

Yacht-Mate™
Ozone
Systems
MODELS
YMPO3

OWNERS
AND
OPERATIONS
MANUAL



YACHT-MATE PRODUCTS, Ltd.
3200 S. ANDREWS AVE #106
FT. LAUDERDALE, FL 33316
954-769-9564
WWW.YACHTMATE.COM
YACHTMATE@BELLSOUTH.NET



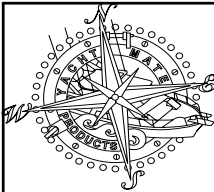
YACHT-MATE PRODUCTS WELCOMES YOU TO OWNERSHIP OF ONE OF OUR ADVANCED TECHNOLOGY PRODUCTS.

A short message for you:

You have purchased a YACHT-MATE™ System, and we congratulate you on making a sound choice towards improving your vessel. There are similar systems available to boat-owners, and we understand your choice was made with difficulty.

“We have learned through the years, that regardless of knowledge and advancing technologies, the end user’s plight begins not with the problems that needs to be overcome, but with the confusion offered by those who propose solutions. We are committed to stand behind the products that you will benefit from having. It is our ultimate goal to assure you that we will market products and services with confidence and integrity, as that is what will make us all successful with the endeavors we undertake.”

Dan Cammack & Sandra K. Hoekstra



Water-Mate is primarily a odor control system designed to assist you and your crew with the day to day maintenance of the your vessel. In addition, our system will significantly improve the air quality of all the waters you use to fill your fresh-water tanks through supplies available to you at dock-side, regardless of the location of the port of call.

We would like you to be aware of the fact that mere processing through our unit, and for that matter, through any other unit of this type, does not guarantee the microbiological integrity of the water on board your vessel. We have other systems to insure safe Drinking Water. This system is designed to improve the aesthetic quality of the water you use for primarily wash-down.

A Water-Mate system is designed to reduce odor levels in grey and/or black water tanks. Water-Mate systems can also be used to keep fresh water tanks clean and disinfected. Some systems process water with little result, and then there are well designed systems that will perform to your satisfaction.

A properly designed system will perform not just the first few times of use, but with proper care, will provide you with a system that will perform month after month, year after year, in a manner so efficient that you will forget that the unit exists to help you preserve your investment. You will come to expect that the longevity of that “fresh” smell is standard to your operations and routine maintenance....and that is what will eventually make us the only name in town, when we partner with you to preserve your investment. That is who we are, your partner in boating....

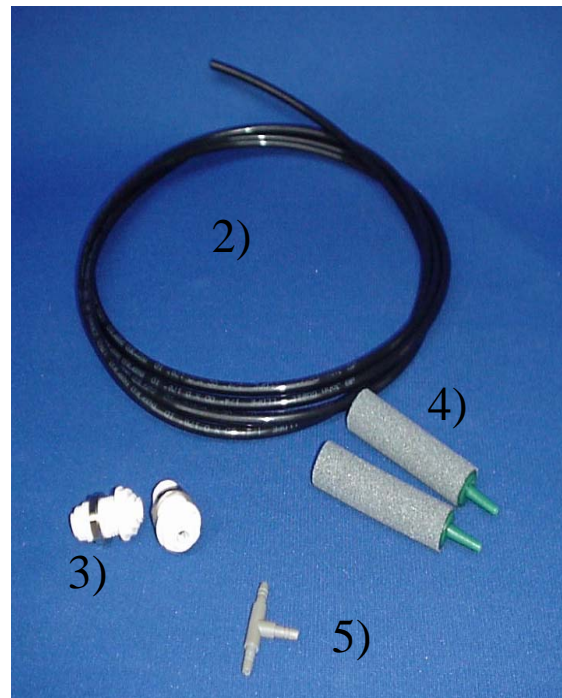
UNPACKING YOUR YACHT-MATE SYSTEM

Much care has gone into the production, testing and packaging of your new Yacht-Mate Ozone Unit. Please inspect the system to ascertain that none of the components were damaged during shipment.

Any damage to the system must be reported within three (3) days of delivery. Your distributor will assist you in filing any required freight claims with the carrier.

Review of the list of components below should be checked against the contents of the packaging upon opening and inspection. Please report any inconsistencies to our vendor within the allowed three days of delivery. We strive to insure every system is checked and double checked. Nevertheless, we stand ready to assist you if you find any problems with our packaging procedures.

We hope you enjoy the use of your system for many years to come.



