



OEM MARINE INSTALLATION INSTRUCTIONS **FOR 2300 & 2400 SERIES SYSTEMS**

The entire System is a low pressure system and has been specifically designed to meet the stringent and safety requirements of the Marine Industry. The System is based on the theory of evaporative cooling; creating an ultra fine mist that instantly flash evaporates. **ITS IMPORTANT NOT TO EXCEED 300PSI RATING OF OUR SYSTEM. COUPLERS HAVE BEEN TESTED AT 300PSI CAPACITY.**

The following instructions are designed to help you easily install either:

- **Kit # 2301 for boats with ½" flex hose fresh water plumbing**
- **Kit # 2320 for boats with ½" PEX fresh water plumbing**
- **Kit # 2330 for boats with 15mm fresh water plumbing**

All Kits includes:

- 35 feet of UV rated pressure misting tubing
- 4 Removable Stainless Steel Misting Heads and Stems
- 4 UV rated installation grommets
- 3 misting "T" unions
- 1 misting elbow union

There are three main layout considerations:

- Location of FRESH water tank.
- Where to mount misting pump.
- Area to be misted.
- What surface are the misters to be mounted.

Layout Considerations

- Use fresh water pick-up "T" from kit. Cut and insert the "T" into the plumbing coming directly from fresh water tank. It's important the "T" is gravity fed with water as well as laying flat to eliminate air lock. The "T" needs to be located at or below the lowest point of the tank level. Note: the "T" should be on the "non-pressure" side of the plumbing.
- Follow Diagram A to see how pump, strainer, and Automatic Drain Valve (ADV) are connected. (Note ADV has blue tip)
- It is important to locate the ADV in a low point of the boat (as low as possible below the misting heads but above the level of the tank). The ADV relies on gravity to release water from the system. It's also important to place ADV in wet area. It's designed to release water when the system is being turned on or off. The purpose of the ADV is to drain the tubing and heads of water to prevent clogging of the misting heads. So it normal for the ADV to squirt water when the pump is turned on or off.

9050

Tools Required:

- Phillips Screw driver
- 4 Stainless Steel # 10 Screws with washers
- Drill with 3/8" Drill bit
- Sharp knife
- Marine wire and marine switch to match your console switches (if needed)

The instructions below reviews concealed misting heads in the hard tops. Refer to our misting bar instruction manual for installations on bimini tops, canvas T tops, or towers.

Hard Top installations using UV Rubber Grommets

1. **Determine the best locations for misting heads, it is suggested not to space them any closer than 2 feet apart and not directly on top of guests.**
2. **When considering locations of misting heads we suggest following the wire raceways from the engine compartment (where the misting pump should be located) to the top where the heads will be located.**
3. **It's important to consider how to get access to the couplers on the back of the misting heads. We suggest misting heads could be located within a few inches of normal access ports such as lights or speakers. They are normally spaced perfectly in hard tops.**
4. **Drill 3/8" hole; insert UV Rubber Grommets in the hole. Insert misting stem into grommet and attach either a tee or elbow union to the misters from the inside or back side (make sure you hear or feel it bottoms out on each pressure union).**
5. **The elbow union is used as the last misting head. The tee union is used to couple other misting heads.**
6. **Wait to install misting heads.**
7. **Using a straight edge knife and NOT a scissor, cut the misting tube to go between each tee and elbow union. Insert tubing into ¼" union fitting, make sure it goes in all the way to prevent leakage, (you'll feel it bottom out into place)**

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

If you need to remove and reinstall Misting head; carefully unscrew the head.

When re-installing Misting Head: carefully align the threads and **ONLY HAND TIGHTEN** (do not use tool).

USING EXCESSIVE FORCE TO TIGHTEN MISTING HEAD WILL CAUSE DAMAGE TO MISTER AND WILL VOID WARRANTEE.

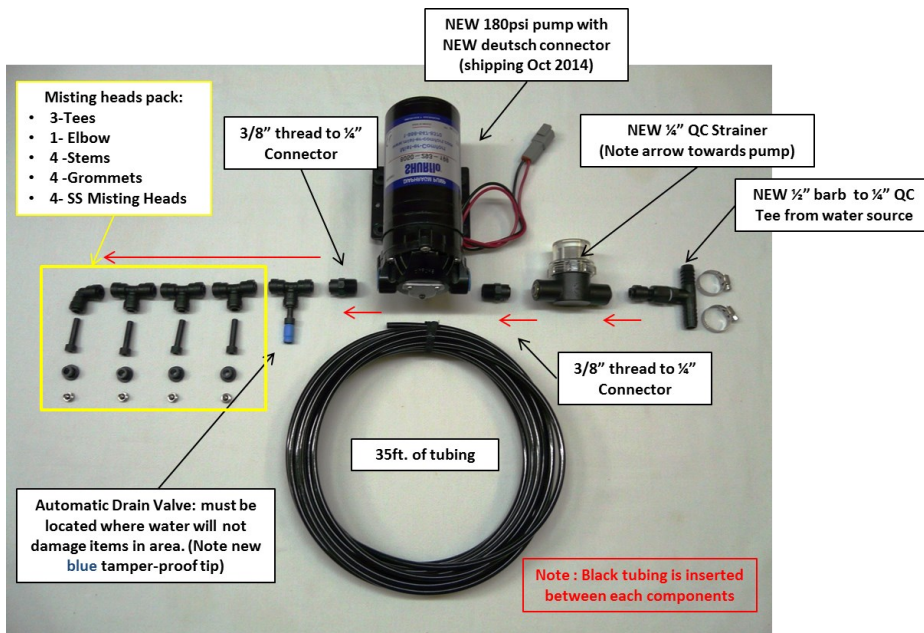
Wiring Booster Pump

Important: USE MARINE GRADE APPROVED WIRE

The pump is a 12VDC operates at 2amps. Use marine grade wire to meet requirements. Locate a fused accessory switch with red being positive and black being negative.

NOW YOU'RE READY TO TEST THE SYSTEM: BEFORE YOU SCREW IN THE MISTING HEADS PURGE THE SYSTEM TO REMOVE ANY DIRT FROM INSTALLATION. TURN ON THE FRESH WATER PUMP. IT MAY TAKE A FEW MINUTES TO FILL THE SYSTEM WITH WATER. LOOK FOR LEAKS IF YOU SEE ANY THEN TURN OFF AND RESEAT THE CONNECTIONS.

NOTE: THE ADV WILL CONSTANTLY SQUIRE WATER BECAUSE IT WILL NOT REACH PROPER PRESSURE. INSTALL MISTING HEADS AND TEST MISTING PRESSURE AND MAKE SURE ADV SEALS.



Maintenance

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

Questions please refer to website www.mist-er-comfort.com

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 build-up (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**