Model LG or LB - Chamber Cleaning

IMPORTANT - All Electric Steam Units should be "cleaned" in the following manner **twice a year** and in "**bad water areas**" 3-4 times.

1. During periodic cleaning, heater should be removed, cleaned with a wire brush and reinstalled using a new gasket.
2. Water level probes should be removed and cleaned with a scraper or sandpaper and reinstalled assuring that proper wiring is accomplished.
3. Remove and replace sight glass and washers.

WHEN INSTALLING NEW HEATER -You must completely clean both chamber and water level sensing probes of the water control before installing new heater or you may have "another heater failure" within 48 hours.

1. "Blow Down" Steam Generator with 10 lbs. steam pressure on gauge.

2. Start Generator - and when gauge glass **shows 1/2 full,** shut off Generator.

3. **Remove** Safety Valve.

4. Insert Funnel in safety valve outlet (or outlets).

5* Pour hydrochloric acid (inhibited) solution (NON-FOOD APPLICATIONS) into funnel very slowly - being careful of fumes and venting while pouring. (Solution can be obtained from any industrial chemical dealer).

***NOTE: For Food Steaming applications use FDA approved chemicals.**
***NOTE: For Stainless Steel Chambers use Sulfamic Acid.**

6. **Amount of Solution -** Use 1/2 gallon on s**ingle heater models.** Use 1 gallon on **2 heater models up.**

7. **Reinstall** Safety Valve.

8. Close steam outlet valve and let solution set in Generator for **1 hour. Turn Generator** on until 5 lbs. steam pressure shows on pressure gauge. Then **shut off Generator**. When steam pressure drops to zero, open steam outlet valve and fill **Generator with water** and let stand for 1/2 hour.

9. Open blow down (drain) valve and drain Generator.

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10. **Close blow down (or drain)** valve and open steam outlet valve. Fill Generator again with clean water. Then open blow down (or drain) valve again and drain Generator.

11. Repeat operation in #9 and #10 to flush out Generator **completely.**

12. **Start Generator -** and when **10 lbs. pressure** shows on steam gauge, **shut off** Generator and open blow down (or drain) valve for approximately 5-10 minutes. Then **close blow down (or drain) valve.**

13. Electric Steam Unit is now **ready for normal use and operation.**

IMPORTANT
SPECIAL CLEANOUT PROCEDURE
FOR UNITS WITH AUTOMATIC FLUSH ACCESSORY

1. **Start** Generator in normal manner in order to flush out loose sediment.
2. After flushing - when water in sight glass begins to rise - turn off switch.
3. Make sure unit is cooled. **Remove** Steam Pressure Relief Valve.
4. **Pour** in a half gallon of the F.D.A. **approved cleaning solution.**
5. **Replace** the Steam Pressure Safety Valve.
6. **Remove** the IDEC Relay from its base (located in the top of the Electrical Control Box).
7. Turn **on** unit for 30 minutes.
8. Turn **off** power and replace [DEC Relay.
9. Turn unit **on** and **off** to initiate Flush and Drain Cycle two (2) more times.
10. Generator is now prepared for normal operation.

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