

AMBINOVA TECHNOLOGIES PVT. LTD.

ISO : 9001:2015

ISO : 13485:2016

HOT AIR OVEN

► PREMIUM SERIES

DESCRIPTION

A hot air oven is a specific type of forced convection oven that employs dry heat for the sterilization of laboratory instruments, glassware, and medical devices. It operates by circulating extremely hot air around the items to eliminate microorganisms. For effective sterilization, it is essential that heating is uniform on all surfaces. We offer a range of hot air ovens in various sizes, suitable for applications from benchtop to laboratory settings. The internal temperature of the oven is regulated by a thermostat, while double-walled insulation retains the heat within. Additionally, we incorporate over-current and over-temperature safety features to enhance the durability of the heating element. The hot air oven manufactured by Ambinova can achieve an internal temperature of up to 250°C, ensuring the effective destruction of microorganisms and their spores.



KEY FEATURES

- Superior insulation that improves chamber stability and reduces heat load output to the laboratory and operation power consumption, that lowers operation cost.
- Advanced microprocessor PID control technology that guarantees rapid ramp-up times and includes extensive diagnostic LED indicators.
- PID controllers feature a programmable capability.
- A premium door seal combined with an eccentric hinge guarantees optimal gasket compression, thereby maintaining a consistent chamber temperature.
- Castor wheels facilitate smooth movement.
- Short circuit breaker and overload protection enhance safety.
- Temperature safety device is incorporated to prevent temperature overshoot.
- Forced-air circulation provides exceptional temperature stability, resulting in prompt and precise outcomes.

OPTIONAL FEATURES

- Protection against overcurrent and overvoltage.
- Safety measures for earth leakage.
- Provision for automatic door locking in high-temperature scenarios.
- Do not operate the fan and heater when the door is open; an audio-visual alarm will activate in such conditions.

SPECIFICATIONS

Model	AMBI-HAO-45P	AMBI-HAO-90P	AMBI-HAO-150P	AMBI-HAO-250P	AMBI-HAO-400P
Capacity	45 liters	90 liters	150 liters	250 liters	400 liters
Temp Range	Amb +5 to 200°C	Amb +5 to 250°C	Amb +5 to 250°C	Amb +5 to 250°C	Amb +5 to 250°C
Temp uniformity	±1 At 37 °C	±1 At 37 °C	±1 At 37 °C	±1 At 37 °C	±1 At 37 °C
Temp accuracy	±0.5 At 37 °C	±0.5 At 37 °C	±0.5 At 37 °C	±0.5 At 37 °C	±0.5 At 37 °C
Time Range	9 days 59 min.	9 days 59 min.	9 days 59 min.	9 days 59 min.	9 days 59 min.
Glass View Door	Yes	Yes	Yes	Yes	Yes
Digital Display	LED	LED	LED	LED	LED
Microcontroller Based	Yes	Yes	Yes	Yes	Yes
No. of Shelves	2	2	3	3	4
Inner Dimension (W x D x H) mm	349 x 350 x 348	448 x 450 x 448	600 x 600 x 498	786 x 546 x 572	750 x 600 x 900
Overall Dimension (W x D x H) mm	699 x 528 x 739	815 x 694 x 850	1047 x 780 x 916	1231 x 725 x 1007	915x 885 x 1225
MOC Internals	1004 x 833 x 1044	1120 x 999 x 1155	1352 x 1085 x 1221	1536 x 1030 x 1313	1215 x 1185 x 1525
MOC Outer Body	SS304	SS304	SS304	SS304	SS304
Castor Wheel	GI powder coated No	GI powder coated No	GI powder coated Yes	GI powder coated Yes	GI powder coated Yes

*Optional - Outer body material construction SS 304 sheet.

ABOUT COMPANY

Ambinova Technologies Pvt Ltd is dynamic and forward-thinking manufacturing company specializing in laboratory instruments designed for Life Science and Healthcare Laboratories. With a commitment to excellence, Ambinova has earned a reputation for producing high-quality, laboratory instruments that meet the evolving needs of scientific research, diagnostics, and analytical testing.

Mission:

Through innovative design, rigorous quality control, and a commitment to customer satisfaction, we strive to be the premier provider of reliable, accurate, and cutting-edge laboratory instruments. With a dedication to continuous improvement and technological advancement, we aim to enhance the efficiency, productivity, and success of scientific community.

Vision:

Our vision is to be one of the most trusted and value-adding companies Globally.

Products and Services:

Our extensive range of laboratory equipment includes Drybath, Incubators, Autoclaves, Laminar Air Flow, Shakers, and Laboratory Furniture. Each product is meticulously crafted using the qualified and tested materials and cutting-edge technology, ensuring optimal performance and reliability. Our talented team work collaboratively to drive progress, solve complex challenges, and deliver exceptional value to our clients.

CERTIFICATIONS



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