



GEN-SEP™

Product Installation Guidelines

- Diesel Engine Version -



WARNING – These are **GUIDELINES ONLY** and are **NO GUARANTEE** of a properly designed and installed exhaust system. Centek's products are used in a variety of systems and applications. Therefore, it is impossible for Centek to provide specific installation instructions for all possible configurations of exhaust systems that may be incorporated on a marine vessel by the vessel manufacturer.

IT IS THE RESPONSIBILITY OF THE BOAT MANUFACTURER TO PROPERLY DESIGN AND INSTALL AN EXHAUST SYSTEM APPROPRIATE FOR THE VESSEL IT MANUFACTURES.

The Gen-Sep™ is made to be used in conjunction with the Vernalift™ Muffler and can be used for generators or for small propulsion engines. It is designed to withstand many times the normal operating pressures. This does not mean that it can withstand the extreme instantaneous pressures associated with back-fire. The Gen-Sep™ must be installed above the loaded waterline (LWL).

The guidelines for the Gen-Sep™ are as follows:

1. The Gen-Sep™ will take the place of the "loop" recommended for the outlet hose on the Vernalift™. It is designed to be bolted to a bulkhead. Install the unit no more than 4 feet above lift muffler and no less than 12" above LWL.
2. For sailboat applications, install the Vernalift™ and Gen-Sep™ as close to the center line of the engine as possible. This will minimize the possibility of cooling water return to the engine in severe angles of heel.
3. The water drain is the smallest pipe on the bottom of the Gen-Sep™. It can be exhausted above or below the LWL. The water drain line should be as short as possible.
4. For bottom-out models, the dry gas outlet should be mounted above LWL and must be angled downward (for bottom-exhaust models) as there will be a small amount of condensation in this line that needs draining.

For side-out or top-out models, the outlet hose may be positioned to drain condensation back into the Gen-Sep™.

Under no circumstances should there be a loop in the outlet hose that could collect condensation and impede the exhaust flow.

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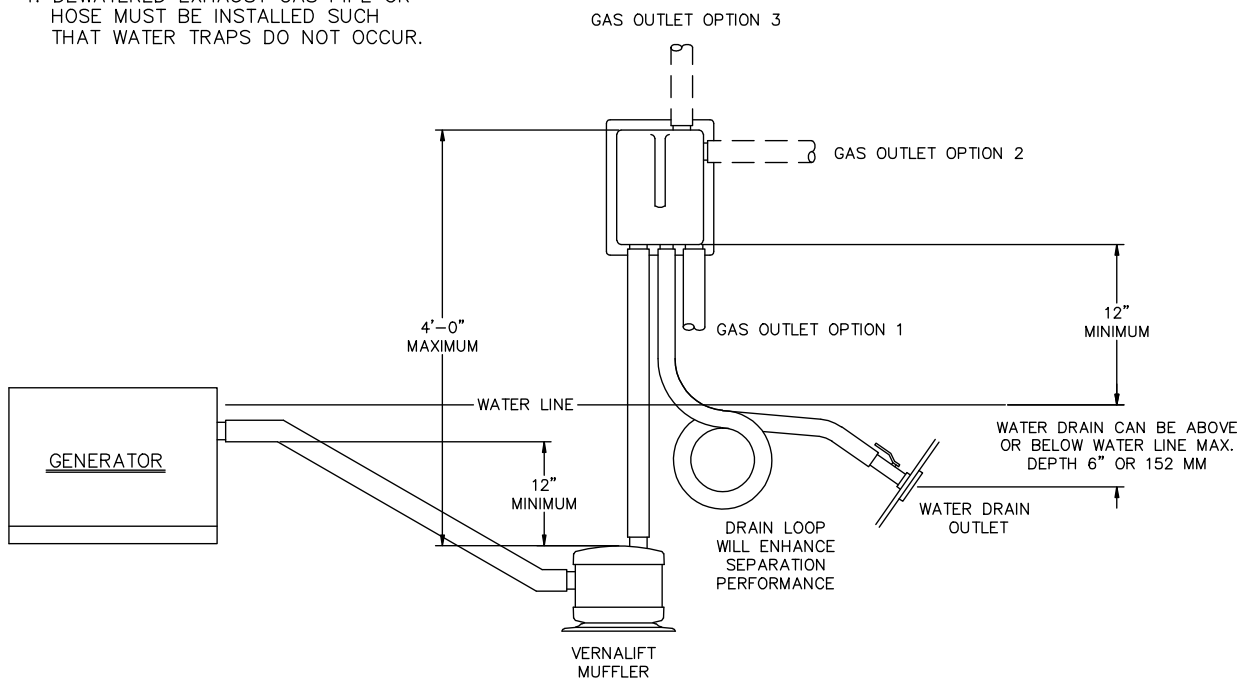
Warning! This Gen-Sep™ model is NOT intended for GASOLINE engines.

FIGURE 1

GEN-SEP GAS-WATER SEPARATOR (INSTALLED WITH A VERNALIFT LIFT MUFFLER BELOW WATER LINE)

NOTE:

1. DEWATERED EXHAUST GAS PIPE OR HOSE MUST BE INSTALLED SUCH THAT WATER TRAPS DO NOT OCCUR.



No-Hassle Warranty

Centek Industries, Inc. warrants its standard Gen-Sep™ products for a period of five years from the date of original sale. **Since Centek cannot exercise control over the installation and application of this product, this limited warranty is in lieu of all other expressed or implied warranties or warranty of merchantability or fitness for a particular use or the results or effects of such use.** Under no circumstances will Centek be liable for any consequential damages, damage by improper handling, damage during installation or damage in shipping.

Centek's liability is limited to the replacement or repair of the product and such liability will not exceed the original purchase price. Centek must authorize the return of any alleged defective Product, and such return must be made within 30 days of the receipt of that authorization. A reasonable proof of purchase date must accompany all returned Products.