



LABORATORY OVEN

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BLO-D SERIES



DESCRIPTION:

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

APPLICATION:

Laboratory oven are used for high-forced volume thermal convection application. These ovens generally provide uniform temperature throughout. Process application for laboratory ovens can be for annealing, drying sterilizing, and other industrial/laboratory function.

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

FEATURE:

- The insulation Gap between the walls is at least 100 mm. and high temperature Ceramic blanket 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 upend damage due to it.

TECHNICAL SPECIFICATIONS:

Model No.	BLO-27D	BLO-43D	BLO-91D	BLO-122D	BLO-216D	BLO-324D
Chamber Size (mm)	300X300X300	350X350X350	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 pully attachment for continous 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 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 phase, 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 continue product development, product image & Specifications are subject to change.
 *Customization can be done as per user requirement.