

## **Maintenance**

Once a season check the Misting Heads for calcium build-up and clean or replace, go to: [www.mist-er-comfort.com](http://www.mist-er-comfort.com) for recommendations.

Questions please refer to website [www.mist-er-comfort.com](http://www.mist-er-comfort.com) or call (888) MIST 370

## **PRODUCT LIMITED WARRANTY**

Mist-er-Comfort warrants that Mist-er-Comfort's products shall be free of defect in materials and workmanship under normal use within the operating specifications for a period of **one (1) year** from the date of purchase provided that:

- A. The above warranty shall not apply to any such product part thereof which is damaged as a result of neglect, misuse, alteration, accident, normal wear and tear, misapplication, fire, act of God, freezing, hot water, chemical, flammable or salt water;
- B. Purchaser's exclusive remedies under the above warranty shall be limited to the repair or replacement of the non-conforming product or part(s) thereof, as determined by Mist-er-Comfort.
- C. Any non-conforming product must be returned to Mist-er-Comfort within one (1) year from its purchase.
- D. The warranty contained above does not extend to any goods not manufactured by Mist-er-Comfort even though supplied by Mist-er-Comfort. Goods not manufactured by Mist-er-Comfort carry only the warranty (if any) of their makers and the Purchaser is entitled to the benefit thereof only so far as Mist-er-Comfort has the power to transfer it;
- E. Mist-er-Comfort shall not be liable for any special, indirect, or consequential damages;
- F. **IMPORTANT NOTE:** Mister Nozzles have orifices as fine as human hair, hence bad water that has sediment and or hard water would drastically affect its performance of the nozzles by getting its orifices clogged.

### ***BE SURE TO DRAIN TUBING AFTER EACH USE... NOT DOING SO WILL VOID THE WARRANTY.***

There are no two water sources alike, hence it is the sole responsibility of the customer to protect his or her nozzles from getting clogged by installing the proper sediment or polyphosphate filter upstream from the misters, so they would be protected against sediment and lime buildup (if need be). When several nozzles get clogged together that is an obvious indication the water source is bad. If nozzles are subjected to bad water and they get clogged because of that, the misting system can not be returned. The warranty does not cover clogging due to sediments or lime build-up.

- G. All our orders are shipped economy class via UPS or USPS. There is an extra charge for Air and Express deliveries.
- H. Product design can change at anytime without notice.
- I. Return shipping and handling cost is to the expense of the customer/buyer.

### **Return defective items to:**

**Mist-er-Comfort Inc.  
5703 Red Bug Lake Road #103  
Winter Springs, FL 32708  
(888) 647-8370**



## **INSTALLATION & OPERATING INSTRUCTIONS**

### **RV KIT # 3003**

Mist-er-Comfort's Kits are designed to simply attach to any RV awning providing hours of comfort during those HOT DAYS!

The entire System is a low pressure system and has been specifically designed to meet the stringent and safety requirements of the outdoors. The System is based on the theory of evaporative cooling; creating an ultra fine mist that instantly flash evaporates. Customers have reported on a hot summer day it has dropped the temperature by up to 25 degrees.

**The following instructions are designed to help you easily install the Kit # 3003**

### **Kit # 3003 includes:**

- 125 psi Booster Pump with spark arrestor
- Special T Adapter to connect into Fresh Water line
- Special Quick Disconnect Valve to connect to RV awning
- In-line strainer
- Automatic Drain Valve
- Connectors/Reducers
- 35 feet of pressure misting tubing
- 2 Completely assembled misting bars
- 2 pivot joints for awning support arm
- Various connectors

### Tools Required:

- Phillips Screw driver
- 5/8" Open end wrench
- Drill with 1/2" and 3/8" Drill bits
- Sharp knife or cutter
- Wire and Switch

### There are three main layout considerations:

1. Location of FRESH water tank drain.
2. **Automatic Drain Valve (ADV) should never be installed below the level of the fresh water tank.**
3. Available Auxiliary Switch to turn on/off Misting Pump.
4. Awning installation

