

Over time holding tank systems can be plagued with build-up of anaerobic sludge in the piping system and tanks, with the resulting unpleasant odors and dangerous fumes, sometimes venting into passenger spaces and dock areas. NOFLEX DIGESTOR liquefies the sludge and neutralizes odors instantly on contact with waste. This solves smell and solids build up problems, facilitating easy and complete pump out of the unit.

**Please exact amounts of the addition of Noflex are not needed just approx. .**

**Suggested dosages – Black water holding tanks**

**Start up**

If this is the first time you are using the product and the tanks are not new. You will use more at first to clean all your hoses and tanks to get control of the problems.

This will take a more treatments at a higher dosage rate to start. Since it is impossible to guess the condition of your tank 100 %. You will have to make the call once accomplished. It is not hard to tell just read below.

**If your baby is new jump to preventative maintenance in one of the two sections below.**

**in recreational yachts under 40 feet whether sail or power.** Most tanks are between 20 Liters (5 gal) to 100 liters (25 gals). You are probably using manual hand pump or grinder macerator for your system.

If this is a dirty startup where you have

**Smells from vents and lines.**

**Stuck holding tank level switch.**

**Your pump outs when full are less that what the tanks holds.**

**You can visibly see the waste level in the tank after pump out or on the walls of the tank.**

You are not just treating the tanks.

You need to treat the hoses for each toilet to the system and all fittings on the way there (were stuff collects in the elbows and joints) last is the tanks.

Please exact amounts of the addition of Noflex are not needed just approx.

Start with the tank ½ full or as empty as possible.

For ever 40 liters (10 gal) tank space add 30 grams (one oz) into each toilet in the system.

Pour it into the toilet at the beginning of a flush of just water and then flush several more time to get approx. 3>5 to liters of water into the system. This will work the powder down into the tank, on its way the granular powder will stick to any waste (and react) in the piping liquefying any waste coatings in the piping. This will be the start of ridding your unit of piping odors.

Put the system back into service use as you would normally.

**If you have a manual flush with exposed brass rods in the bowl make sure to lubricate with grease after.**

Do this as many time as it takes till you see the 4 things listed above disappear.

On your pump outs or over the side discharges watch the liquid as you discharge it should be almost clear. With a pump out watch the action of the hose if pumping just liquid it will be ridged or be laying flat on decks (for the first 90 % of the pump till it hits air) with no jerking, meaning it has liquefied the waste and solids are gone . If when doing an overboard discharge watch the waste port the liquid should be clear and the pump should not be changing speed as it does, as it hits lumps of waste.

Once you have reached this stage

### **You start the preventative maintenance**

For every two people on board every 2 days flush about one large tablespoon down toilet with a ½ liter (8 oz) water chaser into a different toilet every time .

You can cutting this back but, if you ever get any signs just add more

**After a couple of pump outs and treatments and you feel the system is now clean, your level sensor should work. If it doesn't its broken; not stuck and you may want to replace it.**

### **Tricks**

You can accelerate this by pouring 30 grams one oz down the "Sewage Pump Out" follow the dose of Noflex with 4 liters of water (make sure the valve inside the boat is in the open setting.)

You don't need a vent filter with Noflex but if you feel you do make sure that is clear and "will vent" and that it's self doesn't have waste in it from over filling or being in rough seas.

### **Grey water drains and tanks**

Product can also be used as a drain opener. In sink or shower drain pour Table spoon into drain add one cup of cold water and let stand over night. Hair and waste matter will push up out of the drain this should be collected and discarded .Flush with warm water.

### **Sewage Spills**

Sprinkle over area let sit for 5 minutes and rinse with cold water repeat if necessary.

### **Plastic Sewage Hose**

Using this product on a regular basis, will remove sludge inside hoses and stop odor permutation into spaces. Older hose's can be washed on the outside to remove any odors or stains. Add one ounce to a 2 liter pail of warm water mix, soak and wipe area with cloth or sponge do not wipe dry or rinse -----leave residue on hoses. Pour left over into toilet.

**On larger yacht 40>100** they may have several holding tanks at the 60 >120 liter each range.

Certain large yacht models or trawlers style consolidate into one large tank because of their more extended cruising abilities. Also most yachts above 40 feet use some type of vacuum system to collect waste. Gravity systems on upper decks are not uncommon on ships of this size and up. And pump outs are usually harder because of higher lift needed because of higher freeboard.

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**Smells from vents and lines.**

**Stuck holding tank level switch.**

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**You can visibly see the waste level in the tank after pump out or on the alls of the tank.**

You need to treat the hoses for each toilet to the system and all fittings on the way there (were stuff collects in the joints) all the way to the tanks.

Start with the tanks as empty as possible.

For ever 40 liters (10 gal) tank space add 30 grams (one oz) into each toilet in the system.

Pour it into a different toilet every time and at the beginning of the flush and then flush more for aprox 3>5 to liters of water.(product will not harm rubber or plastic parts)

Put the system back into service use as you would normally.

Do this between pump outs as many times as it takes till you see the 4 things listed above disappear.

On your pump outs or over the side discharges watch the liquid as you discharge it should be almost clear.

With a pump out watch the action of the hose if pumping just liquid it will be ridged or be laying flat on decks (for the first 90 % of the pump till it hits air) with no jerking, meaning it has liquefied the waste and solids are gone .

If when doing an overboard discharge watch the waste port the liquid should be clear and the pump should not be changing speed as it does, as it hits lumps of waste.

## **Now you start the preventative maintenance**

For every two people on board every 2 days flush about one large tablespoon down toilet with a ½ liter (8 oz) water chaser into a different toilet every time and just use the system.

You can cutting this back but if you ever get any signs just add more

**After a couple of pump outs and treatments, if you have a level sensor; it should work. If it doesn't Its broken; not stuck and you may want to replace it.**

## **Tricks**

You can accelerate this by pouring 30 grams one oz down the sewage pump out follow the dose of Noflex with 4 liters of water (make sure the valve inside the boat is in the open setting.)

With gravity toilets you may have to add extra ½ spoon treatments every day or two.

You don't need a vent filters with Noflex but if you feel you do; make sure that they are clear and **"will vent"** and that they don't have waste in it from over filling or being in rough seas. This cause smells also if so.

Some Vacuum flush toilets rotating flush balls are very soft try not to get the Noflex on the ball or the rubber seal It can be abrasive and wear the hard seal to rubber causing air leaks.

Generally the larger the tank space the longer and more room the Noflex gets to work with so you ratio wise use less that someone with smaller tanks .

Some customers with large yachts only treat once with ¼ of a bottle down each toilet at the start where the pump out is 2 weeks away.

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