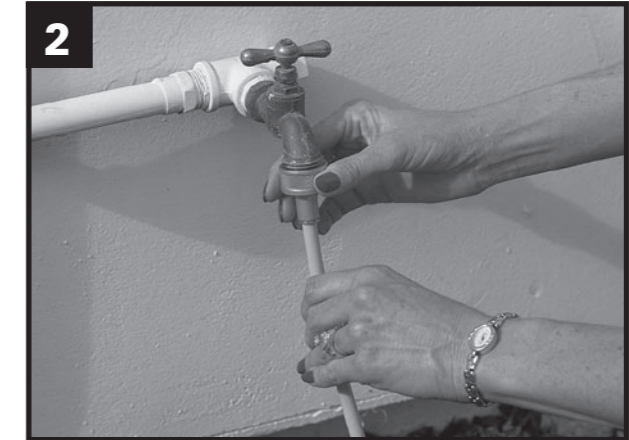
Inspect O-ring for damage or improper seating or partially clogged nozzle opening.

Warranty and Statement

Orbit® Irrigation Products, Inc. warrants to its customers that its Orbit/Arizona Mist 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.

To exercise your warranty, return the unit to your dealer with a copy of the sales receipt.

Questions please call: 1-800-488-6156 or 1-801-299-5555
www.orbitonline.com



Register your product online at www.orbitonline.com

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P/N 30081-24 Rev D

CLIENT APPROVAL

Please read and check the proof carefully, especially addresses and phone numbers. If you OK errors which are on this proof, Fluid Studio cannot be held responsible. All corrections should be clearly marked. Signature implies entire document is approved.

Client Signature _____ Date _____

- OK As Is OK With Corrections
 Make Corrections & Supply New Proof

DES **FS** SPCK **XX** AD **XX**

JOB # **AZM001890** VERSION # _____

DATE **09/05/06**

OF PAGES IN PROOF **2**

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FLUID STUDIO

FILE: **AZM001890 30081-24 RD.INDD**

CLIENT: **ORBIT**

UPC: **046878**

DIMENSIONS W: **14** H: **8.5** D: **XX**

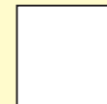
SPECIAL INSTRUCTIONS: _____

801-295-9820 • FAX 801-951-5815
1065 SOUTH 500 WEST LEVEL 2, BOUNTIFUL, UTAH 84010

COLORS



NOT USED



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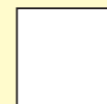
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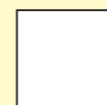
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