



HOT AIR OVEN

Complete Solution for Life Science Research

HOT AIR OVEN



Hot Air Oven are designed to generate heat with blower assisted air re-circulation inside the chamber at temperature from ambient to **300°C**. In general, they are also called forced air circulating oven and widely used to dry glassware, sterilize N95 mask, general instruments and packaging items. They also used in life science, microbiology laboratory, MLSS analysis and many research based applications. There are various industries, where hot air circulating ovens are used such as, chemical and pharmaceutical industries, food and beverage industries etc.

Technical Specification

Description	Hot Air Oven
Chamber Design	Triple walled
Inner Chamber	Inner chamber made of stainless steel 304 Grade
Outer Chamber	Outer chamber made of mild steel and finished with powder coated.
Insulation	Insulation between inner and outer chamber is filled with high grade glass wool with a gap of 100mm thickness, to withstand maximum Temperature 300° C
Air Circulation Fan Motor	The motorized forced air circulation is provided at the back to maintain uniform temperature inside the chamber
Heaters	Air Heaters are made up of high grade kanthal wires of suitable wattage
Gasket	An asbestos rope or Neoprene is provided for the door to avoid air leakage and temperature loss from instrument
Trays	3 Perforated removable stainless steel trays at the fixed distance
Gasket	Rubber gasket and latch is provided for the door is provided for the door to avoid air leakage and temperature loss from Instrument.
Safety	Automatic switch off of fan when door opens
Temperature Range	5°C above ambient to 300°C
Temperature Controller	Microprocessor based PID temperature controller with dual display (Process value and set value), low and high limit setting with Cr AI Thermocouple
Temperature Accuracy	0.1°C
Power Supply	230 Volts Single Phase 50Hz, AC supply
Temperature Uniformity	± 3°C.
Temperature Resolution	0.1°C
Power in [watts]	3000

Ordering Information:

Cat#	Description	Qty
BIO-HO-01	Hot Air Oven (300x300x300mm)	1 No
BIO-HO-02	Hot Air Oven (450x450x450mm)	1 No
BIO-HO-03	Hot Air Oven (450x450x600mm)	1 No
BIO-HO-04	Hot Air Oven (600x600x900mm)	1 No

BIO WORLD

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