

HOT AIR OVEN



DESCRIPTIONS :-

We customize ovens in various temperature ranges, material of construction and chamber dimensions. Maximum operating temperature range of these ovens are 200°C, 250°C and 300°C, which is controlled through microprocessor based PID controller, which displays both set value (SV) and process value (PV) and plays important role in temperature control. Forced air circulation is maintained using branded motor driven blower system. For heating, we use ceramic bead heating Elements or tubular air heaters for high temperature. Each unit is fitted with over temperature protection device (safety thermostat), which keeps your oven safe in case of controller failure.

Our hot air oven are having attractive design, rugged construction and easy to clean surface; therefore, internal chamber of our ovens is made of thick gauge of stainless steel (SS 304 / SS 316). Corners are such designed that cleaning becomes an easy job for operator. Shelves are made of stainless steel wire mesh cable; these are removable in order to adjust the height level. Depending upon size of internal chamber quantity of shelves may vary from 2 to 7 or more. External cabinet is made of either powder coated mild steel, GI sheet or stainless steel as required. For easy mobility of large ovens, caster wheels with brake are fitted at the bottom.



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We offer several optional accessories to fit in your hot air oven; such as, explosion proof heater, digital timer, PLC based HMI controller, RS485 computer interface, 21 CFR software, data logger and circular chart recorder, HEPA filter air inlet etc.

- External cabinet
- Glass wool insulation
- Inner Chamber
- Tubular Air heaters
- Motor driven blower
- Temperature sensor
- Tray slot
- PID temperature controller.
- Load indicator
- Main on/off switch
- Safety thermostate
- Corrosion resistant exterior
- Digital temperature controller cum indicator
- Stainless steel cable trays
- Over temperature protection.



sales@helixbiosciences.com



www.helixbiosciences.com



+91-11-41613622
1800-890-4669

REGISTERED OFFICE :-

A-7, SOUTH WEST DELHI, NARAINA INDUSTRIAL AREA PHASE 1, NEW DELHI - 110028

MANUFACTURING :-

PLOT NO. 360, IMT INDUSTRIAL ESTATE, SECTOR 68, FARIDABAD, HARYANA - 121004

HOT AIR OVEN



Technical Specifications :-

Temperature range	Ambient +5°C to 250°C (Optional 300°C)
Temperature accuracy	±1°C
Temperature sensor	PT100
Temperature controller	Microprocessor PID controller Display of SV & PV
Construction	Double walled
Inner chamber	Stainless steel Mild steel 304
Exterior	powder coated
Insulation	Glass Wool
Shelves	SS wire mesh cable trays (removable)
Door	Insulated solid door with clamp
Door gasket	Synthetic rubber gasket
Air circulation	Motor driven blower assembly
Vent port	1 or 2 depending upon chamber size
Temperature variation and readability/set ability	±5°C



HOT AIR OVEN



Safety
Circulation

Over temperature protection
Aero dynamic internal design
for achieving horizontal air circulation

Optional

Up to 250°C and 300°C, Perforated inner walls
Pass through (two side doors) Access ports for
sensors & data monitoring Digital timer 99 hours
99 minutes, Fan speed controller Programmable
controller for ram & soak Toughened glass
window, Stainless steel exterior (GMP model)
RS232 / RS485 interface, Data logger with USB
interface HMI & PLC automation, Caster wheels
with lock, U Shaped Nichrome Air Heater



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Standard size and Dimensions :-

Model	Size (inch) (LDH)	Capacity (liters)
HBS-28HAO	12" X 12" X 12"	28 liters
HBS -45HAO	14" X 14" X 14"	45 liters
HBS -95HAO	18" X 18" X 18"	95 liters
HBS -125HAO	18" X 18" X 24"	125 liters
HBS -216HAO	24" X 24" X 24"	216 liters
HBS -250HAO	18" X 24" X 36"	250 liters
HBS -340HAO	24" X 24" X 36"	340 liters
HBS -400HAO	28" X 28" X 40"	400 liters
HBS -540HAO	60" X 75" X 120"	540 liters
HBS -768HAO	31.5" X 31.5" X 47.2"	768 liters
HBS -1000HAO	39.4" X 39.4" X 39.4"	1000 liters
HBS -1600HAO	36" X 47.2" X 59"	1600 liters

