

# Example

## Boyce Thompson Greenhouse Autoclave Training

### Steps to operation

1. Turn steam generator switch to ON.
2. Allow water to fill the generator.
3. Press low water reset button until the generator light comes on.
4. Load the autoclave and fully close the sterilizer door.
5. Make sure all settings are correct.
6. Turn on jacket pressure switch
7. Turn on the "red" autoclave switch.
8. Let the autoclave run to completion.
9. Follow important door opening procedures.
10. Follow all maintenance recommendations.
11. Use caution when opening the autoclave after running as the contents will be very hot. Be careful of steam and hot water.
12. Wear proper PPE such as; long sleeved shirt, protective gloves and closed toed shoes.

### Maintenance Recommendations

1. BEFORE EVERY CYCLE, make sure the stainless steel mesh screen from the front drain hole in the sterilizer is totally free of debris. A clogged chamber drain strainer will prevent sterilizer from coming up to temperature.
2. ONCE A WEEK, flush Chamber with clean water. This is particularly necessary if saline solutions are being sterilized. Depending on the type of goods being sterilized, the chamber may also require wire brush cleaning (or other type) on a regular basis.
3. ONCE A WEEK, on units equipped with a steam generator, drain the generator immediately after the sterilizer has been shut down and while the water in the generator is still hot. This will aid in drawing off the sediments and impurities in the water and keep the generator clean. THE JACKET STEAM SUPPLY MUST BE TURNED OFF BEFORE THE GENERATOR IS DRAINED!
4. ONCE A WEEK, Clean the head ring and the door gasket. The head ring is where the door gasket meets the sterilizer chamber when door is shut. Clean the gasket and apply some graphite to prevent sticking of the gasket to the head ring. Always have a spare door gasket in stock. If you have trouble sealing the door, it may be time to replace the door gasket.
5. ONCE A MONTH, check all hand valve spindles for leaks around packing nuts.
6. ONCE A MONTH, oil the door hinge pins, and lubricate the door hub. See section on door hub maintenance for instructions on lubricating the door hub.
7. ONCE EVERY THREE MONTHS, clean all steam traps. This should also be done whenever indications point to the fact that a=the trap is continuously open or not performing it's function.

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## IMPORTANT DOOR OPENING PROCEDURE

1. After the audible “CYCLE END SIGNAL” is heard, visually check the reading on the chamber pressure gauge, to verify a “0” P.S.I. reading.
2. Push in lightly on round black knob in the center of door hub to assure that “INTERNAL DOOR LOCK” has fully disengaged.
3. Open door slowly by turning handles counter clockwise. If resistance is encountered, repeat steps 1 & 2 before continuing to open door.
4. Failure to follow this procedure could cause damage to internal door locking device and /or possible personal injury.