

REFRIGERATED CIRCULATING WATER BATH (CHILLER)

APPLICATION

- The unit serves the dual purpose i. e. it can be used as a stand alone unit. As well as, a part or subsystem of some bigger system.
- The Unit is ideal for external temperature control applications to external systems such as Rotary Vacuum Evaporators, Refractometers, Polarimeters, Fermenters, Electrophoresis Chamber, Chromatography Columns, Condensers, Rheometers, and general laboratory cooling applications.

KEY FEATURES

- A compact refrigerated/heating circulator.
- Double walled construction.
- Inner Tank made of Stainless Steel (SS-304 grade).
- Outer chamber is made of Mild Steel duly powder coated.
- Heating by immersion heaters
- Cooling by sturdy refrigeration unit done by ISI mark compressor / Condensing Units CFC free & R-134 a ecofriendly refrigerant.
- Temperature range 5 °C to 100 °C
- Controls temperature within an accuracy of $\pm 1^{\circ}\text{C}$ by microprocessor based digital temperature indicator cum controller.
- Temperature stability is maintained by internal circulation in bath
- Thermal loss is prevented by filling PUF (Insulation) in space between the outer body & stainless steel tank.
- Low noise level.
- To work on 220/230V AC supply

TECHNICAL SPECIFICATION

Model No.	PTE 705 RW A	PTE-705 RW B	PTE-705 RW C
Temp Range	-10°C to 100 °C.	5 °C to 50°C	-20 to 50 °C
Approx. Heating Load	2.0 KW	2.5 KW	3.0KW
Top Lid	Double walled insulated		
Temp Controller	Microprocessor PID Controlled		
Internal Size	250x250x250 mm (WxDxH)		
Pump Flow Rate	8L/min		
Tank Capacity	10 L		
Cooling	By CFC free compressor		
Refrigerant	R-134A		
Temperature Accuracy	$\pm 1^{\circ}\text{C}$.		
Temperature Display	Digital LED with set value (SV) & process value (PV).		
Temperature Sensor	RTD (Pt-100)		
Supply	220/230 50 Hz Single Phase		

