

AUTOCLAVE VERTICAL FULLY AUTOMATIC

THE PLT – 101(A) SERIES



APPLICATION

- ★ Automatic Autoclave Vertical is most ideal for critical applications requiring assured and reliable total destruction of all living micro-organisms.
- ★ Automatic Autoclave Vertical is low cost options for general sterilization ideal tool for Laboratories, Hospitals, Nursing Homes, R&D labs etc, Pharmaceutical, Food & Beverage Industries and Institutions.

SALIENT FEATURES AND CONSTRUCTION

- ★ Inner & Outer Chamber, constructed from S. S. 304 Grade
- ★ Bucket / Basket Made of Stainless Steel
- ★ Water Level Indicator
- ★ Lid Closing by Radial Locking System
- ★ Sealing of Lid by Neoprene Rubber Gasket
- ★ Lid is fitted with Pressure Gauge, Spring Loaded Safety Valve
- ★ Operating range from 15psi to 20psi pressure
- ★ Sterilizing Temperature up to 134°C
- ★ Tested up to 2.5 times of required Pressure
- ★ Fully automatic models requiring no human intervention till a full sterilization cycle is over
- ★ Fitted with a (Programmable Logic Controller) LCD Display with respect to time and temperature
- ★ Enabling user automatic purging of stale air
- ★ Sterilizing hold time system for sterilizing period and cycle
- ★ Automatic exhaust of pressure
- ★ Audio alarm/ buzzer is raised at the end of the cycle
- ★ Voltage: 220 Volts AC (50 Hz)



TANCO®

An ISO 9001: 2008 Certified Co.



TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

Model No.	ACA-1	ACA-2	ACA-3	ACA-4	ACA-5
Inner Dimensions (D x H)	250 x 450mm	300 x 500mm	350 x 550mm	450 x 600mm	550 x 750mm
Inches Conversion	10 x 18	12 x 20	14 x 22	18 x 24	22 x 30
Capacity	22 ltrs	40 ltrs	50 ltrs	98 ltr	152 ltr
Working Load	2.0 KW	2.0 KW	3.0 KW	4.0 KW	6.0 KW
Gasket	Made of Neoprene Rubber				
Sterilizing Pressure	1.2 kgf/cm				
Pressure Guage	30 psi				
Operating Pressure	From 15-20 psi				
Inner Pressure Tank	SS-304				
Basket	Made of SS				
Top Lid	Mild Steel Plate lined with Stainless Steel from inside				
Lid Tighting	Radial lock system work with handle				
Lid Opening	Paddle lifting device				
Water level Indicator	Fitted on the outer chamber				
Boiler Hydraulically tested	Upto ± 40 psi				
Accuracy	± 3 psi				
Controller	μ Processor Based Fully Automatic Fuzzy Logic Control System				
Display	16x4 line Alphanumeric Digital LCD with backlet display with SV and PV				
Timer and Buzzer	Fitted with AUTOMATIC DIGITAL MINUTE TIMER				
Safety Device	Spring Loaded Type				
Water Draining System	Hand Operated Valve				
Heating	By ISI marked emersion heater				
Steam & Vacuum Release	By Valve				
Digital pressure controller	With electronic transducer and siphon				
PLC based control system	Touch Screen (HMI) with respect to time and temperature programmable by user				
Power Supply	220/230V AC, 50/60Hz				

CONTROL PANEL AND SWITCH GEARS

- ★ μ Processor based Controller with time and temperature satiable by user.
- ★ Pt-100 sensor, for precise monitoring.
- ★ Low water level alarm and cut off for safety of heater.
- ★ End of cycle buzzer.