

Cylindrical Sterilizers

Cylindrical Sterilizer



Fabwell Sterilizers are suitable for Hospitals, clinics, Laboratory etc. They are designed for safe & efficient sterilization of various items such as wrapped or unwrapped goods, instruments & utensils etc..

Construction

The sterilizer has double walled (inner chamber & Jacket) type design, which allows preheating of chamber by jacket steam. The Autoclave will be suitable for operation at a pressure of 1.2 Kg/cm²/2.1 Kg/cm² corresponding to temperature of 121°C /134°C

The chamber is constructed of heavy-duty stainless steel 304/316.

Steam Generator

Autoclave is supplied with 304/316 S. S. steam generator operable on electricity

It has safety features such as low water cut off, pressure control etc.

Doors

The Sterilizer is supplied with single door or double doors made of 304/316 – S .S. The door has provision, which prevents opening of door when the chamber is under pressure.

- * Fittings and Piping

- * Multi-port main operating valve

- * To control from one point various phases of entire sterilization Cycle.

- * 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. Perforated bottom shelf

- * In chamber, to avoid the load from coming in contact with condensate.

- * 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.

- * For creating partial vacuum in chamber

- * Self Sterilizing Vacuum Dryer

- * Having a corrosive-resistant filter to admit only dry filtered hot air into the chamber.

- * Fitted to jacket to prevent possible buckling of jacket because of accidental vacuum created due to abnormal condensation of steam.

- * The piping is of stainless steel 304. All pipe connections will be of BSP type.

High Speed Flash Sterilizer



For urgent need of sterilization of instruments, etc near the operation theatre, cycle time is reduced by increasing the heating load of the steam generator.

- * All other features will remain same as High Pressure unit.

- * Instrument Rack (Optional item for High Speed units)

- * It is made of 304 SS & useful for loading & unloading of material into the chamber

Optional Items/Accessories

Feed Water Arrangement

It can be supplied with suitable feed water pump to feed the water when generator is under pressure.

Process Control Unit

Semi Automatic or Full automatic type

Vacuum System

For effective air removal from Autoclave chamber.

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.

Chamber	400	400	400	500	500	600	750
Size	x	x	x	x	x	x	x
Dia X Length (in mm)	600	900	1100	900	1100	900	1100
Chamber volume in liters	75	110	135	175	215	250	485
For High Pressure Unit Electric load in kW	6	9	9	9	9	9	18
For High speed Unit	18	NA	NA	NA	NA	NA	NA
Electric load in kW							
Electrical Requirement	440 V 3 ph. 50 Hz AC supply with neutral						
Steam Pr.* Kg/cm ²	3-5	3-5	3-5	3-5	3-5	3-5	3-5
AIR Pr.** Kg/cm ²	5-7	5-7	5-7	5-7	5-7	5-7	5-7