

## **Industrial Commercial Air Injection Sewage Treatment**

NOFLEX DIGESTOR is a powerful, specially developed treatment for the effective maintenance of marine sewage systems on cruise ships and large passenger carrying ferries. In black and gray water systems onboard these vessels, cleaning chemicals and overloading can result in the Marine Sanitation Device (MSD) being unable to effectively handle the original design capability of the system. The normal bacterial digestion of the shipboard waste is compromised and a build-up of anaerobic sludge in the piping system and marine sanitation device is the result. If left unchecked, this process will continue until the MSD is plugged with sludge. It can also result in unpleasant odors reaching the passenger spaces.

NOFLEX DIGESTOR neutralizes the chemicals that destroy the aerobic bacteria required for the effective and efficient operation of the MSD. NOFLEX DIGESTOR also dissolves the built-up sludge in the piping systems and the MSD. This process results in the liquefaction of the sludge and the release of oxygen into the sewage plant. The health and growth of the aerobic bacteria is stimulated resulting in a clean, healthy and odorless sewage system.

NOFLEX DIGESTOR should be used regularly to treat all branches of the sanitation system. This will result in clean piping and clean sewage tanks. Depending on the size, complexity and type of the sewage system, maintenance should be carried out on a systematic basis similar to the maintenance of engine jacket water-cooling and boiler water systems.

Regular sampling of the effluent discharge will assist in determining whether insufficient or too much NOFLEX DIGESTOR is being used. Key measurements to be monitored are Total Oil and Grease (TOG), Mineral Oil and Grease (MOG), Biological Oxygen Demand (BOD), Total Suspended Solids (TSS), Total Dissolved Solids (TDS) and Fecal Coliform Count (FCC). A regular schedule of treatment with NOFLEX DIGESTOR will result in significant reductions in all of the preceding measurements. Your NOFLEX DIGESTOR Technical Representative will be pleased to assist you in the setting up of an effective monitoring system. Measurements should be carried out to the latest edition of "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association.

FAQ. In a new or freshly rebuilt aerobic system; Treatment should not be started for at least 4 weeks after start up human waste carries the bacteria needed to start the system but there are bacterial boosters on the market that greatly enhance start-up like Sept\*\*\*\*\*

Hydraulic loading of water in system; Is not important; there is little difference between vacuum low water flush and regular flush toilets with the use of this product.

When do I use more or less Waste loading does affect the dosage rates and volumes of treatment, more people more treatment powder needed.

**For dosing instructions please ask you customer's representative  
or Contact [dave@gemini-ltd.com](mailto:dave@gemini-ltd.com)**

**GEMINI PACKAGING LTD. #150-Jacobson Way, Richmond, B.C. CANADA V6W 1L5  
PHONE: (604) 278-3455 FAX: (604) 278-3697 U.S.A. TOLL FREE: 800-665-0991**



**Pictures sometimes have more meaning than words**  
Above from the left to right

**# 1 Raw sewage from the M.V. Sir Wxxxxxxxxx (Coast Guard )**

**# 2 One hour after addition of Noflex.**

**# 3 Two hours after.**

**The samples were not shaken just a pinch of Noflex was added in top of bottle.**

**I can not prove to you from the pictures; but the smell was from ripe to non existent in 5 seconds from addition of product.**

**Noflex Digestor has been used for several years on the commercial industrial work place to reduce sludge build up and control unwanted odors .From land based system in the far North work camps to high efficiency treatment systems aboard marine entities like Coast Guard.**

**Originally developed to enhance treatment systems now it is available in retail packaging for private use for home septic systems and on holding tanks on recreational vehicles.**

**When Noflex is introduced into the system (being heavier than water) sinks to the bottom of the tank where anaerobic (dead bacteria sludge) concentrates. Upon contact it reacts with the sludge lifting it into the main stream releasing micro bubbles of oxygen that breaks up waste also releasing the proteins out of the sludge, so that the live bacteria can feed on the dead making it a friendly medium for maximum growth capability.**

**Noflex is not a bacterial treatment, enzyme, biocide or perfumed product but a blend of chemicals that, when introduced into your sanitary system will very quickly neutralize hydrogen sulphides, clean pipes and liquefy solids in your holding tank.**

**Noflex cleans the waste that coats the inside of piping as it is flushed through the system, stopping smells from leaching through pipe connections and hoses .Once inside the holding tank, the product instantly reacts ,neutralizing odors instead of masking them.**

**This ship was fitted with an automatic injection system mounted into the main media tank.**