

YORLAB® BIO MEDICAL WASTE HORIZONTAL STERILIZER (NEW) **Model No.: YSL / YSU-611**

Specifications:

- The YORLAB Medical Waste Sterilizer are designed to dispose of all infectious waste in an efficient, safe, environment friendly and cost effective manner.
- In compliance with the various international regulations, and guide lines of Central Pollution Control Board (C.P.C.B.) designed with the following important factors for Medical Waste Sterilization System development :
- YORLAB Medical Waste Sterilizers meet the demands for large but not necessarily heavy, volume contents. And at the same time develop the cost affective most efficient system for any-size medical/research facility with a long term solution and a secure disposal method.
- Prior to sterilizing the medical waste, the air and condensate emitting from the Autoclave during the first stage of the cycle as well as the air and condense emitted to the drain during and at the end of the cycle would also be sterilized.
- YORLAB Medical Waste sterilizer operates with saturated steam as the sterilization agent; operating at a pressure of up to 33PSI (2.3 bars) and a temperature of up to 279°F (137°C).
- While more and more critical diseases are evolving autoclaves ensures highest level of sterilization.
- The High vacuum sterilization method substantially shortens the sterilization cycle, achieved by evacuating the air with a vacuum pump, combined with steam pulsing. A 10 pm.
- HEPA Filter is provided to filtrate the air, which equalizes the vessel pressure.
- The remaining residue, which is typically substantially less then the original volume, is sterilized and may be discarded as municipal waste.
- YORLAB offers a large range/varied sterilizer chamber dimensions according to the specific requirements.



- The Medical waste sterilizers operate with the technology of a high vacuum steam environment; with steam as the sterilization agent, operating at a pressure of up to 33PSI (2.3 bars) and a temperature of up to 279°F (137°C). due to the unique design and special construction of the autoclave, together with the regulations requiring a minimum sterilization of 30 minutes, the sterilization cycle is relatively short, the entire cycle is no more than about 50 minutes.

Automatic Control Unit:

- The Medical Waste sterilizer control system is based on "state-of-the-art" microcomputer technology, guaranteeing high reliability and safe operation, intervention is avoided after selecting the parameters and pressing the start button. The main cycle phases and the machine's actual parameters are displayed on the LCD panel during the cycle progress.
- The main physical parameters of the process, i.e. temperature, pressure, time and jacket pressure are controlled and displayed.
- The control system is easy to use and programmable, Calibration of the system can be performed digitally from the control panel or through a computer communication port via a PC.

Documentation :

- For a clear and concise documentation of cycle process, the control unit is provided with a 24 character per line printer, which is connected to the microprocessor.
- In case of an uncompleted cycle, the printout will indicate the cycle failure and the cause of the failure. An additional graphic printer is available (Optional), RS232 PC and Advanced PC Windows-based software for monitoring, logging and control is also available (Optional).
- A circular or trace strip chart temperature and pressure recorder can be supplied on request (Optional).

Loading Cart and Carriage (Optional) :

- Complete product range of high-grade stainless steel 304 / 316L Loading Equipment, Loading cart and transfer carriage

Optional :

- Highly automated loading and / or unloading for your sterilizers. The loading equipment is ergonomically designed for safe, simple, easy to use, material handling in your facility.

Available in following sizes :

Cylindrical	500mm (Dia) x 1200mm (Depth)
	600mm (Dia) x 1200mm (Depth)
	750mm (Dia) x 1200mm (Depth)
Rectangular	600mm (W) x 600mm (H) x 1200mm (D)
	600mm (W) x 900mm (H) x 1200mm (D)
	600mm (W) x 900mm (H) x 1500mm (D)
	900mm (W) x 900mm (H) x 1200mm (D)
	900mm (W) x 900mm (H) x 1500mm (D)

Other size as per customer requirement.

Construction :

- Pressure Vessel and door - are constructed of heavy-



duty 304/316L-grade stainless steel, both single and double door models are available.

- Jacket - is constructed of heavy-duty Boiler grade steel/ 304L grade stainless steel, Channel Type.
- Piping and fittings — are of stainless steel and brass. The valves are ball piston type, self cleaning and pneumatically operated.
- Mounting — can be supplied in one of the following mounting alternatives: Built-in, wall mounted, Free-standing and Pit-mounted (floor loading).
- Loading — the chamber is supplied with two rails for easy loading. A variety of stainless steel loading equipment is also available (Optional).

Doors :

- The sterilizer can be supplied with one or two doors. The door/s can be fully automatic vertically sliding, horizontally sliding (optional).
- Hinged with automatic pressure locking as a standard design.
- All door types are equipped with special safety device features that prevent the doors from opening while in Pressure/Operation.