Comfort Zone Misting Pump

Operational and Installation Guidelines

Please read these Operational and Installation Guidelines before installing the Booster Pump. If additional help is needed, please consult the factory.

CAUTIONS:
1. The pump is equipped with a valve which controls the maximum operating pressure. Never subject the pump to pressures above 125 PSI (8.5 bars).
2. Never operate the pump in a harsh environment or hazardous atmosphere, since motor brush and switch may cause electrical arcing.
3. Pumphead materials are designed for use with water only. Do not use with petroleum products.
4. As long as there is feed water pressure, the pump will not stop forward flow of water even if the motor is turned off. Be sure the system has positive means of shutting off water supply.
5. Always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an electrician. Electrical wiring should only be done by a qualified Electrician per Local and State Electrical Codes.

MOUNTING:
A. The pump should be mounted in a dry place and away from any source of heat. If an enclosure is used, special provisions for cooling the motor may be necessary. Consult the factory.
B. Do not subject the pump to extreme high or low (freezing) temperatures while in operation. (Operating ambient temperature range is 32°F to 115°F).
C. The pump may be mounted in any position. If “ceiling mounted”, however, with the pumphead upside down, air entrapment may reduce the operational performance by up to 15%. Consult Factory for ceiling mount solutions.
NOTE: Do not install pump in engine compartment.

PLUMBING:
A. We recommend use of flexible tubing with proper pressure rating.
B. Pump will prime only if all pressure is relieved from the outlet port.
C. It is recommended that an in-line sediment filter (150 micron or 100 mesh) be installed at the inlet side to keep foreign debris out of the system.
D. Avoid any sharp bends which may crimp tubing and restrict flow.

ELECTRICAL:
A. The pumps are designed for continuous duty. If used for intermittent duty cycle, make sure that “off” periods are greater than 60 seconds.
B. If a power supply is used with the system that is not furnished by Taylor, it will need to be installed by a professional.

NOTE: Taylor Made has no control over shipping, handling and installation, the warranty cannot cover water damage, or any other damage, caused by a leak or other malfunction.

Taylor Made Products
65 Harrison Street
Gloversville, NY 12078
A Member of The Taylor Made Group
www.taylormadeproducts.com

1 Year Limited Warranty

TAYLOR MADE PRODUCTS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, NOR FOR ANY DAMAGES OR REMEDIES NOT SPECIFICALLY SET FORTH IN THIS WARRANTY. TAYLOR MADE PRODUCTS SHALL NOT BE LIABLE, IN THE EVENT, FOR ANY DAMAGES IN EXCESS OF THE COST OF THE PRODUCT. Some states do not allow the exclusion or limitation or consequential damages, so the above limitation or exclusion may not apply to you.
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL NOT BE EXTENDED BEYOND THE DURATION OF THE EXPRESS WARRANTIES HEREIN. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
All potentially defective products must receive a Return Goods Authorization (RGA) # before they are returned to Taylor Made Products. Products returned without an RGA# will be refused, and the product will be returned to sender. To receive an RGA#, call us at 1-800-628-5188. All products returned to us MUST be accompanied by a proof of purchase, without exception. Freight on defective products is the responsibility of the consumer (UPS is the preferred method of returning a product to us). Repaired or replacement products will be shipped back to the consumer freight prepaid. This written warranty is the only warranty expressed or implied, made by Taylor Made Products. No person is authorized to change, add to, or create any warranty or obligation other than set forth herein. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State. To obtain service under this warranty, contact Taylor Made Products at the following address:
Taylor Made Products • 65 Harrison St. • Gloversville, NY 12078 • 518-773-9400 • www.taylormadeproducts.com • sales@taylormadeproducts.com
Freight on returned products is the responsibility of the consumer. Repaired or replacement products will be shipped back to the consumer freight prepaid.

Installation & Operating Instructions

Item #1420

Turn your boat into the ultimate floating oasis! The System is based on the theory of evaporative cooling. The booster pump forces water through specially designed misting nozzles that create a fog of ultra-fine droplets that instantly flash evaporate. This process can reduce surrounding air temperature by as much as 30 degrees!

This Product is designed to only operate on your boat when stationary!

The Comfort Zone system comes partially assembled and complete with everything you need for a quick or temporary installation; but is also capable of being permanently installed on your boat.

Tools Required:
Phillips Screw driver, Drill and 1/8” drill bit (a cordless drill works best), sharp knife or cutter.

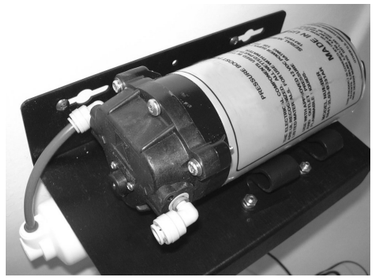
System Includes:
Pressurized booster pump, Aluminum Mounting Bracket, Inlet tubing with filtered intake, Misting Tube w/ cable ties, Four Misting Nozzles, Quick Connect elbow (1) and “T”(3) connectors, Four Misting line attachment clips, in-line sediment filter and 12VDC power Plug (cigarette adapter), mounting screws and instructions.

