

## **YORLAB® HOT AIR STERILIZER (OVEN) DIGITAL (NEW)** **Model No.: YSL / YSI-431Ex.**



-Mettler Type as per IS : 3119

### Specifications:

- The very unique design is ideal for the applications in all biology and microbiology laboratories such as medical and veterinary ; research and quality control examination in pharmaceutical, food and cosmetics industries and biotechnology.
- Latest state of art heating system controlled by PID microprocessor control system and a unique insulation endow with highly precise and constant temperature.
- Very homogeneous temperature distribution in the chamber is obtained by natural forced air convection which means minimum instability and no cross contamination.



- Corrosion Free Rigid Construction :The inner chamber of the Hot Air Sterilizer is made of Seamless Corrosion resistant Stainless Steel 304 for a longer lifetime and easy cleaning.



- Temperature Uniformity Excellent temperature uniformity is obtained by incorporated PID control system which maintains the temperature very precisely.

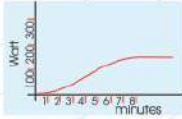
- Lowest Power Consumption Algorithm Even though the system has high wattage heater to act in response to any selectable temperature more quickly compared to other system, but only a fraction of the heater wattage is consumed when the set temperature has been achieved, saving of energy



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- Soft Start for Heater
- In built soft start for the heaters prolongs the heater life.



Display (Control Panel)

**Automatic Key Lock Feature:**

- This feature ensures that no manipulation could be done within the system while operated by an un-authorized person.

**Remote Monitoring, Alarms, and Controls:**

- The system incorporates user friendly feather touch buttons for setting temperature, delay time and process time which could be seen on Seven Segment Display. LED's indicates the mode of operation.
- All the process date could be recorded to remote computer via RS232/RS485 or an optional attachment for the printer could be provided.

**Data Retentive Delay and Process Timer:**

- This feature ensures that the material inside is objected to the set temperature for the set time only, irrespective of any power cuts or voltage fluctuations.

**Specifications:**

Temperature Range	Ambient-250°C
Temperature Sensor	RTD (PT 100)
Control System	PID, Programmable Microprocessor
	Temperature Set & Display Sensitivity'
	1°C
Temperature Fluctuation	± 1°C
Timer	999 Min delay + 999 Process
Useful Volume, liter	28.5, 45, 96, 128, 227, 256, 341
No. of Shelves	2, 2, 2, 3, 3, 3, 3
Power Consumption, Kw	1.0, 1.0, 1.5, 2.0, 2.5, 2.5, 3.0
Power Supply, Volts AC.	230V, 50 Hz.
Internal Material	S.S 304 Polished
External Material	M.S. Sheet, Powder Coated.

**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 455 mm	92 liter	2	2.0 kw
455 x 605 x 455 mm	125 liter	3	2.2 kw
605 x 605 x 605 mm	220 liter	3	2.5 kw
605 x 910 x 455 mm	250 liter	3	2.5 kw
605 x 910 x 605 mm	330 liter	3	3.0 kw

**External Dimensions:**

W	x	H	x	D
515	x	660	x	655 mm
565	x	710	x	705 mm
665	x	815	x	785 mm
665	x	970	x	785 mm
815	x	970	x	785 mm
815	x	1275	x	785 mm
815	x	1275	x	935 mm

**Salient Feature:**

- Compact, Ergonomic Overall Design
- Corrosion Free Rigid Construction
- Lowest Power Consumption Algorithm
- Soft Start For Heaters
- Automatic Key lock Feature
- Remote Monitoring, Alarms, and Controls
- Date Retentive Delay and Process Timer