

## All American 25X Supplemental Operating Instructions.

These instructions are intended to supplement your manufacturers instructions. Please use these as a supplemental guide only.

1. Place approximately 1 gallon distilled water in the bottom of unit. Make sure the heating element is completely immersed.
2. Place rack in unit.
3. Place items to be sterilized in the rack.
4. Close the lid and tighten the six locking knobs equally.
5. Open the top vent valve that is on the lid next to the handle.
6. Turn the unit on.
7. Allow the unit to heat up until it is aggressively blowing steam out the top vent. You should see steam blowing out approximately 12 inches in all four directions from the vent valve. Allow it to vent for a minimum of two minutes. The unit should be making a hissing sound inside, indicating it has reached the boiling point 212°F. The vent is left open during this time to vent out all cold air in the bottom of the sterilizer. Caution: Unit gets very hot when heating up. Avoid touching the unit.
8. Close the vent valve. After a few minutes you should see the temperature/pressure gauge begin to rise.
9. Watch the pressure gauge closely. Allow the unit to heat up to the end of the green zone on the gauge where it begins to go into the red zone. Do not proceed into the red zone.
10. Adjust the temperature knob until the red light just goes off. Watch the gauge closely as it begins to drop back to the left side of the green zone. When / if it reaches to left side of the green zone, turn your temperature knob slightly counterclockwise until the red light just comes on. This is your setpoint.
11. Set your timer and run the unit for a minimum 30 minutes.
12. Now you need to fine tune / adjust your setpoint. After making the knob adjustment in step 10, the unit should proceed to heat up, possible into the red zone. Watch it closely. If it goes into the red zone, turn the knob slightly clockwise until the red light just goes off. You may need to make these adjustments during your 30 minute run to ensure you maintain the proper temperature!
13. When 30 minutes has passed, turn the power knob to off.
14. Carefully pull up and lock the vent knob and allow the unit to completely vent. You should use heat resistant gloves to do this, or use a towel to avoid getting burned.
15. Unscrew the six locking knobs.
16. Twist the lid and quickly and carefully remove it, avoiding getting burned by the steam.
17. Allow unit to cool and remove contents.
18. Once you have made a successful sterilization run, you can mark the knob where your temperature setting should normally be. Always check your gauge when doing runs to ensure you are meeting minimum temperature.

Comments:

Ensure you have 1 gallon of water in the unit before starting.

Make sure you open the vent valve during the initial heat up to purge out all cold air in the unit.

Make sure the temperature setpoint reaches the green zone and stays in that area during the entire 30 minute run.

Start timing your 30 minutes AFTER the unit reaches the green zone, and not when you first turn the unit on.

Many failures with this unit are due to an incorrect temperature/pressure gauge. If you are unsure of a correct reading, you can replace the gauge, or check it with a NIST thermometer that is available from [www.sporestriptesting.com](http://www.sporestriptesting.com).

Some gauges tend to get stuck. Tap on the gauge lightly to get the current reading.

Observe the unit for any steam leaks. If leaks occur, replace the gasket or vent valve.

If you need a new gauge or parts, a good dealer is [www.sterilizers.com](http://www.sterilizers.com). The gauge is around \$20 and the part number is 72S. Your gauge should be sitting on 0 psi when the unit is not being used. If it isn't, you may need a new gauge. The temperature gauge is critical to proper operation of this unit.

Note: These are only recommendations for operating an All American 25X type sterilizer. You should consult the manufacturer and your owner's manual for proper operation of the unit. These are only supplemental instructions.