

AMBINOVA TECHNOLOGIES PVT. LTD.

ISO : 9001:2015

ISO : 13485:2016

AUTOCLAVE

► PREMIUM SERIES

DESCRIPTION

The Premium series by Ambinova comprises a range of autoclaves designed with features specifically tailored to fulfill the sterilization needs of various laboratories. This series incorporates built-in multi-layer safety mechanisms to prevent any undesirable incidents. These advanced autoclaves are equipped with high-quality features that guarantee optimal performance. The distinctive door-locking system of the Premium series facilitates smooth and legs-free operation while ensuring superior safety and a leakproof process. Internal insulation encasing the tank maintains a stable temperature with minimal gradient throughout the sterilization chamber. Additionally, the internal ventilation system promotes the long-term durability of the control unit. The Premium series is suitable for sterilizing nutrient media, culture materials, waste media, instruments, pipettes, glassware, and biohazards. It has been successfully employed for research purposes as well as in GMP-grade laboratories for the industrial production of culture media, pharmaceuticals, and vaccines.

FEATURES

- Leak-proof sealing utilizing a high-temperature red silicone gasket.
- A distinctive single liver door locking system featuring an automatic pin locking mechanism.
- High-pressure safety valve and vacuum relief system
- A colored and smooth touchscreen display is employed to provide detailed information regarding the process.
- Five progame option for set the temperature.
- Digital display for detecting low water levels.
- Indicator for door status.
- Digital display for heating, air exhaust valve, and alarm notifications.
- USB connectivity facilitates the connection of the PC and enables data export.
- Historical data records.
- Automatic termination of the cycle when high temperature safety limits or low water levels are reached.
- Calculation and indication of F0 value.
- Automatic resumption of the cycle feature.
- Safety password security for user.
- Safety mechanism of the lid lock during pressure buildup.
- Short circuit protection and overload safeguard.
- Stainless steel wire mesh basket.
- Exhaust fan for ventilation of the outer chamber.
- Water outlet valves for convenient drainage.
- Caster wheels for effortless mobility and positioning.
- Internal tank insulation system.
- Immersion heating elements for water.
- Dot Matrix Printing Interface.



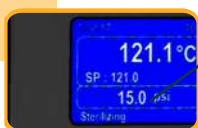


Leakproof sealing utilizing a high-temperature red silicone gasket.

PLC based touch screen display



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

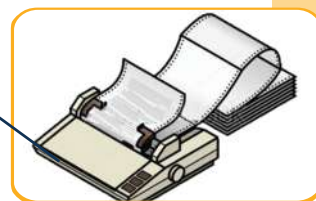


Cooling fan for electrical panel.

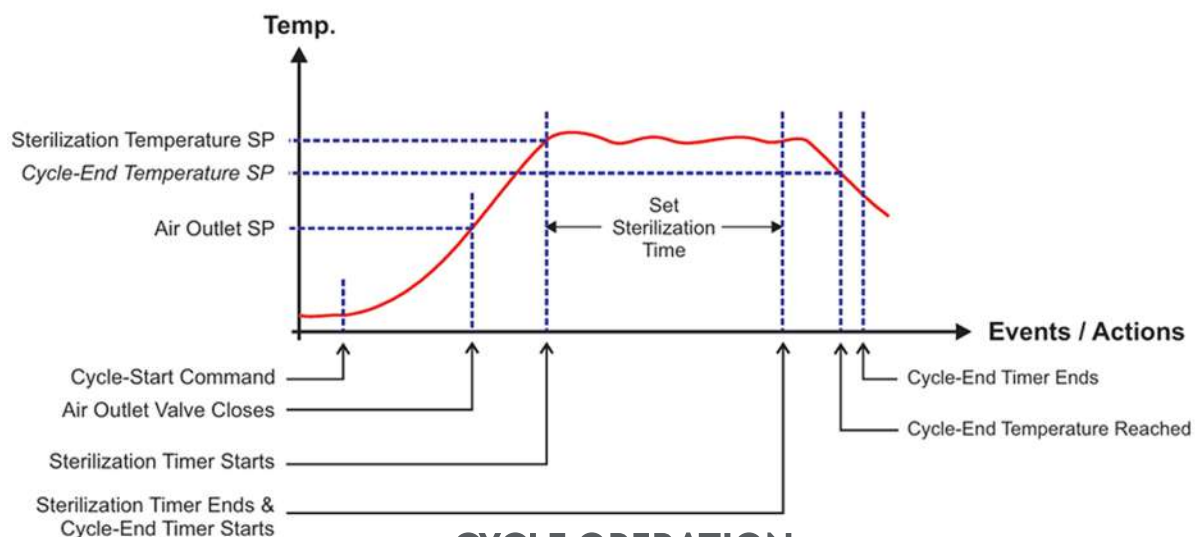


A six-pin locking mechanism featuring a single lever locking capability.

External direct printer interface



SOV and safety valves.



SPECIFICATIONS

CAT NO.	AMBI-VAV-500PR	AMBI-VAV-750PR	AMBI-VAV-900PR	AMBI-VAV-1500PR	AMBI-VAV-1800PR
Operating Temperature range	121 °C				
Warming	45-99 °C				
Purging	Upto 99 °C				
Maximum Operating Pressure	15 PSI				
Temperature	Digital				
Pressure	Analogue				
Analog Pressure Gauge Max value	35 PSI				
Heat Source	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				
Time Range	0 to 999 Mins				
Chamber Dimension	350 x 550	400 x 600	450 x 570	500 x 750	500 x 917
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 (W x D x H) mm	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 - PRAC5	Dot matrix printer
AMBI - VAV - AC1	Stainless steel wiremesh basket
AMBI - VAV - AC2	Stainless steel perforated sheet basket
AMBI - VAV - AC3	Ethernet Port

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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