

Laboratory Hot Air Oven



A Complete Dry Sterilizer

HOT AIR OVEN

Product Description

BIOGENIX Oven Provide heated conditions for curing, drying and exposures for high temperature testing with high accuracy and superior Quality.



STANDARD FEATURES

- External Material: cold – rolled steel with anti- bacterial powder coating.
- Stainless steel inner chamber, round angle structure, adjustable shelves
- PID Control with LED display ,soft touch operational Key, timing
- Function and over temperature protection .Door with double –layer tempered glass.
- Observation Window , adjustable air –tight bucket lock ,and silicon rubber seal ability and efficiently prevent heat loss
- Chamber size 14”14”14”

TECHNICAL SPECIFICATION

Model	BS-O-30C	BS-O-70C	BS-O-140C	BS-O-270C
Capacity	43L	70L	140L	270L
TEMP.RANGE	50~250°C			
Temp.Fluctuation	±1°C			
Ambient temp	5~40°C			
Timing Range	1-9999 min			
Shelves NO.	2 PCS		3 PCS	
Power Consumption	850W	1000W	2000W	3000W
Power Supply	220V ±10%,50/60HZ;Optional:10%, 60 HZ			
External Size (W*D*H)mm	635*615*552	680*653*631	830*665*772	930*765*972
Internal Size (W*D*H)	350*350*350	400*390*450	500*500*550	600*600*750
Package Size	780*750*700	870*700*800	960*780*950	1060*880*1150
Gross Weight	60kg	70kg	105kg	145kg

Hot air oven Parts and Functions

- ▶ **External cabinet:** The External cabinet is made of stainless sheets. It covers the inner chamber.
- ▶ **Glass wool insulation:** The space between the inner chamber and external cabinet is filled with Glass wool. It provides insulation to the hot air oven.
- ▶ **Inner chamber:** The inner chamber of the hot air oven is made of Stainless steel.
- ▶ **Tubular air heaters:** They help to generate heat within the inner chamber. Two Tubular air heaters are located on both sides of the inner chamber.
- ▶ **Motor-driven blower:** It helps in uniformly circulating the air within the chamber.
- ▶ **Temperature sensor:** It measures the temperature within the hot air oven and displays it on the controller screen.
- ▶ **Tray slots:** The inner wall of the chamber contains several tray slots that hold the trays.
- ▶ **PID temperature controller:** It maintains the accurate temperature during the entire cycle. It also controls the temperature and also displays the temperature values.
- ▶ **Load indicator:** it indicates the hot air oven is overloaded.
- ▶ **Mains on/off switch:** It helps to turn on/ turn off the hot air oven.
- ▶ **Safety thermostat:** It is also known as an over-temperature protection device. It keeps your oven and specimen safe in case of controller malfunction.



Mechanical Convection

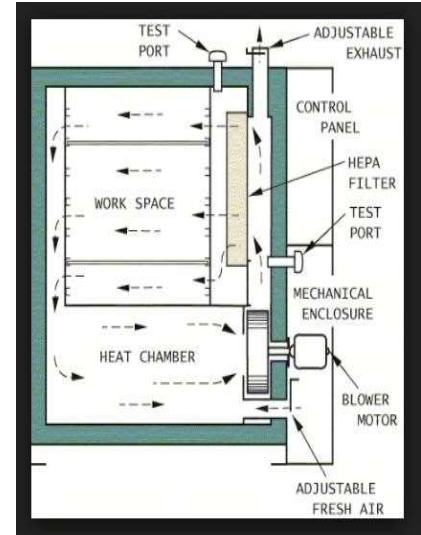
Mechanical Convection is a gravitation convection oven served with a re-circulating fan in a working container.

Hot air oven Pros/Advantages

- No need to water to sterilize the material.
- Not much pressure is created like autoclave which creates it easy to manage and also makes it safer to work with.
- In a laboratory environment, it is more fitting to use as compared to other sterilizers.
- Hot air oven is much smaller in size as compared to autoclaves and also more effective.
- A hot air oven can be more speedy than an autoclave and higher temperature can be achieved as compared to other means.
- The operating procedure is simple as compared to other sterilization methods.
- Its price is low as compared to autoclave.

Hot air oven Application

- It is used to dry glassware, sterilize N95 masks, general instruments, and packaging items in life science, microbiology laboratory.
- It is also used in chemical and pharmaceutical industries, food and beverage industries, textile industries.
- It helps in the elimination of moisture from the material thus it is used in curing, drying, baking, and annealing.
- It is also used for the Measurement of mixed liquor suspended solids (MLSS).
- In certain laboratories and hospitals, it is used to store materials at a constant temperature.



Documentation

- Complete with IQ, OQ, PQ Documents
- Operation and maintenance manuals
- Training to end users.

Size Capacity and Ordering Details

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Dealer Details:-



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