



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

ULTRA LOW TEMP. KINEMATIC VISCOSITY BATH - (-40°C) - COMPLETE S.S.



Compliance with following International Standards :

ASTM D445, IS 1448 (P-25), ASTM D446

Application :

Used for determination of kinematic and intrinsic viscosity Of fuels, lubricants & petrochemical raw materials at constant temperatures in accordance with ASTM D4603, d446 and other equivalent methods

Annexure :

- Microprocessor based circuitry assures precise, reliable temperature control within specified tolerances throughout the operating range of the bath i.e. -40 °C to ambient temperature.
- Dual digital displays show set and actual bath temperature
- Simple push button controls and digital display permits easy setting and monitoring of bath temperature.
- Bath accommodates 04 Nos glass capillary reversion viscometers of various types at a time
- Viewing the viscometers is made easy by glare-free fluorescent illumination.
- Temperature control uniformity is assured by means of motorized stirrer, which provides complete circulation without turbulence.
- Frost free glass window for low temperature bath
- Control panel is mounted on a side of the bath
- Complete exterior body is fabricated from S.S.304

Technical Specifications of Refrigeration System:

- Refrigeration system : Emerson/Danfoss Make refrigeration system
- Compressor : Hermetically Sealed Compressor
- Condenser : Fin & Tube type Air-Cooled Condenser
- Refrigerant : R134a

Optional Accessories At Extra Cost :

- Voltage Stabilizer (**Highly recommended**): **Price On Request**
- Temperature calibration certificate as per ISO/IEC : 17025 (NABL): **Price On Request**
- Thermometer glass - ASTM 126C/ASTM 127 C or any other range as per the application: **Price On Request**
- Glass U Tube Viscometer: **Price On Request**
- viscometer rack for safe keeping of U Tube Viscometer - can accommodate 6 tubes on a bench top: **Price On Request**

Note

Use of RO/DM Water as a bath media is mandatory for long lasting performance of Heaters. Warranty void in case of non compliance

Technical Specification

•Bath	:
•Dimensions of bath	: 300 x 260 x 300 mm (L x W x D)
•Volume of the bath	: 23 Liters capacity
•Temperature Control	: Range : -40 °C to ambient
•Temperature controller	: Microprocessor based Auto Tune PID Digital Temp controller cum indicator
•Temperature sensor	: PT 100 Sensor
•Temperature Display	: LED Display
•Display resolutions	: 0.1 °C
•Temperature Accuracy	: ± 0.5 °C
•Heater	: Immersion heater
•Viewing window	: Vacuum glass window for frost free viewing below 5°C range
•Stirrer	: 1400rpm motor with stirrer for uniform Temperature
•Stirrer Motor	: Of reputed make
•Inner chamber	: Stainless Steel S.S. 304 Grade with tempered glass
•Exterior body	: Stainless Steel S.S. 304 Grade with tempered glass
•Illumination	: PL Lamp
•Accessories	: Supplied complete with Viscometer holders
•Accommodate	: 04 Nos of viscometers
•Bath Media	: ISOPROPYL ALCOHOL or suitable heat transfer fluid (To be supplied by user)
•Electrical Supply	: 220 volts, 50 Hz, AC Supply
•Power Consumption	: 2 KW
•Refrigeration System	:
•Refrigeration	: Emerson/Danfoss Make refrigeration system
•Compressor	: Hermetically Sealed Compressor
•Condenser	: Fin & Tube type Air Cooled Condenser
•Cascade System	: For below -40°C ranges
•Refrigerant	: R404a

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