

**CLEAR-AIR SYSTEMS, INC.
120v RV125 Continuous Ventilation System**

INSTALLATION INSTRUCTIONS

MARINE APPLICATION***



Installation is Easy!! It requires the following tools and resources:

1" Hole Saw

1 1/2" Hole Saw

Heat Gun

Miscellaneous standard hand tools ie; drill

*****IMPORTANT INFORMATION—PLEASE READ**

The fan motor used by Clear Air Systems for Marine application meets the Ignition Protection Test requirements of ISO 8846, the USCG, stated in Title 33 CFR 183.410 and the SAE J1171 Standard.

The "Clear-Air System" is not designed to replace nor be used as a main blower system within the engine compartment to remove hazardous vapors. It is designed to remove odors only from any number of areas within the marine vessel

ABYC standards for electrical installation may be found on line at www.abyc.com

Just follow the attached instructions and soon you and your guests will be enjoying your boat without odors!!

CLEAR-AIR SYSTEMS, INC.
120v RV125 Continuous Ventilation System
INSTALLATION INSTRUCTIONS
MARINE APPLICATION
4 EASY STEPS

- 1-Mount the fan and bracket
- 2—Run the Intake and Outside Ventilation Hose
- 3-Install the Toilet Ventilation Adaptor (s)
- 4-Connect electrical wiring

FAN AND BRACKET INSTALLATION—STEP 1

1. Locate and mark where you wish to mount the inline fan—on or near the bulkhead keeping in mind your 120v power supply and best routes for the 1 1/4” bilge flex hose.
2. Using the six screws supplied in your kit, first mount the bracket. Then place the intake adaptor on the inline fan assembly on the intake side of the fan using 2 #8 3/4” screws.
3. Then mount the inline fan to the bracket with the 4 1/2” Pan Head screws. Note: Place the fan so that the electric box fits flat to the surface or bulkhead wall. Use the strap to secure the upper fan in place.



CLEAR-AIR SYSTEMS, INC.
120v RV125 Continuous Ventilation System
INSTALLATION INSTRUCTIONS
MARINE APPLICATION

4 EASY STEPS

- 1-Mount the fan and bracket
- 2—Run the Intake and Outside Ventilation Hose
- 3-Install the Toilet Ventilation Adaptor (s)
- 4-Connect electrical wiring

INTAKE AND OUTSIDE VENTILATION HOSE INSTALLATION—STEP 2

1. Determine where you will run the 1 1/4" Bilge Flex hose. Drill 1 1/2" holes where needed ie; bulkhead, floors and walls. *Note:* for toilet applications you may reduce the size of the line to two 3/4" lines and use a 1" hole saw.

To Install Lines: Systems can run up to 3 lines. (see diagram below) Plug the 1 1/4" hose into the intake vent and strap into place using hose clamps. (no glue required)

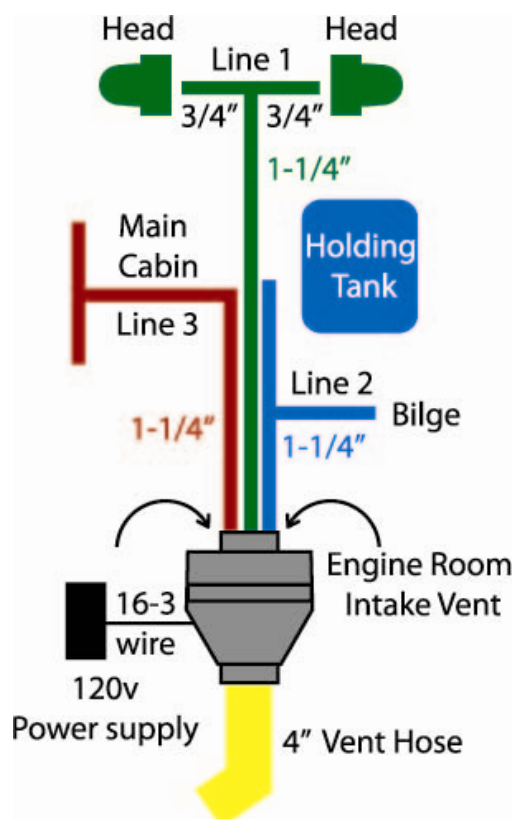
Line 1 to Heads—Each 3/4" line will pull approx. 10—12 cfm.

Line 2 to Holding Tank and Bilge Areas

Line 3 is used for ventilation of cabin areas and compartments. One central 1 1/4" line pulls approx 20 cfm* and up to four 3/4" lines (5 cfm each)

The Clear Air System can easily change to fit your needs using
standard marine hose and PVC parts

2. Attach the 4" outside vent hose to the inline fan with Stainless Steel hose clamp. You can tie into an existing vent or install a new vent. Secure the vent hose every 2" using zip ties and #8 3/4" screws. *Note:* Air will flow through the system even when the power is not on.



CLEAR-AIR SYSTEMS, INC.
120v RV125 Continuous Ventilation System
INSTALLATION INSTRUCTIONS
MARINE APPLICATION
4 EASY STEPS

- 1-Mount the fan and bracket
- 2—Run the Intake and Outside Ventilation Hose
- 3-Install the Toilet Ventilation Adaptor (s)
- 4-Connect electrical wiring

INSTALL THE TOILET VENTILATION ADAPTOR (s) - STEP 3

Drill a 1” hole through the floor or wall behind the toilet approx. 4” to 6” over from the toilet’s center on the left or right side. Attach the hose clamp to the side of the toilet or wall. Mark where the ventilation tip will sit on the rim of the toilet bowl set back 1/2”. (see picture below).

Note: The toilet needs to have a 1/4” space between the seat and the bowl to fit the adaptor.

Use a Heat gun to heat the hose and mold it into place.



CONNECT THE ELECTRICAL WIRING 120v—STEP 4

- Always turn the power off before beginning the installation process
- Always follow ABYC (American Boat and Yacht Council) standards when wiring the Clear Air System inline fan motor. (www.abyc.com)
- Always wire to a breaker switch or fused circuit.
- The fan uses approx. 60 watts and may be run through the inverter side of your system.
- Use 16/3 marine wire or higher.
- Connect wires white—red—green with Marine connectors.
- Secure the wire in place every 18”.

