

Laboratory Oven

HSMLE Laboratory Oven is a unique test cabinet designed to detect the change in the physical characteristics of the material and to ascertain the actual working life of the testing device at elevated temperatures.

They are used for high-forced volume thermal convection applications. These ovens generally provide uniform temperatures throughout. Process applications for laboratory ovens can be for annealing, drying sterilizing, and other industrial/laboratory functions.

Some types of industries that typically use these laboratory ovens are the healthcare industry, technology industry, agriculture, medical & food industries, research labs etc.



HLO-D SERIES

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FEATURE:

- The insulation Gap between the walls is at least 100 mm. and high-temperature Ceramic blankets are used as insulation material.
- The air circulation motor is mounted on side/top of the equipment and the Blower is driven by belt pulley attachment. It protects the motor from Heat build-up and damage.

TECHNICAL SPECIFICATIONS:

Model No.	HLO-27D	HLO-43D	HLO-91D	HLO-122D	HLO-216D	HLO-324D
Chamber Size (mm)	300X300X300	50X350X350	450X450X450	450X600X450	600X600X600	600X900X600
Load	1.0kw	1.25kw	1.50kw	2.0kw	2.5kw	3.0kw
Shelves (Perforated)	2/3 Nos. of S. Steel load-bearing wire mesh shelves					
Max. Temp. Range (°C)	Ambient to 450 °C					
Working Temp. Range (°C)	Upto 400 °C					
Heating	Kanthal A class Nichrome wire Heater provided to maintain the required temperature					
Temp. Controller	Display PID microprocessor-based Controller cum Indicator.					
Temp. Accuracy	+/- 1.0 %					
Temp. Uniformity	+/- 1.0 %					
Door	Heavy insulated double-walled S. Steel (304) sheet-lined door with Silicon Gasket					
Air Circulation Fan	Heavy-duty Fan Motor with Belt pulley attachment for continuous Air Circulation inside the chamber					
Ventilation Port	For Circulation of fresh Air and for fixing of thermometers for calibration of temperature (on both sides)					
Safety Feature	Over temperature cut off					
Material	Chamber	Stainless steel (304 grade)				
	Outer	Mild Steel grey/blue Powder coating of 20 Gauge with the insulating wall of suitable materials like mineral glass wool (100 mm)				
Power supply	230 V AC, Single phase, 50 HZ or 415 V AC, Three phases, 50 HZ					

OPTIONAL:

- **Timer:** Automatic digital timer to control on/off cycle.
- **Outer Body:** Stainless steel in lieu of powder-coated mild steel.
- **Economy Model:** Same as above but with Analog thermostat in lieu of digital controller cum indicator.

Note: *Due to continuous product development, product image & Specifications are subject to change.
*Customization can be done as per user requirements.