

AMBINOVA TECHNOLOGIES PVT. LTD.

ISO : 9001:2015

ISO : 13485:2016

AUTOCLAVE

► ECO SERIES

DESCRIPTION

The Eco series by Ambinova comprises a range of autoclaves designed with features specifically aimed at fulfilling the sterilization needs of diverse laboratories. This series incorporates advanced multi-layer safety mechanisms to prevent any undesirable incidents. These sophisticated autoclaves are equipped with premium features to guarantee optimal performance. The distinctive door-locking system of the Eco series facilitates seamless and legs-free operation, while maintaining the highest safety standards and ensuring a leakproof process. The internal insulation encasing the tank provides a consistent temperature with minimal variation throughout the sterilization chamber. Additionally, the internal ventilation system contributes to the long-term reliability of the control unit. The Eco series is suitable for sterilizing nutrient media, culture media, waste materials, instruments, pipettes, glassware, and biohazardous materials. It is effectively utilized for research applications and in GMP-compliant laboratories for the industrial production of culture media, pharmaceuticals, and vaccines.

FEATURES

- Leak-resistant sealing utilizing a high-temperature red silicone gasket.
- Safety valve for high pressure and vacuum relief system.
- SS wire mesh basket.
- Dual LED numerical display.
- Exhaust fan designed for ventilation of the outer chamber.
- Water outlet valves facilitate convenient drainage.
- Caster wheels enable effortless mobility and positioning.
- Automatic purging and exhaust system.
- Distinct single liver door locking mechanism featuring an automatic pin locking system.
- Detection system for low water levels.
- Indicator for door status.
- Facility for automatic cycle resumption.
- Insulation system for the internal tank.
- Heating elements for immersion water.





Leakproof sealing utilizing a high-temperature red silicone gasket.

PID-controlled keypad display system.



A traditional pressure gauge featuring a digital display of the measurement.

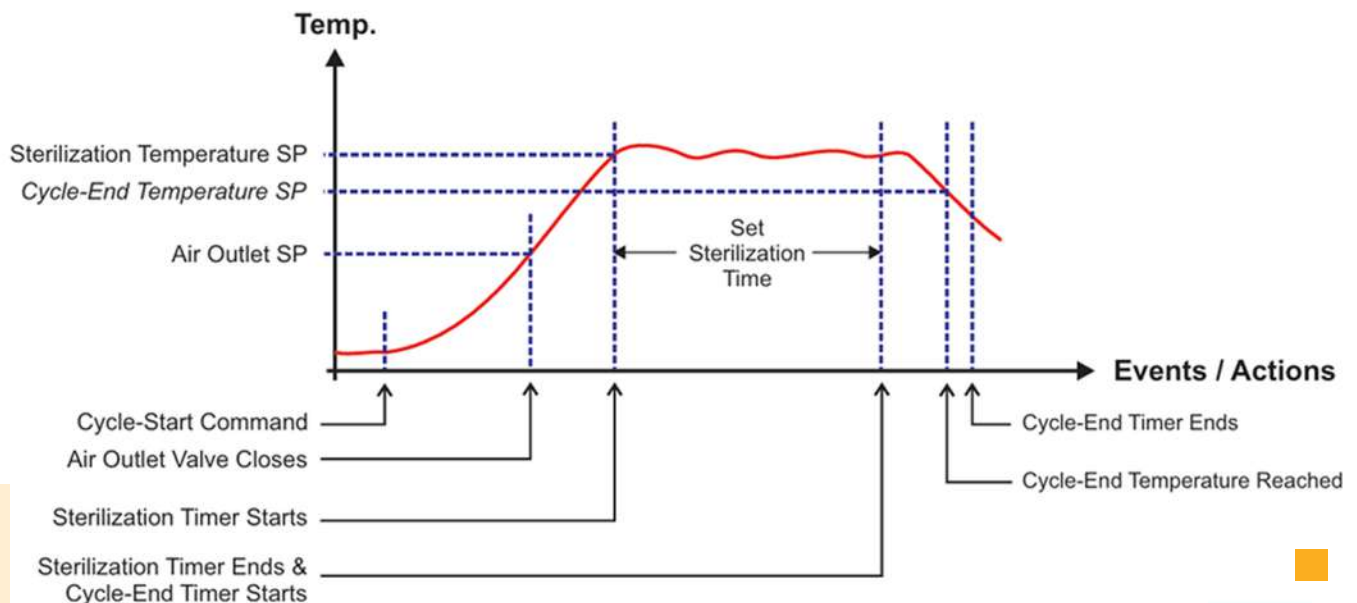


Cooling fan for electrical panel.



A six-pin locking mechanism featuring a single lever locking capability.

SOV and safety valves.



CYCLE OPERATION

SPECIFICATIONS

Model	AMBI-VAV-500E	AMBI-VAV-750E	AMBI-VAV-900E	AMBI-VAV-1500E	AMBI-VAV-1800E
Operating Temperature range	121 °C				
	45-95 °C				
	Upto 99 °C				
Maximum Operating Pressure	15 PSI				
Temperature	Digital				
Pressure	Analogue				
Heat Source	35 PSI				
	2.25Kw	3 KW	3.5 KW	4 KW	4.5 KW
Safety Devices	*Water Level Sensor *LID Interlock *Over temperature protection *Over Pressure Protection *Pressure Safety Valve				
Time	Digital				
	0 to 999 Mins				
Chamber Dimension	350 x 550	400 x 600	450 x 570	500 x 750	500 x 891
Chamber Basket Dimension	280 x 450	355 x 500	380 x 245	450 x 320	475 x 800
Capacity	50	75	90	150	180
Outer body dimension	530 x 550 x 840	590 x 595 x 885	630 x 670 x 855	680 x 720 x 1010	680 X 720 X 1352
Outer body material	GI sheet powder coated				
Inner body material	SS 304 sheet				
Gross weight	60	100	120	140	180
Voltage	220	220	220	220	220
Shipping Dimention	1354 x 835 x 880	1401 x 893 x 925	1373 x 935 x 1000	1529 x 985 x 1050	1532 x 715 x 1050
Environmental Conditions	Ambient temperature 15 to 45 deg Cel				
	Ambient Pressure :- Atmospheric				
	Relative Humidity:- 30 to70 %				

OPTIONAL SPECIFICATIONS :-

- Operating temperature range for sterilization 135 deg C
- Maximum operating pressure 30 PSI
- Outer body material SS 304 sheet

CAT.NO.	DESCRIPTION
AMBI - VAV - AC1	Stainless steel wiremesh basket
AMBI - VAV - AC2	Stainless steel perforated sheet basket

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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