Step 1: Check to be sure that all the components listed above are there. If not, please call our Customer Service at 518 773-9400

Step 2: Mounting the Pump Assembly
NOTE: See last page for pump operational and installation guidelines.

For temporary use the pump can stand alone and just be placed in a secure spot on the boat for the day. Most people opt for a more permanent installation, so that the system does not need to be transported to and from the boat. Determine the location on the boat that you will house the pump assembly. The pump can simply be placed in a storage compartment. The system comes with 8 feet of water inlet tubing, 25 ft. of misting line and a six foot power cord; so your location must be suitable to accommodate those features. It is best to fix the mounting position of the pump assembly. It can be mounted either vertically or horizontally. Use the mounting bracket as a template to locate mounting hole locations - holes should be 5-7/8” apart on center. Mark the two points with a marking pen

Step 2: Mounting the Pump Assembly (continued)
and pre-drill the holes with a 1/8” drill bit. Secure the bracket with screws provided using a Phillips screwdriver. Do not over-tighten and leave approximately 1/16” clearance for the bracket to slide under the screw head. Once in place tighten screws to secure. Always take care when drilling. Be sure of what is behind mounting surface and never drill deeper than necessary.



Step 3: Run Misting Line
Insert one end of the black misting line into the outlet side of the pump. **Note directional arrows on end of pump**. Be sure that the tube is fully into the quick connect fitting on the pump - tug to insure proper installation. With your bimini top up and in place: choose the best route to run the misting line along your frame or other over-head apparatus to reach the area on the top where you want the misting nozzles to be positioned. Use the cable ties supplied to secure the tubing as necessary. Do not kink or make sharp bends with the tubing. Avoid any dirt or other contaminants from getting into misting line during the installation, as that can cause nozzles to clog.

Step 4: Install the Four Misting Nozzles
The positioning of the nozzles can be customized to every application and basically to whatever configuration desired. Most installations simply space the nozzles evenly over the width of their Bimini at the stern end, to cool the cockpit area of the boat. Another popular method is to locate two nozzles on the rear of the Bimini and two on the front - for all around cooling mist. You can however, run misting line and space out the nozzles in a manner that best suits your specific needs. Simply cut the misting line (be sure to use a sharp cutting device and cut tubing as straight as possible) at your desired location for the first nozzle. Using one of the supplied “T” fittings, insert tube into one side of the fitting. Note the nozzle tube stem is in the right angle side of the “T”. Cut another section of misting line to the desired length for the second nozzle. One end of this tube inserts into the end of the first “T” and the opposite end into another “T”. . . . repeat this until the fourth nozzle. The last nozzle will be positioned into the Elbow fitting, completing the misting line system. As the misting line progresses, use the line clips to secure the line onto the fabric edge of your bimini top, as appropriate.

Step 5: Water supply
The Comfort Zone system allows for three methods of water supply: Over the side water pick-up for fresh water applications, Transportable water containers (available separately - 5 gal. foldable & 7 gal. hard-side) and can be hooked directly into your on-board water supply. For temporary water supply in fresh water, simply attach the free end of the red water supply line to the input end of the sediment filter and place weighted swivel end of water tube, over the side. For salt water situations, it’s best to use a portable water canister - place weighted end through cap or spigot. Since each nozzle uses approximately 1/2 gallon of water per hour, a four nozzle system, under continuous use, will empty a five gallon container in under two and a half hours. DO NOT RUN PUMP DRY for any length of time, as it will damage the unit. Permanent installation to your on board water supply should be done by a qualified person. The unit includes a brass fitting - male hose thread to female 1/2”normal pipe thread - no other components to complete this type of installation are included.

Step 6: Power Supply
Included with the system - wired to the pump is a 12 VDC cigarette style power plug. Simply plug into outlet on boat and your ready to go. Do not apply power until you have read operating instruction below. Other wiring options are at the discretion of the boat owner and should only be done by qualified personal.

With installation complete you are ready to begin operation of the Comfort Zone misting system:
- Review and make sure that all quick connect tubing fittings are properly secured
- Make sure that water intake is ready and fully immersed in fresh water and that all filters are properly in place
- Adjust nozzle direction as desired
- Apply 12 volt power to activate pump and initialize system
- Allow approximately 2 minutes for pump to prime and water to purge through system - only needs to be done during first set up.
- Misting nozzles will begin to function, water should be atomized into a fine mist - ENJOY!

Note: If water does not flow properly from nozzle at any time, it is probably plugged. Remove power from system, take nozzle out of fitting and blow through nozzle to clean.

See next page for pump operational and installation guide lines and warranty information.

This manual is provided courtesy of

RV Tech Cheat Sheet

Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.

rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →

Follow proper safety practices. If in doubt, consult a professional RV technician.