

MODEL NO.: YSI-431

YSI HOT AIR STERILIZER (OVEN)

-Memmert Type As Per : IS - 3119

Due to progressive policy of continuously developing high quality products, YSI Hot Air Sterilizers have unique design.

All the instruments are subjected to tough quality control before despatch. These are designed principally to destroy Bacteria, Viruses, Fungus and Sterilize Surgical & Dental Instruments. Glass wares etc. by application of dry heat at temp. ranging between 140°C to 200°C as per IS 3119.

Construction : YSI Ovens are sturdy, with double walled construction. Inner chamber is made of Highly Polished Stainless Steel AISI 304 grade. Outer chamber is made of Mild Steel Sheet duly pre-treated in seven tanks process for surface treatment & are finished with durable Powder Coated Paint.

(S.S. Outer chamber is optional) 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber is fabricated with ribs to adjust shelves to any convenient height. Supplied with 2 or 3 removable shelves. Shelves are made of polished SS Sheet. Insulated door is fitted with heavy hinges with a special design spring - loaded door closing device. Door gasket is made of synthetic rubber compound

Heating Element : Heating elements are made of high grade imported Nichrome wire, properly insulated and are generally placed at the bottom and both side ribs for uniform temperature all over the space.

Temperature Control : Temperature is controlled by Imported capillary type Thermostat. Temperature control knob of each oven is graduated in centigrade degrees after actually observing the temperature is steady state. Supplied with L-shaped prismatic glass THERMOMETER fitted on top of the Oven for reading the chamber temperature. Wide temperature 50°C to 250°C $\pm 1^\circ\text{C}$ ovens for various applications.

Ventilation : Air ventilator ports provided on both sides at top to ventilate, gases and fumes if any.

Control Panel : The equipment is provided with a panel having a thermostat control knob. ON/OFF switch, two pilot indication lights and provision for fixing the TIMER.

Power Requirement : Supplied with cord and plug. Suitable to

MODEL NO.: YSI-431A

YSI STERILE DRY HEAT STERILIZER WITH "HEPA" FILTERED

Fresh Air Suction Device

(Sterile Oven)



operate on 220 V single phase, 50 Hz, AC supply.

Size of inner chamber:

W	x H	x D	Cap.	No. of Shelves	Load
300	x 300	x 300 mm	27 liter	2	1.5 kw
355	x 355	x 355 mm	45 liter	2	1.5 kw
455	x 455	x 455mm	92 liter	2	2.0 kw
455	x 605	x 455mm	125 liter	3	2.2 kw
605	x 605	x 605 mm	220 liter	3	2.5 kw
605	x 910	x 455mm	250 liter	3	2.5 kw
605	x 910	x 605 mm	330 liter	3	3.0 kw

- These sizes are provided with air circulating fan as standard feature.

Optional Accessories :

- Air Circulating Fan.
- Digital Display Temp. Indicator in lieu of L-Shaped Thermometer.
- Digital Display Temp. Controller-Cum-Indicator in lieu of thermostat & L-shaped thermometer.
- Micro processor based PID temp. controller-cum-indicator in lieu of thermostat & L-shaped thermometer.
- Timer

Spare Accessories :

- L-shaped thermometer
- Stirrer with 1 /20 hp motor with S.S rod & blades.

Available in various chamber sizes Inner chamber made of S.S.304 grade

W	x H	x D	Ltrs.
300	x 300	x 300mm	28
355	x 355	x 355mm	45
455	x 455	x 455mm	95
455	x 605	x 455mm	125
605	x 605	x 605mm	224
605	x 910	x 455mm	252
605	x 910	x 605mm	336

TEMPERATURE CONTROL