



Steam Sterilizer

RAPID COOLING ARRANGEMENT :

For liquids in bottles and PVC pouches with the help of air and/or with the help of water spray after the end of sterilization period

BLUE WATER LEAK DETECTION SYSTEM :

For detection of defective Ampoules : preheated Blue Water is pumped into the autoclave chamber which will penetrate into defective ampoule for easy detection.

STANDARDS :

The Sterilizers are manufactured & Tested in accordance with I.S.3829 standard. It can be manufactured to comply with any other international standard/s.

GENERAL INFORMATION				STEAM GENERATOR	UTILITIES			
CHAMBER SIZE (in mm)			VOLUME	ELEC LOAD	ELEC. RQ.	STEAM PR.*	AIR PR.**	WATER PR.
W	H	D	Litres	KW.	440 V 3 ph. 50 Cycle with neutral	KG/CM ²	KG/CM ²	KG/CM ²
450	450	900	175	12		3-5	5-7	0.7-0.8
600	600	1200	425	18		3-5	5-7	0.7-0.8
600	900	1200	635	36		3-5	5-7	0.7-0.8
600	900	1500	800	36		3-5	5-7	0.7-0.8
900	900	1500	1200	NA		3-5	5-7	0.7-0.8
900	1200	1800	1900	NA		3-5	5-7	0.7-0.8
1200	1200	1800	2500	NA		3-5	5-7	0.7-0.8
1050	1200	2100	2600	NA		3-5	5-7	0.7-0.8
1200	1200	2400	3400	NA		3-5	5-7	0.7-0.8

*for units operated by steam supplied from the central boiler
** For Automatic process control units only

As per your need

We also offer any other chamber dimensions/specifications designed for special applications/requirements.

Our Range of Products :

- Cylindrical Sterilizers • Vertical Autoclave Sliding Door Sterilizer • Distilling Units • Storage tank
- Pure Steam generator • Other Furniture items

We reserve the Right to alter, Modify, Improve or Change the Design of our Products as Result of continuous Development.



FABWELL ENGINEERS
 MANUFACTURERS OF PHARMACEUTICAL & HOSPITAL EQUIPMENT
 C-8 & 9A, GHATKOPAR INDUSTRIAL ESTATE, L. B. SHASTRI MARG, GHATKOPAR (W), MUMBAI - 400 086, INDIA.
 Ph. No.: (91-22)500 8834, (91-22)500 8053 Fax : (91-22) 500 8705. E-mail: fabwell@vsnl.com
 Visit us at : www.fabwellengineers.com



Steam Sterilizer

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Horizontal Rectangular

High Pressure - High Vacuum



USES:

Fabwell Sterilizers are ideal for Pharmaceutical, Hospitals, Biotechnology and Allied Industries, Laboratories, Research Institutes, Food Industries, etc. They are designed for safe & efficient sterilization of various items such as Ampoules & Vials, Rubber goods, empty flasks, instruments & utensils, Fabrics wrapped or unwrapped, etc.

CONSTRUCTION:

The chamber is constructed of heavy duty stainless steel 316 to with stand pressure of 1.3 Kg/cm²/2.2 Kg/cm² corresponding to temperature of 121°C/134°C.

Two rails are provided in the chamber bottom for easy loading & unloading of the material on Carriage.

DOORS:

The Sterilizer is supplied with single door or double doors made of 304/316 S. S. The doors are either manually operated Hinged type or having automatic sliding type arrangement.

SAFETY FEATURES :

A special provision prevents the operator from opening the door in following events:-

- When the chamber is under pressure
- When one door is open the other cannot be opened (for Sterilizer with 2 Doors).

Vacuum Breaker

Heavy duty safety valve



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FITTINGS & PIPING.

Plug Screen in the Chamber (in front)

To prevent the choking of the discharge line with solids; It is easily removable for regular cleaning.

A Thermostatic Steam Trap/Air Vent

Fitted in chamber discharge line for automatic removal of air and chamber condensate intermittently.

S.S. Baffle Plate

Fitted in the chamber in front of the steam inlet for proper distribution of steam in the chamber and to avoid the entering steam from directly hitting onto the load.

Temperature and Pressure / Vacuum indicator (gauges)

The piping is of stainless steel 304/316 complete with necessary valves etc.,

MODE OF HEATING/STEAM SUPPLY

The Sterilizer is operated by steam supplied from the central boiler or by in built electric steam generator.

Steam Generator :

Autoclave can be supplied with 304/316 S. S. steam generator operable on elec./steam coil. It has safety features such as low water cut off, pressure control etc.



HPHV TYPE UNIT

The chamber is constructed of heavy duty stainless steel 316 to with stand pressure of 1.3 Kg/cm²/2.2 Kg/cm² and also to withstand vacuum of 26"/28" of Hg. in Chamber
All other features will remain same as per High Pressure units.



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ACCESSORIES

VACUUM SYSTEM : (for HPHV type unit only)

This system is used for effective air removal from Autoclave chamber. It consists of efficient of water-ring type vacuum pump, condenser etc.

Material Handling:

Autoclave can be supplied with stainless steel removable shelves/trays or with a loading carriage & trolleys.

CARRIAGE & TROLLEY :

The loading carriage is made of stainless steel 304/316. And it has adjustable shelves which can be positioned according to Height of the goods. It is designed to slide easily from chamber to trolley.

The trolley is made of S.S./M.S. and its base has four heavy duty castors. The trolley has locking arrangement with carriage as well as with chamber.



AUTOMATIC PROCESS CONTROL UNIT :

The control unit is housed in M.S. (Painted)/304 S.S. Cabinet. It is based on advance PLC or Microprocessor technology. This unit control different sterilization cycles with the help of in built different program combinations. Control unit is provided with manual operation facility used in case of its failure.

