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# SOLIDO – Owners guide

## Contents

1. Description
2. Operating guidelines
3. What not to use with a treatment plant
4. Servicing and de-sludging

### **1. Description**

The SOLIDO Small waste water treatment plant from REWATEC is an SBR (Sequence Batch Reactor) style system. It biologically treats your waste in batches. This is much better than constantly treating sewage, sewage from a domestic house isn't constant so nor should its treatment be.

With our SOLIDO system, the waste from your house is stored in a primary tank, and taken in batches into the reactor tank where it is treated biologically. After a settlement phase, where all the bacteria is allowed to settle to the bottom of the tank, the clear water is discharged.

The system uses a compressor housed in a totally sealed capsule in the neck of the reactor tank, this compressor moves, and aerates the water to enhance the bacteria growth. Your installer will have installed a small air intake pipe near to your treatment plant. This is vital as it ensures only clean dry air is taken into the compressor. You should ensure plants do not grow too much over this air intake.

### **2. Operating guidelines.**

A control panel for your sewage treatment plant will be situated near to the treatment plant. The control panel manages the timer for the batch treatment. In the event that the compressor fails, you will get a warning sound from the control panel. Do not be alarmed, your treatment plant will have a lot of bacteria in it which will still be feeding upon your waste. You do however need to contact your local servicing company.

Your treatment plant has been set to the many people in your house. It does not matter if you have guests or people staying for a week or so. However should you have a dramatic change in population, please inform your service company who can adjust the settings to the desired population.

### **3. What not to use in a wastewater treatment plant.**

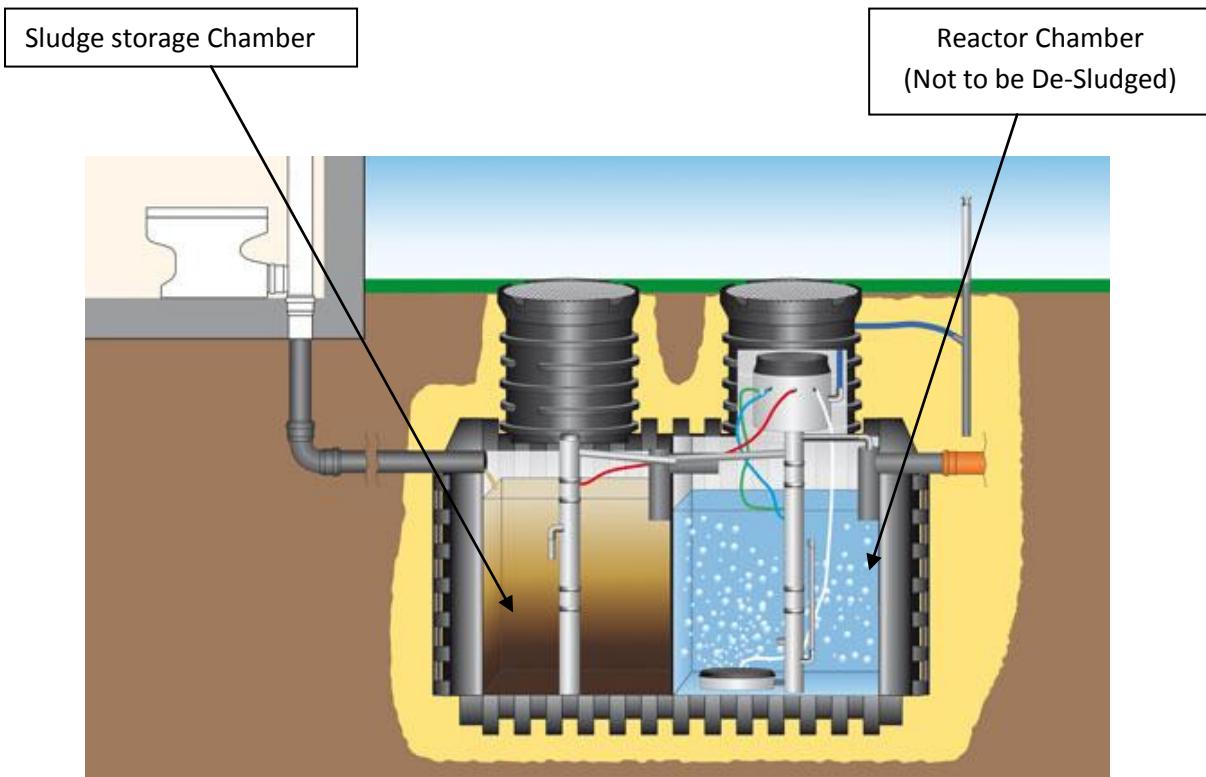
With an off mains sewage system, you need to be a little more careful with what goes down the drains. The bacteria will cope with small amounts of bleach and washing powder, but a large shock of bleach could kill off the bacteria and your system will then start to smell.

Please see refer to the below list of what not to put down the drains.

<b>Solids or Liquids which should not be put in the treatment plant:</b>	<b>Effect:</b>	<b>Proper disposal:</b>
Ashes	Doesn't decompose	Dustbin
Sanitary material	Blocks the plant	Dustbin
Chemicals	Contaminates wastewater	Waste collection site
Disinfectants	Kills Bacteria	Use Sparingly
Paint	Contaminates wastewater	Waste collection site
Photochemicals	Contaminates wastewater	Waste collection site
Chip fat	Deposits in the pipes and blocks them.	Dustbin
Plasters	Blocks the pipes	Dustbin
Cat Litter	Blocks the pipes	Dustbin
Corks	Deposits in the plant	Dustbin
Lacquers	Contaminates wastewater	Waste collection site
Medicine	Contaminates wastewater	Waste collection site
Engine oil	Contaminates wastewater	Waste collection site
Oily waste	Contaminates wastewater	Waste collection site
Cotton wool	Blocks the plant	Dustbin
Hair	Blocks the plant	Dustbin
Pesticide	Contaminates wastewater	Waste collection site
Brush cleaner	Contaminates wastewater	Waste collection site
Cleaning agent	Contaminates wastewater	Waste collection site
Razor blade	Blocks the plant	Dustbin
Insecticide	Contaminates wastewater	Waste collection site
Cooking oil	Blocks the plant	Dustbin
Food leftovers	Blocks the plant	Dustbin
Scrap wallpaper	Blocks the plant	Dustbin
Textiles (e.g. cleaning cloth)	Blocks the plant	Dustbin
Paint thinner	Contaminates wastewater	Waste collection site
WC cleaner/bleach	Contaminates wastewater	Use Sparingly
Cigarette ends	Deposits in the plant	Dustbin
Nappies/Face Wipes	Blocks the pumps.	Dustbin

#### 4. Servicing and de-sludging

A service contract is a key condition to the EA consent to discharge. Your treatment plant, unless otherwise stated by your service company, should have its primary tank De-sludged every year. If your system has 2 lids, the sludge chamber is the one on the inlet side, do not desludge the reactor chamber as you will get rid of your bacteria too! See the below picture for more help.



Details of our qualified service companies can be found on our website. In the even there is not one in your area, please ask your local sewage company to contact us for training.

If your system has only one lid, please instruct your desludge company to remove sludge from the first chamber (both primary, and reactor chambers will be visible through the one man hole cover).

