

# AERO MIST OWNER'S MANUAL

Congratulations on the purchase of your new misting pump. With proper care and maintenance, your misting pump will provide dependable service for many years. Read through and understand these instructions before beginning installation. Please call us if you have any questions.

**Position of unit** – Place pump on a secure level surface where it is reasonably protected from dust, dirt, mud, water and impact shock. This pump is an outdoor rated unit. We do not suggest and will not be liable for pumps or damage to buildings and/or its contents if pumps are installed in attics, above garages, in basements or other indoor locations. Proper drainage area is necessary when using the drain valve or if pump has a failure. It is recommended to change the filter housing every 2-3 years and pump oil (for 1000 PSI pumps) every 500 hours or 2 years whichever comes first.

## PUMP OPERATING INSTRUCTIONS

Each Aero Mist pump is tested and inspected prior to shipping from our facility in Phoenix, AZ. The pressure is set at the optimum performance and should not need adjustment. Typical operating pressure ranges are from 150 – 1000 PSI (**Do not** exceed the PSI rating for your pump.).

Follow these steps after the mist/fog tubing is installed to flush the tubing of debris before the nozzles are placed into the nozzle ports:

1. Place pump on a level surface preferably concrete or a concrete pad **outside**.
2. For 1000 PSI direct drive pumps, remove the black cap from the top of the pump head and replace it with the red breather cap. If the pump has the red breather cap already installed, remove the black plug from the breather hole.
3. Connect tubing to high pressure manifold or check valve.
4. Connect garden hose adapter to water source and turn water on.
5. Plug pump in to proper outlet then turn pump switch to on position. The motor will turn on and begin to pressurize the water. Within a few seconds, water should begin jetting out of the first set of nozzle ports. The pump will not build to full pressure until all of the nozzles are screwed into the nozzle ports.
6. Turn the pump off and screw nozzles in the first 4-5 nozzle ports where you saw the water coming out.
7. Turn the pump on again and continue this process until the entire line is flushed out. Sometimes it is beneficial to leave the last nozzle out and flush the line for a minute or two. After placing the last nozzle in the port, return to the pump.
8. Remove the plug on the bottom of the check valve/manifold and replace with the drain valve supplied in the bag attached to the pump. This is not a nozzle and is designed to open and close automatically due to water pressure.

At the end of the misting season, disconnect the water source to the pump, empty the water from the filter housing. Store the pump in a place that will not be affected by a freeze. Aero Mist is not responsible for parts damage due to a freeze or subsequently any property damage caused by said freezing. To winterize the mist line, remove all nozzles and drain all water from the mist lines.

## TRUBLE SHOOTING GUIDE

Problem	Solution
No water flow	Make sure water is on De-press relief valve to release air pocket in pump
Loss of pressure	Check mist lines for leaks Are all of the nozzles in place?
Erratic Pressure	Air in water line – remove last nozzle and flush line again. Remove piston caps and flush pump head
Motor Stopped	Check breaker Motor or Pump froze – need repair Motor damage and over amping – need repair

<p><b>LIMITED WARRANTY ON AERO MIST, INC., PUMPS AND OTHER AERO MIST, INC., PRODUCTS</b></p> <p>AERO MIST, INC., as a manufacturer shall warrant manufactured misting components, excluding nozzles, to be free of defects in workmanship for one (1) year to the original purchaser, and each new direct drive pump or other product of its own manufacture, for a period of one (1) year and pulley pumps for period of two (2) years from the date of shipment from the factory, to be free from defects in material and workmanship under normal use and service. "Normal use and service" means not to operate in excess of recommended maximum speeds, pressures, temperatures (140 F) or handling fluids not compatible with component materials. This warranty does not apply to any pump or other product which has been repaired or altered to affect the performance or reliability of the pump or other product.</p> <p>Neither this warranty nor any implied warranty apply to damage or harm caused by any or all of the following:</p> <ol style="list-style-type: none"> <li>1. freight damage</li> <li>2. damage from freezing or cavitation, by accident, fire, natural disaster, chemicals, improper installation, or unusual characteristics of water supply, such as mineral and calcium buildup.</li> <li>3. damage caused by parts and/or accessories or components not obtained from or approved by AERO MIST, INC.</li> <li>4. any consequential or incidental damages, other than injury to the person arising from the use of any pump or other product manufactured by AERO MIST, INC., except in states that do not allow the exclusion or limitation of incidental or consequential damage.</li> <li>5. damage due to misapplication and/or misuse. The use of a solution greater than 140 F or a fluid with pH less than 7 or greater than 9 could be a misapplication of our pumps. CONSULT FACTORY for specific material compatibility recommendations for applications outside of this pH range. Numerous coating choices for aluminum and Stainless Steel components as well as various elastomer choices are available at extra cost.</li> </ol>	<p>6. normal wear of moving parts or components affected by moving parts.</p> <p><b>7. USE WITH FLAMMABLE MATERIALS IS ABSOLUTELY FORBIDDEN!</b></p> <p>The liability of AERO MIST, INC., under the foregoing warranty is limited to the repair or replacement (at AERO MIST, INC.'s option) without charge for labor or materials of any parts upon return of the entire pump or other product or of the particular part to the AERO MIST, INC., factory within the warranty period, at the sole expense of the purchaser, which part shall upon examination appear to AERO MIST, INC.'s satisfaction to have been defective in material or workmanship.</p> <p>AERO MIST, INC., expressly warrants its pumps and other products as above stated. There are no other express warranties. Any implied warranties, including implied warranty of merchantability or of fitness for a particular purpose, are limited in duration to one year from the date of purchase by the original purchaser except in states that do not allow time limitations on implied warranties. There is no implied warranty of fitness for a particular purpose or merchantability when this product is put to an industrial, commercial or rental use.</p> <p>No person including any dealer or representative of AERO MIST, INC., is authorized to make any representation or warranty concerning AERO MIST, INC., products on behalf of AERO MIST, INC., or to assume for AERO MIST, INC., the obligations contained in the warranty. AERO MIST, INC., reserves the right to install the same upon its existing products or products then in process or manufacture.</p> <p>This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.</p>
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