



## Warranty and Statement

Advanced Misting Systems, warrants to its customers that Advanced Misting Systems products, excluding nozzles, to be free of defects in materials and workmanship for a period of (1) year from the date of purchase to the original purchaser. With customers proof of receipt Advanced Misting Systems will fix or replace the defective part or parts. Advanced Misting Systems reserves the right to inspect the defective part or parts prior to replacement. Advanced Misting Systems will not be responsible for consequential or incidental cost or damage caused by the product failure. Advanced Misting Systems, liability under this warranty is limited solely to the replacement or repair of defective parts.

Neither this warrant nor any implied warranty applies to damage or harm caused by any or all of the following:

1. Freight damage
2. Damage cause from freezing, fire, natural disaster, improper installation, chemicals, unusual characteristics of water supply.
3. Damage caused by parts and/or accessories or components not obtained from or approved by Advanced Misting Systems
4. Damage due to misapplication and/or misuse.
5. Normal wear of moving parts or components affected by moving parts
6. Use with Flammable Materials is Forbidden.

The liability of Advanced Misting Systems, under the foregoing warranty is limited to the repair or replacement (at Advanced Misting Systems' option) without charge for labor or materials of any parts upon re-turn of the entire pump or other product or of the particular part to the Advanced Misting Systems, factory within the warranty period, at the sole expense of the purchaser, which part shall upon examination appear to Advanced Misting Systems satisfaction to have been defective in material or workmanship.

Advanced Misting Systems, 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.

No person including any dealer or representative of Advanced Misting Systems, is authorized to make any representation or warranty concerning Advanced Misting Systems, products on behalf of Advanced Misting Systems, or to assume for Advanced Misting Systems, the obligations contained in the warranty. Advanced Misting Systems, reserves the right to install the same upon its existing products or products then in process or manufacture. This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.

### CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. California law requires this warning to be given to customers in the State of California.

## *Installation Instructions*

# 150 PSI BOOSTER PUMP KIT 20 NOZZLE NYLON TUBE SYSTEM MODEL 50027-20



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## Operation Overview

The Advanced Misting Systems 150PSI Pump takes ordinary home water pressure which is normally about 50PSI for most homes and “boosts” it up to 150PSI. The higher water pressure created by the pump enhances mist cooling and heat absorption in two ways. First, it produces a higher flow of water through the nozzle. More water being expelled from the nozzle means more cooling. Second, it creates a smaller finer mist droplet which allows the droplet to evaporate more quickly. Better evaporation means better cooling.

There are many applications for 150PSI Booster Pump Kit by Advanced Misting Systems. Applications include, Patio Cooling for Homes and Restaurants, Greenhouses, Humidification, Dust control, Odor control and many more.

### Caution, Warning and Safety Instructions:

1. **Outdoor use ONLY!** Not for use indoors
2. **Install pump in a suitable place to prevent property damage in the event a leak should occur.**
3. Turn water off and disconnect power to the unit when not in use for extended periods of time.
4. Plug pump into 110 volt GFCI protected outlet.
5. Do not place pump in or in damp or wet environments.
6. Feed system with potable cold water supply only. Do not connect pump to hot water supply.
7. Do not expose pump to freezing temperatures. When winterizing disconnect pump from power and water supply and store in a dry safe place. Make sure all water is drained from the system to prevent damage in the event of a freeze.

## INSTALLATION INSTRUCTIONS

1. Mount pump on wall in an outdoor location that is not in a damp or wet environment.
2. Verify 110 Volt power supply is GFCI protected.
3. Verify water feed to pump location is potable cold water supply only.
4. Connect cold water feed to pump inlet and connect nylon tubing to pump outlet.
5. Proper installation of the mist line requires mounting the nylon tubing around the bottom outside edge of the fascia, header or beam of the patio structure. Properly installed mist lines create a curtain of mist around the open air sides of the patio which cools the air as it enters the patio. Nozzles should be placed two feet apart and should spray out into the open air. Do not install nozzles where the spray may hit the patio, structure or surrounding objects as water damage can occur. You will want to keep nozzles 12” to 18” inches away from columns, structures and windows.
6. This system uses quick connect style fittings. Simply, cut the tubing at the desired point and push and twist the fitting on to the end of the tubing. Check to see the fitting is secure by gently pulling on the nylon tubing to make sure it is secure.
7. To release the tubing from the fitting you can use your hands or place a wrench over the tubing where it goes into the fitting and press the collar of the fitting back against the body of the fitting and pull the tubing free.
8. Before installing the nozzles in the system flush system by turning the pump on and run water through the system without nozzles to expel any debris that may have entered into the line during installation.
9. While the system is flushing, begin installing the nozzles. Hand tighten nozzles. Start by installing the nozzles in the fittings closest to the pump first and work your way back to the end of the mist line. Note: you will need to turn the pump off when you get to the last 2-3 nozzles.

### LIST OF ALL ENCLOSED PARTS

Item ID	Item Description	Qty.
50027	Misting Pump 150 PSI 120 Volt	1.
52014	Misting Nozzle 10/24 x .014	20
52505	Calcium Inhibitor Filter	1
52345	1/4"x3/8" Plastic Male Adapter	1
26102	Hose Adapter 3/4" x 3/8"	1
52340	1/4" Plastic Nozzle Union	20
56425-75	1/4" Nylon Tubing 75Ft Roll LP	1
52329	1/4" Push Lock End Plug	1
65186	Mini Tube Cutter	1
56374	Coated Clamp 1/4"	25
52602	Screw	25
52603	Plastic Anchor	25

