

## FLUID WARMING CABINET



### APPLICATION

- **Preheating of Laboratory Reagents and Solutions:** Ensures temperature uniformity and stability before critical laboratory processes or tests.
- **Medical and Clinical Use:** Maintains saline, irrigation fluids, and IV solutions at body-safe temperatures for patient care, surgeries, and transfusions.
- **Pharmaceutical Production and Quality Control:** Used for temperature conditioning of samples, chemicals, and media before formulation or analysis.
- **Biotechnology and Life Sciences Research:** Prevents condensation or temperature shock in sensitive biological or chemical samples.
- **Industrial and Chemical Laboratories:** Keeps viscous materials or chemicals at optimal flow temperatures for testing and analysis.
- **Veterinary Hospitals and Diagnostic Centers:** Provides pre-warmed fluids for medical and laboratory applications.

### KEY FEATURES

- **Uniform Temperature Distribution:** Advanced air circulation system for consistent internal temperature.
- **Digital PID Temperature Controller:** High accuracy control with LED display for real-time monitoring.
- **Adjustable Shelving:** Stainless steel trays for flexible storage of various bottle sizes.
- **Double-Walled Insulated Chamber:** Minimizes heat loss and ensures efficient temperature retention.
- **Safety Features:** Over-temperature protection, alarm indicator, and automatic shut-off.
- **Corrosion-Resistant Construction:** Inner chamber made of stainless steel (SS 304), outer body powder-coated.
- **Silent Operation:** Noise-free performance ideal for hospital and lab environments.
- **Energy Efficient:** Low power consumption design with high-grade insulation.
- **Easy Maintenance:** Smooth internal surfaces for quick cleaning and sterilization.



## TECHNICAL MATRIX

MODEL	PTE-FW 408 A	PTE-FW 408 B	PTE-FW 408 C	PTE-FW 408 D
Inner Size WxDxH Inches	18"x16"x24"	20"x16"x33"	23"x22"x34"	24"x24"x36"
Capacity	113 LTRS	173LTRS	282 LTRS	340 LTRS
Heating Load	1.0 KW	1.0 KW	1.5 KW	1.5 KW
No. of Shelves	2	2	2	2
MOC	Outer MS Duly powder coated and inner Chamber is of SS 304 grade/SS 316 grade			
Temp. Range	Ambient above +5°C to 90°C			
Temp. Accuracy	±0.5°C. or better 0.2 °C			
Temp. Display	LED / LCD / Touch screen HMI PLC Display			
Insulation	Glass Wool			
Heaters	Resistance Wire Heaters			
Temp. Controller	Microprocessor based PID indicator cum controller			
Air Circulation	Motor Driven Blower			
Doors	Insulated Doors Spring Latch			
Shelves	Removable Wire Mesh Shelves			
Supply	220/230 Volts Single Phase 50 Hz			

## OPTIONAL - ADD ONS

- Full Stainless Steel Construction
- Temperature low/high deviation alarm
- LED light inside the chamber
- RS232 PC Interface