### Layout Considerations:

1. Carefully unpack box and separate packages/items.
2. Locate water tank and drain. A 1/2" fresh water tank adapter T is provided to install between the fresh water tank drain and the drain valve. In the package you'll find a T for 1/2 inch flexible hose. There are some RV manufactures that use 15mm plumbing, if you determine you have 15mm, please call, we can supply you with a 15mm T. If you cannot determine the tube size or if you cannot locate the tank and drain tubing, please consult with manufacture or a professional. Cut plumbing and insert Tee. Use clamp to secure in place.
3. Insert 1/4" tubing into the newly installed water tank adapter T and route tubing to where the misting pump will be mounted.
4. Find a good location for the misting pump, it should be near the tank or existing pump but can be located up to 4 feet above tank. Install pump using # 10 stainless steel screws (not included). Install the TWO 3/8" thread to 1/4" quick connect couplers on the inlet and outlet side of the pump.
5. Install in-line strainer within 6 inches of the inlet side (non-pressure side) of the misting pump. Cut tubing and insert tubing into strainer (you should feel it stops). IMPORTANT look at arrow on the strainer it must point towards the pump.
6. Install the tubing on the outlet side of the pump then install the ADV anywhere on the pressure side of the newly installed misting pump but it should be five feet below any misting heads. We found it to be easily installed on the bottom of the awning support arm which allows it to drain outside of the camper. The ADV allows gravity to release water from misting tube to prevent clogging. Note the ADV will drain each time the misting system is turned off.

**The ADV should never be installed below the TOP level of the water tank.**

### Awning installation

**You are now ready to install the Misting Bar onto the awning. The best time to install tubing is after it has had time to sit out in the sun to soften.**

1. Misting bar misting heads are spaced at 24". We recommend you cut a 24" piece of tubing and insert the tubing between the misting bars. Using a straight edge knife and NOT a scissor. Make sure it goes in all the way to prevent leakage (you'll feel it bottom out).
2. Determine the shortest distance to the location of the tank and use the closest awning support arm to route the misting tube. At the top of the awning support arm drill a 1/2 inch hole on the inside to install the quick connect coupler (see photo).
3. The tubing connects to the coupler as a flare nut. Slide nut onto tubing, push tubing onto coupler slide nut towards coupler, then use a wrench to tighten nut (don't over-tighten).
4. Center the misting bars on the awning. One end of the misting bar connect the tubing to go back to pump. On the other end of the two misting bars insert plug to terminate.
5. Open clip packet install screw through clip with ridge inside clip tighten screw. Peel backing from dual lock and center on adapter. Repeat for second clip. Place the two clips with 3M dual-lock adhesive onto each misting bars. With the "center point" lined up locate the clip mount points on the awning and clean with rubbing alcohol. Remove sticky back of the adhesive pads and secure them in place.
6. Enclosed in your kit is an elbow and a swivel joint. Slide tubing down the awning support arm to the first pivot point. Connect the elbow at that point. Continue up to the next joint point and install the swivel joint to allow the tubing to bend freely.
7. Continue the tubing down the awning support arm. Install ADV at the base. Drill 3/8" hole into the side of the camper to gain access to the pump compartment. Insert rubber grommet then insert tubing. Use a silicone spray on tubing to allow the tubing to slide through the rubber grommet. Insert end of tubing to the output of the misting pump.

### Wiring Booster Pump

#### **Important: USE RV GRADE APPROVED WIRE**

Connect appropriate RV wire between newly installed Booster Pump and auxiliary power switch to turn on/off pump. The 12 volt DC pump has a maximum draw of 2.3 amps at start up.

Now you're ready to Get COOL: First you may want to run the system without the misting heads to clean the line; once you see water from all head locations install heads. Turn on the new misting system switch. It may take a few minutes to fill the system with water. Look for leaks if you see any then turn off the switch and reseal the connections.