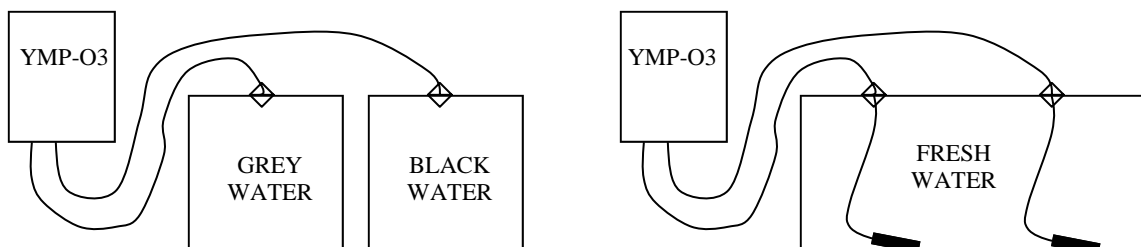
- 1) Yacht-Mate Ozone system
- 2) 1/4" black high density tubing (10 feet)
- 3) 1/4" white bulkhead fittings (2 each)
- 4) Dispersal stones (2 each)
- 5) 1/4" tubing tee (1 each)
- 6) 120VAC to 12VDC transformer (*no picture*)

FIXED MOUNTING INSTRUCTIONS **PLEASE READ CAREFULLY**

NOTE

OUR SALES DEPARTMENT IS AVAILABLE TO CONSULT WITH YOU TO ASSURE THE SYSTEM IS PROPERLY LOCATED, CONNECTED, AND OF COURSE MOUNTED AND FITTED FOR SAFE AND PROPER USAGE.

- ◆ **Locate mounting area that allows for vertical operation of system. (*check to make sure no items are located behind the mounting area where mounting screws could cause damage*)**
- ◆ **Use the mounting template included with this manual to mark the location of the two holes to be used for mounting. Drill the two appropriate holes using a “x” drill bit. Screw the supplied screws into the holes until the heads are approximately 1/8” from the mounting surface. Your unit can now be put over the screws and slid down, locking the unit into place.**
- ◆ **Locate the “black” and/or “grey” storage tanks. Depending on your application use a “x” drill bit to put one or more holes in the top of the tank(s). Put this hole centered for a single fitting and equidistant for multiple connections**
- ◆ **There are two tubing connections that require use of factory supplied tubing materials. *Both of the 1/4” Lines are high density poly tube that carries the Ozone to the tanks.* The supplied bulkhead fittings are designed to go through the exterior of the tanks while giving a positive “quick connect” seal to both the interior and exterior. When used for black and/or grey water tanks no interior connection is necessary. When used for connections to the “fresh water” tank(s) use the supplied tubing on the interior to a dispersement stone to give maximum Ozone contact.**
- ◆ **Note: when used with a single tank both connections may be made to the tank using the two supplied bulkhead fittings or the supplied “T” can be used to connect both output lines to one bulkhead.**



WARNING: Yacht-Mate Products, Ltd. will not be held liable for damage due to drilling on board any vessel . Installer assumes all responsibilities for any piping leaks, compartment flooding or electrical problems due to improper drilling. **KNOW WHAT’S BEHIND**



IMPORTANT NOTE

OZONE ALERT

A properly installed and operated Ozone system poses no health hazards. While Ozone is a toxic gas and the established concentration limits must be adhered to, the odor threshold of .01 PPM (Part Per Million) is far below the safety limit of a .1 PPM exposure over an eight hour period. The first symptoms of excessive Ozone exposure are headaches, eye, nose or throat irritation or shortness of breath. These symptoms can be relieved by simple application of fresh air. While no deaths have been reported from Ozone, sound safety practices deserve attention. Again, the key to safety is remembering that the presence of Ozone can be detected at very low levels- far below the safety threshold. If Ozone is detected immediately shut the unit off and check the connections. If proper connections are made you may need to adjust the unit output.

GENERAL OPERATING INSTRUCTIONS

⇒ **CONNECT OR PLUMB YOUR WATER-MATE SYSTEM ON BOARD YOUR VESSEL ACCORDING TO THIS OPERATING MANUAL, SPECIFICATIONS AND CODES GOVERNING INSTALLATIONS FOR POTABLE WATER SYSTEMS.**

!!!CAUTION!!! YOU SHOULD NEVER CONNECT THIS OR ANY POTABLE WATER SUPPLY LINE TO ANY WATER SUPPLY WITH UNKNOWN BIOLOGICAL CONTAMINATES!!!

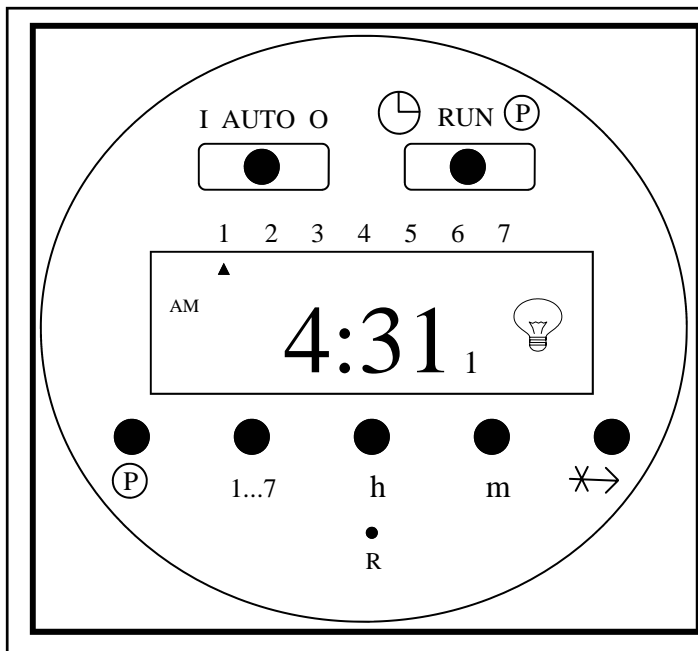
Your Yacht-Mate is designed to be completely automatic! Once installed correctly and powered the unit should show that power has been given to the system (green light). During times of Ozone production, the unit will show a red light and you may hear a slight humming noise (pump). Unless programming for time change or ozone production is needed no further system maintenance is required!

