



Double walled , inner stainless steel, outer CRC powder coated , Glasswool insulation ,temp. controlled by Dual Display Microprocessor based Digital Temp .Controller, Pump cum stirrer to circulate liquid at closely controlled temp. through external apparatus like Brookfield Viscometer, Refractometer etc. Pump output 8 liters/min at zero head .Tank volume 12 Ltrs. approx . Solid state with Digital proportional Control,Larger tank sizes and variable pump out put available on request at extra cost, working on 230 v single phase.

Applications :

Ideal for precise temperature control of external devices, such as a distillation apparatus, automatic flash point apparatus, fermenter, heat exchangers, jacketed reaction vessels, material testing, analytical instrumentation, condensers and mini plant installation

Salient Features:

- Designed to circulate external closed loop applications
- The unit is compact and unique in design.
- Easy to operate and install
- Precise temperature stability for repeatable results
- Space saving design - uses minimal space
- Can be used for open bath applications
- Inner working chamber is fabricated from Mirror polished Stainless Steel Material S.S. - 304 grade
- Top and lid are also fabricated from Stainless Steel Material S.S. - 304 Grade.
- External body is manufactured from mild steel material, which is powder coated in attractive shades.
- The gap between internal and external walls is insulated with PUF Insulation of suitable thickness to prevent any heat loss (Thermal Loss).
- Unit is also equipped with circulating pump to maintain uniform temperature distribution throughout the bath media.
- Cryostat also has external circulating facility. Pump cum Stir to circulate liquid at closely controlled temperature through external devices like Brookfield Viscometer, Refractometer etc.
- Pump output is about 8 liters/min at zero head.

Note: Specifications are subject to change.

- Temperature is controlled by Dual Display Microprocessor Based Digital Temperature Controller cum indicator, fitted at the top of the bath for easy operation.
- Temperature setting knobs allow the user to select and set any desired temperature within the range. Below ambient temperature can be achieved by a powerful cooling system using hermetically sealed compressor of KIRLOSKAR COPELAND make with air cooled condenser.

| Technical Specification | |
|-------------------------|---|
| Temperature Range | -10 °C TO 100 °C |
| Temperature Control | Microprocessor based PID Controller with RTD Sensor(PT 100) |
| Temperature sensor | PT-100 Sensor |
| Temperature Accuracy | ± 0.2 °C |
| Temperature Resolution | 0.1 °C |
| Compressor | Hermetically Sealed Compressor |
| Condenser | Fin & Tube type Air Cooled Condenser |
| Refrigerant | R134-a |
| Refrigeration System | KIRLOSKAR COPELAND make |
| Pump Flow Rate | 8 to 10 LPM (at zero head) |
| Maximum Head | 1.5 meters |
| Chamber volume | 12 Liters |
| Lid Opening | 200 x 200 mm |
| Dimensions | (300 x 200 x 200) mm (D x L x W) |
| Operation on | 230 Volts, 50 Hz, Single Phase, AC Supply |
| Overall Dimensions | 1050 X 550 X 650 (L X W X H)MM |

Note: Specifications are subject to change.