



# THREE BEARS ENVIRONMENTAL, INC.

800 664-9502



## GOSLYN OPERATING INSTRUCTIONS

Your goslyn™ is a unique and effective grease separation system that will give many years of great service with just a little assistance from you. The grease laden wastewater is passed into the goslyn™ from the **Inlet Pipe** and is filtered through the **Strainer Basket** to separate any solid particles before the liquid enters the **Separation Chamber** where the oil is separated. The separated oil passes through the **Oil Outlet** where it is delivered to the **Oil Container**. The clean wastewater, without the solids or oil contamination, flows out of the **Outlet Pipe** and away to the drain. The goslyn™ is equipped with a **Heater** to maintain the temperature at settings from 100 to 108° F (higher temperature is available to prevent any animal fats from solidifying at times of no flow). The goslyn™ is also equipped with a **Silt Removal Valve** for periodic purging of settled silts.

### DAILY OPERATING PROCEDURES: (or more frequently if needed)

- 1 Empty and clean the Strainer Basket (minimum of once per day). We recommend the purchase of an extra basket so you can clean one and still operate with the other.

The regularity with which the Strainer Basket will require emptying will depend upon the operating conditions under which it is working and can only be determined by trial. We suggest you start by checking the basket after every 4 hours of operation until experience dictates the correct frequency of cleaning. To remove the basket, first ensure that all sinks leading to the goslyn™ are closed off. Open the small section of lid above where the Inlet Pipe is, reach in for the handle of the basket and lift vertically until the basket is clear of the top of the unit. Empty the basket into a suitable waste bin and clean the basket. Replace the basket ensuring that it seats properly. **Note: the Strainer Basket is designed so that it can only fit in the proper direction. Be sure the basket faces the correct direction when putting back in place.** Close the lid. **!!! Caution: - Check that wastewater in the inlet chamber is not too hot. If it is, run some cold water through the system prior to removal of the basket.**

- 2 Empty or change the Oil Container whenever it is full (check daily).

The Oil Container is a clear plastic container that slides onto the underside of the container holder on the front of the goslyn™. The level of oil or grease can readily be seen. When the container is full it can be removed by sliding the container out. The container can be emptied into a suitable larger container for disposal or recycling in the usual manner. A second container is provided to enable the container to be emptied and cleaned while the unit is still operating. We recommend the Oil Container be washed out occasionally for hygienic reasons. To refit the container, place it in position under the oil outlet and slide onto the container holder. Check that it is securely placed.

### 3 Empty the settled silts through the Silt Removal Valve (minimum of once per day)

Because the wastewater has residence time in the goslyn™ to allow oil to separate, the sediment from starches will tend to settle. This sludge will need to be removed occasionally. To remove the sludge, open the water tap on a sink and allow the water to flow through the goslyn™ and, at the same time, operate the spring loaded self closing silt removal valve. Allow the silt to flow into the drain for approximately 10 seconds and then close the silt drain valve daily. This should be enough time to evacuate the accumulated sludge. If your kitchen produces more amounts of sludge materials you may have to perform this operation more frequently.

**!!! WARNING: OPENING THE SILT VALVE FOR LONGER THAN 10 SECONDS COULD LOWER THE LEVEL INSIDE THE UNIT BELOW THE HEATER- POSSIBLY RESULTING IN OVERHEATING, OIL SMOKE AND HEATER DAMAGE.**

### 4 Clean the Oil Outlet Vent (minimum of once per day)

The Oil Outlet Vent should be cleaned daily. To access the oil outlet, open the lid above and behind the Waste Oil Container. You can now see the Oil Outlet Vent pipe. Using the **BOTTLEBRUSH** supplied, simply clean the vertical and angled oil pipes.

### 5 Verify that the Heater is operational by checking the light on the heater box.

The heater is supplied with one indicator light to indicate that the power is switched on. Check daily that the light is on.

### 6 Check and wipe clean the area under the lid as needed.

Your goslyn™ should be wiped down daily with stainless steel cleaner to maintain a clean surface and good appearance. The lid should be removed weekly and any condensation on the inside wiped off with a cleaning cloth. Warm water and soap can be used if necessary.

## **MAINTENANCE:**

Your goslyn™ will require very little maintenance but it should be turned off, drained and thoroughly cleaned out once or twice per year depending on the type of application. The Oil Outlet Assembly should be dismantled and the non-return ball valve and seating cleaned. The heater should be checked and de-scaled and the setting of the thermostat confirmed. This cleaning may be required more often if the waste liquids contain high proportions of sediments.

*We would strongly recommend trained agents carry out these tasks.*

## **TROUBLESHOOTING:**

### **Oil separating but not being discharged:**

This may be due to fats solidifying in the oil outlet system – Check that the heater is plugged in. If it is, check the temperature in the inlet chamber and adjust thermostat setting if a higher temperature is required for animal fats. The oil outlet non-return valve

may be stuck due to semi-solidified or sticky oils. First check the heater as above; if satisfactory then the stuck valve may be cleared by cleaning with the bottlebrush provided. The oil outlet assembly should be cleaned out as detailed above as soon as possible.

**Oil is discharged with wastewater as well as discharged to oil cassette as normal:**

This can be an indication that the unit is being overloaded and the waste is not resident for a long enough period to allow full separation to take place or the silt release valve has not been operated and there is a silt build up in the unit thereby reducing residence time within the goslyn™. Operate the silt release valve as described above.

**Sinks leading to the goslyn™ are draining slow:**

This is usually an indication that the Strainer Basket has not been emptied. Please remove, clean and replace the Strainer Basket.

**Wastewater effluent is overflowing into the center section:**

This is usually an indication that the Strainer Basket has not been emptied. Please remove, clean and replace the Strainer Basket.

**For technical assistance please call:**

**(800) 664-9502**