⇒ **YOUR SYSTEM COMES PRE-PROGRAMMED FOR 15 MINUTES OF OZONE PRODUCTION EVERY 3 HOURS. IF MORE OR LESS OZONE IS REQUIRED, REFER TO THE DIGITAL CONTROL PROGRAMMING ON PAGE 12 OF THIS MANUAL.**

⇒ **TO TURN THE SYSTEM FROM IT'S STANDARD PROGRAMING (AUTO) TO BEING "ON" MOVE THE SELECTOR SWITCH TO THE "I" POSITION. NOTE: WHEN MOVED TO THIS POSITION THE UNIT WILL PRODUCE OZONE UNTIL MOVED BACK TO THE "AUTO" OR THE OFF POSITION ("O").**

⇒ **FOR ASSISTANCE CONTACT YOUR DISTRIBUTOR, OR IF REQUIRED, DIAL: TOLL FREE: 1-877-YACHTMATE(922-4862)**

YACHT-MATE DIGITAL CONTROLLER PROGRAMMING



TO SET TIME & DAY- SLIDE SET SWITCH TO PRESS "1..7" BUTTON UNTIL ARROW POINTS TO CORRECT DAY (*this is a 7 day timer, 1=Monday, 2=Tuesday, etc*) PRESS "h" THEN "m" BUTTONS TO SET CORRECT TIME. PM INDICATOR SHOWS NOON TO 11:59 P.M. SLIDE SET SWITCH TO RUN. CLOCK COLON WILL BLINK.

TO PROGRAM ON/OFF TIMES- SLIDE SET SWITCH TO . PRESS THE BUTTON, A "1" WILL APPEAR TO THE RIGHT OF THE TIME. THIS INDICATES THE FIRST "ON" SWITCH CYCLE (A "BULB" WILL APPEAR DURING EACH "ON" CYCLE). PRESS THE "1..7" BUTTON UNTIL ARROWS POINT TO ALL OF YOUR SELECTED DAY(S) FOR THIS CYCLE (*this is a 7 day timer, 1=Monday, 2=Tuesday, etc*) PRESS "h" AND "m" BUTTONS TO SET THE "ON" TIME (this will set the unit to come on during at the time you select on all of the days that you have selected). NOTE THAT YOU HAVE AN "AM" AND "PM" INDICATOR PRESS THE AGAIN, A "2" WILL APPEAR TO THE RIGHT OF THE TIME AND THE "BULB" WILL NOT BE DISPLAYED. THIS IS THE OFF TIME FOR THOSE DAYS THAT YOU HAVE PROGRAMED IN THE FIRST STEP. PRESS THE "1..7" BUTTON UNTIL YOU HAVE THE SAME DAYS AS YOU DID IN THE "1". USING THE "h" and "m" BUTTONS SET THE TIME THAT YOU WISH THE UNIT TO TURN OFF. (EXAMPLE: with days 1,2,3,4,5,6,7 set on "1" at 4:00pm and with days 1,2,3,4,5,6,7 set on "2" at 4:05pm the unit will come on Monday through Sunday at 4:pm and turn off at 4:05pm) THESE STEPS CAN BE REPEATED THROUGH "16" TO COME ON AND OFF FOR AS LONG A DURATION AS YOU WISH. NOTE: UNITS ARE PROGRAMMED AT THE FACTORY TO COME ON FOR 15 MINUTES EVERY 3 HOURS STARTING AT MIDNIGHT.

AUTOMATIC ON/OFF- SET TIME, DAY AND DESIRED PROGRAM CYCLES. SLIDE SET SWITCHES TO "RUN" AND "AUTO". SWITCHING BEGINS WITH NEXT SWITCH-ON SET TIME.

OVERRIDE TO "ON"- SLIDE MODE SWITCH TO "I". SWITCH REMAINS "ON" INDEFINITELY!

OVERRIDE TO "OFF"- SLIDE MODE SWITCH TO "O". SWITCH REMAINS "OFF" INDEFINITELY

SKIP CYCLE- IN AUTOMATIC RUN MODE, PRESS "-X->" BUTTON, THE NEXT CALENDAR DAY IS SKIPPED.

CLEAR PROGRAMMING-TO ERASE ALL SETTING, PRESS R.