

YORLAB® H.P.H.V. HORIZONTAL RECTANGULAR STEAM STERILIZER **Model No.: YSL / YSU-408HPHV**

As per IS-3829 Part-1

Specifications:

- The chamber is sq. / rectangular in shape constructed of heavy duty stainless steel 304 / 316, door is also made of stainless steel 316L/316. Steam Channel jacket is made of Boiler grade steel sheet IS 2001 or S.S. 304 Grade (Optional) Proper wall re-inforcement is provided on the chamber.
- The pipes and fittings are of stainless steel and bronze, the valves are ball type.
- Each sterilizer is mounted on a sturdy tubular type stand made of M.S. duly powder coated or (Optional) S.S.304 or modern type cubical panel (Optional) with easy access to servicing.
- All other construction details are as per IS 3829 Part-11999.

Design :

- Autoclave YSL/YSU-408 (HPHV) are designed as per International Standard
- Chamber of the autoclave is designed & tested as per ASME Std of hydraulic test pressure, two times the working pressure & jacket for 2 ½ times or the working pressure performance as per BS & IS Standards
- Working pressure of autoclave is from 1.2 to 2.1 kg/cm² corresponding of the temperature of 121°C to 134°C and vacuum upto 26" HG (with built in vacuum pump arrangement) with necessary condenser etc.

Pulsating Deep Vacuum :

- High efficiency vacuum pump for mechanical air removal for excellent steam penetration even in fabric loads.
- Post sterilization vacuum drying treatment to ensure the load is dry on unloading.
- The chamber is designed and tested as per American Society of Mechanical Engineers standards.

Doors :

- Available Single and double door model offers the customer two door options - hinged door and automatic sliding door (Optional).
- All doors have stainless steel contact parts and temperature resistant silicon rubber gasket.
- Recording System (Optional)
- Single point strip chart recorder for recording the process temperature, date and time.

Safety:

- Door safety to prevent starting of the process unless the door is closed and opening of the door when the chamber is pressurized (optional).



- Insulated chamber to avoid scalding to the operator.
- Safety valves for over-pressure safety.
- Pressure vessels hydro-tested for maximum quality assurance.
- Provided with two locks one automatic and another is manual.
- The automatic lock operates when pressure gauge reads 0.30-0.37kg/cm² in the chamber

Source of Steam Generation :

- Following combination of heating models are available.
- Electrically operated
- Steam operated
- Combination of electric & steam operation

Steam Generator:

- A stainless steel electric boiler is provided under the shell with interconnecting steam pipes.
- The boiler is supplied with 6 KW immersion heaters mounted on stainless steel plate and electric controls would comprise of an air break contactor, automatic pressure controller, low water protection.
- The boiler is also additionally provided with one independent spring - loaded safety valve, pressure gauge, gauge glass assembly with protector, water drain and water inlet valves.

To be continue...

Continued on.....

YORLAB[®] H.P.H.V. HORIZONTAL RECTANGULAR STEAM STERILIZER
Model No.: YSL / YSU-408HPHV

Other Features :

- Two Nos. Mechanical ejectors
- Self Sterilizing vacuum drier
- Safety valve spring loaded and vacuum breaker
- Screen plug and Dial Thermometer for chamber's discharge line which is provided with steam trap and swing check valve
- Manual single point operation to operate manually as per IS 3829 Part-I
- Door safety -when the chamber is under pressure self locking device automatically locks and unlocks when chamber pressure is falls below 0.35 k.g./cm².
- Built in steam generator made of S.S. 304 with Low water cut out water level indicator self locking gauge glass valve.
- The equipment is provided with S.S. 304 railing and carriage with MS Trolley (Optional).
- Provided with vacuum system, low water cut off system.
- Suitable to run on in built electric Boiler as well as from centralized steam supply available near to equipment @ 2.1 to 2.5 kg/cm²
- Working temperature 134°C.
- Utilities & Environment Conditions :
- Supply Voltage 380/415 V3 Phase 50 Hz.
- (for power refer chart)
- Feed Water : Soft water/ DM Water.

Sizes Available :

Width (mm)	Length (mm)	Height (mm)	Electric Load (K.W.)
500	500	950	18Kw
600	600	1200	18Kw
600	900	1200	36Kw
910	910	1200	36Kw
600	900	1500	36Kw

Other sizes as per customer requirement.
 Various level of automation is available to suit customer need.

- (1) YORLAB micro 50 -Four process cycles provided are with fixed parameter and takes care of all sterilization need.
 - No display is available.
 - No online data printing
- (2) Micro75
 - Four process cycles with fixed parameter.
 - No display
 - Online process printing is available.
- (3) Micro100
 - Four process cycles with fixed parameters.
 - Display (Twoline)
 - Online process printing
- (4) Micro150
 - Five fixed and one flexible process cycles are provided.
 - Display (Four line)
 - Online printing
- (5) Micro 200
 - Five fixed and one flexible process cycle.
 - Display (four line/Touch Screen) Online printing
 - High end plc is provided to take care of process parameter like for Value etc.

Other Optional Accessories :

- Sterilization Tray.
- Sterilization Basket.
- Carriage.
- Transfer Trolley.
- Air Compressor
- Audio visual alarm for low water level.
- Auto feed water system.
- Temperature recorder.
- Thermograph or Printer for documentation
- Others as per requirement of the customer.

