

OVEN UNIVERSAL MEMMERT TYPE WITH DIGITAL CONTROLLER

THE PLT-125(A) SERIES

APPLICATIONS

- Double Walled Oven Universal(Memmert Type) is elegantly designed in various applications for microbiology, cell cultivation of animals and plants, food studies; general heating, drying, sterilizing, baking, to perform: material tests, ageing of computer chips, run complex experiments with highly sensitive loads, drying or tempering electronic components, hardening plastic resin. Our U universal oven stands for unparalleled precise, even and gentle temperature control.
- Double Walled Oven Universal(Memmert Type) is low cost options for heating— for various experiments in, industries, R&D labs, Pharmaceutical, Food & Beverage Industries and Institutions— in the field of Medical, Agricultural and Industrial Research.



SALIENT FEATURES & CONSTRUCTION

- Outer chamber is made of Mild Steel duly powder coated.
- Inner chamber made of ALUMINIUM or STAINLESS STEEL (304) sheet.
- Forced convection system by motor & blowers fitted ensures good mixing, strong dispersion and maintains higher temperature uniformity inside the chamber & no cross contamination.
- Thermal loss is prevented by filling mineral wool (Insulation) in space between the outer body & Inner chamber.
- Door Gasket fixed on the double walled door for proper sealing.
- Fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated.
- Adjustable two ventilation slides control inner air / vapour circulation.
- Beaded heating elements made of high quality Nichrome/Kanthal wire are placed in ribs, at bottom and sides for uniform heat distribution.
- Inner chamber has ribs for placing the shelves at convenient levels. Supplied with 2 or 3 removable shelves.
- Temperature is controlled by electronic digital temperature indicator cum controller from 50°C to 250°C \pm 1°C. fitted on the front panel for easy operations.
- Different programme functions can be designed for a wide variety of applications, and even when used
- Temperature is displayed by Digital LED with SV and PV display at front of the oven.
- Front Panel is provided with ON/OFF switch, temperature controller and indicators
- Operating Voltage: 220 Volts AC (50 Hz).



TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

Model No:	OVE 1	OVE 2	OVE 3	OVE 4	OVE 5	OVE 6	OVE 7	OVE 8
Inner Chamber In mm (W x H x D)	300 x 300 x 300	355 x 355 x 355	455 x 455 x 455	455 x 455 x 605	455 x 605 x 605	605 x 605 x 605	605 x 455 x 910	605 x 910 x 605
In. conversion	12 x 12 x 12	14 x 14 x 14	18 x 18 x 18	18 x 18 x 24	18 x 24 x 24	24 x 24 x 24	24 x 18 x 36	24 x 24 x 36
Heating Load	1.0 KW	1.0 KW	1.5 KW	1.5 KW	2.0 KW	2.5 KW	2.5 KW	3.0 KW
No. of Shelves	2	2	2	2	2	2	3	3
Temperature Range	50°C to 250°C							
Temp. Controller	By Microprocessor Based PID Digital Temperature Indicator cum Controller							
Temp. Sensitivity	+1°C							
Air Circulation	By forced convection system							
Relay	Solid state electronic relay with protective heat sink							
Autotuning System	System is compatible with auto tuning system							

OPTIONAL FEATURES

Controlling of Temperature	By Profile (Micro Programmable Controller)
Audio Alarm System	Activates at end of cycle Buzzer
Timer Facility	Can be in built with Digital Electronic Timer
Communication Port	RS – 485 with Window based software
PLC based Control System	With Touch Screen Display with Direct Thermal Printer

