

BACTERIOLOGICAL INCUBATOR



APPLICATION

- Used for microbial culture incubation and bacterial growth in laboratories.
- Ideal for pathology, microbiology, and pharmaceutical labs.
- Employed in biochemical and clinical studies for culture sensitivity tests.
- Suitable for food, water, and dairy testing laboratories.
- Used in research and quality control departments for biological sample incubation.

KEY FEATURES

- **Material Of Constructions** The incubator is built with a double wall — the inner chamber made of stainless steel (SS 304) and the outer body made of powder-coated mild steel. The space between the walls is insulated with high grade mineral wool to prevent heat loss and ensure energy efficiency.
- **Insulation** Made of stainless steel (SS 304) for easy cleaning and corrosion resistance.
- **Digital Temperature Display** Microprocessor based PID controller with digital display for accurate monitoring.
- **Temperature Control** Precise temperature range typically from ambient +5°C to 80°C for accurate bacterial culture growth.
- **Adjustable Shelves** Removable perforated trays for convenient sample placement.
- **Glass Door** Allows observation without disturbing internal conditions.
- **Air Circulation** Forced air circulation system for uniform heat distribution.
- **Safety Features** A built-in safety thermostat cuts off power if the temperature exceeds the set limit, protecting samples and ensuring safe operation..
- **Energy Efficient** Insulated chamber minimizes heat loss and power consumption.

TECHNICAL MATRIX

Model No.	PTE-402 A	PTE-402 B	PTE-402 C	PTE-402 D	PTE-402 E	PTE-402 F	PTE-402 G
Inner Size in mm (W x D x H)	300x300x300	355x355x355	455x455x455	455x455x605	605x605x605	605x455x910	605x910x605
Inches Conversion	12"x12"x 12"	14"x14"x14"	18"x18"x18"	18"x18"x24"	24"x24"x24"	18"x24"x 36"	24"x24"x36"
Capacity	28 ltrs	43 ltrs	90 ltrs	120 ltrs	215 ltrs	240 ltrs	325 ltrs
Heating Load	1.0 KW	1.0 KW	1.5 KW	1.5 KW	2. 5 KW	2. 5 KW	3.0 KW
No. of Shelves	2	2	2	2	2	3	3
Temp. Range	Ambient above +5°C to 80°C						
Temp. Controller	Microprocessor based PID indicator cum controller						
Air Circulation	By F.H.P motor (Fractional Motor)						
Temp. Accuracy	±1°C. or better 0.5 °C						
Temp. Display	LED / LCD / Touch screen HMI PLC Display						
Power Supply	220/230VAC, 50/60Hz						

OPTIONAL ADD-ONS

1. Digital timer of 9999 digits
2. HMI PLC touch display
3. Extra perforated and Wire Mesh trays
4. Other customizations are also available with us

