

Autoclave Installation Overview

GENERAL GUIDELINES

Please note this is a condensed version of what is needed for proper operation. Complete installation and user instructions will be provided with the autoclave. It is further recommended that you contact the factory for a list of authorized service representatives in your area.

I. Setting the unit in place

- A. Service access should be 24 inches each side, 18 inches in the back
- B. Utility connections should be in the same room within 5 feet of unit

II. Plumbing Connections: unit, generator, waste cooling, steam, drain, and boiler blow down

- A. Cold Water, 45 - 65 psi dynamic, ½” with shut off valve and union
- B. Generator, hot 45 - 65 psi dynamic, ½” with shut off valve and union
 - i. Preferred: R.O. quality (<1.0 MegaOhm)
 - ii. Next best: Softened (0-17ppm or <1.0 Grains/Gallon)
- C. Direct steam, 50- 80 psi dynamic, ½” or ¾” inch with shut off valve and union
 - i. Drip leg (with trap) 18 inches under steam connection, supplied by facility
 - ii. Steam should be condensate free between 97% to 100% saturated
- D. Waste connection needs 2 inch air gap at 3 inch floor drain
 - i. Most units after 070108 serial number, 1-1/2” nominal copper unit drain
 - ii. Some units 1” nominal copper unit drain
- E. Safety valves to be piped 5” above the floor. Check with local codes.

III. Electrical is job specific

- A. Generator disconnect by unit, follow local codes, specify voltage, phase and amps
- B. Unit control PB series, 120 VAC, 60 Hz, Single Phase, 20 amp, 3 prong receptacle
- C. Unit control MC series, 120 VAC, 60 Hz, Single Phase, 20 amp, 3 prong receptacle
- D. Vacuum Pump, disconnect by unit, specify voltage, phase and amps. Follow all local codes.
- E. Water booster pump for ejector, specify at location
- F. Water feed pump, 1/3 hp, specify at location

Note: The above information should be used as a reference only. Your facility may have specific requirements. In addition, the factory and an authorized service representative should be contacted for special needs (i.e. bio-seal, double door, stacked units, etc.).

Wastewater cooling:

The device used to maintain a temperature no greater than 140F at the house supplied floor drain is not electrically controlled. The drain temperature is controlled mechanically, thus preventing temperatures from rising too high even in blackout conditions.