



DRY HEAT HORIZONTAL RECTANGULARSTERILIZER WITH BLOWER PUMP, PLC, MICROPROCESSOR PANEL

Specifications

Sr.	Item	Description
1	Size	
2	Machine Outer Size	
3	Chamber	SS 316 L (Thickness:- 2 mm)
4	Manual Swing double Door	SS 304 plates on contact & non-contact Sides
5	Hinge & Locking Rod	SS 304
6	Central Locking parts	SS 304
7	Shooting Bolts	SS 304
8	Outer Insulation	125 mm Thick fibber glass insulation
9	Operating Temperature	300°C
10	Stand	SS 304 Round Pipe ,3 mm thickness
11	Operation	Auto/Manual
12	Pump	Air circulation by the impeller driven by 0.5hp 440 volt motor

13	Heating	"U" type heating elements are mounted on the top
14	Heap filter	0.3 micron heap filter for air inlet
15	Automation Hardware	PLC Make: Schneider HMI Make: Schneider. 7" Digital Display
16	Handling Accessories Carriage(Qty.: 1 Nos)	<ul style="list-style-type: none"> • Loading carriage is fabricated from specially formed SS316L sections and welded to form a supporting frame. • Shelves are provided for loading which are fabricated from SS 316L with adequate holes drilled for steam circulation. <p>Each carriage is provided with four concave shaped wheels with sealed bearings impregnable to the steam.</p>
17	Transfer Trolley (Qty.: 1 Nos.)	<ul style="list-style-type: none"> • Floor trolley is fabricated from SS 304 sturdy tubular members welded together. • The top frame is on four heavy studs for level adjustment. • The rails on the top frame match with the rails in the chambers. • The trolley is also provided with two fixed and two swiveling castor wheels. <p>The castor wheels consist of Stainless Steel bracket fitted with Polyurethane wheels.</p>
18	Process Reports With Printer	Reports are generated by the software for each and every cycle in (1) Detailed Report online printing with In built printer
19	Gasket	Silicon Gasket
20	Control Panel	SS 304 Electrical Control Panel In built machine
21	Gauge	A pressure gauge on the operating side & sterile side indicates the Chamber & Jacket pressure to the operator at all times

DRYHEATSTERLIZER-GMPMODEL(18"X18"X42"CHAMBER)MATERIAL OF CONSTRUCTION

- Inside body 2 mm thk SS 316 quality. & outside Body 2 mm thk. SS 304 Quality.

BODY

- Fabricated in double walled construction S.S.304 quality framework from inside & outside the unit mounted on rigid steel framework, the gap in between the two walls is filled with thick fiber glass wool for insulations.
- Then it is also provided with air inlet-outlet, air filter, Insulated door inter locking with limit switch door, carriage trolley, floor trolley etc.
- Unit is provided with a double door at the front & back side (For sterilizer & Non-sterilizer area.)
- The door lips will have silicon gasket prevent the leakage.

FINE FILTER UNIT

- Fabricated with S.S. 304 quality framework.
- Filter assembly at inlet of the chamber shall have Pre filter– 1 set.
- Fine Filter – 0.3 Micron – 1 set.
- Filters are removable type for cleaning.

INLET AHU. WITH SUCTION BLOWER ASSEMBLY

- Blower interior fabricated from S.S. 304 quality material dynamically balanced housed in S.S. 304 quality Scroll
- It is driven by 0.5HP/2800RPM/415 V/50Hz/AC Supply Non-flame proof Motor.
- The inlet air is passed through 5 micron, 10 micron filters & cooling coil.

AHU. WITH SUCTION BLOWER ASSEMBLY

- Blower interior fabricated from S.S. 304 quality material dynamically balanced housed in S.S. 304 quality Scroll
- It is driven by 0.5HP/2800RPM/415 V/50Hz/AC Supply Non-flame proof Motor.
- The inlet air is passed through 5 micron, 10 micron filters.

HEATER ASSEMBLY

ELECTRIC HEATING

- Air entering the drier is heated by tubular electric fin heaters of 1.5 Kw each.
- Total heating load will be **14 KW**. The total heating load will be divided into **four** heating zones.
- Temperature of inlet hot air is controlled by **Digital temperature controller cum indicator**.

COOLING COIL ASSEMBLY

- Fabricated from SS 304 quality material.
- Air entering the drier is cooled by cooling coil.
- Cooling pressure 3.5 kg./cm
- Cooling Temperature of inlet hot air is controlled by **Digital temperature controller cum indicator**.

INLET BLOWER ASSEMBLY

- Blower interior fabricated from SS 304 quality material dynamic all balanced housed in S.S. 304 quality Scroll.
- Improved impeller drive system with high temperature bearings and motor mounting arrangement for lower vibration and sound levels.
- It is driven by 1.5 HP/1400 RPM/415 V/50 Hz/AC Supply Non-flame proof Motor.
- Air circulation inside the sterilizer chamber will be by this blower assembly.

INLET AIR UNIT

- Pneumatically operated butterfly valve is provided.
- Inlet & Exhaust Air Unit can be installed outside the Mfg. Area.
- **Extra charge shall be applicable for the ducting.**

HANDLING ACCESSORIES

HOLDING CASSETTES

Fabricated from S.S. 304 quality these cassettes are designed to ensure maximum penetration of the sterilizing medium and with a view to Guarantee optimum space utilization.

Sr. No.	Chamber				
	Width	Height	Depth	Volume(m2/ft)	Capacity(liter)
1	450mm	450mm	900mm	0.18/6.75	180
2	600mm	600mm	1200mm	0.432/16	432
3	600mm	600mm	1500mm	0.54/20	540
4	900mm	600mm	1500mm	0.81/20	810