

Technical Specification of Refrigerated Circulating Water Bath

1. System should have working temperature range of -15°C to 100 °C or better
2. Should have temperature stability $\pm 0.1^\circ\text{C}$
3. Should have Heater capacity at least 1600W
4. Should have circulating pump capacity with maximum flow rate at least 10 liter/min or better. Should have fast ramping rate (40 minutes to reach from 20 deg C to -15 deg C)
5. Should have Powerful circulation pump to ensure temp uniformity in both internal and external circulation. Should have connection with evaporator or viscometer.
6. Should have PID microprocessor temperature controller
7. System should have low line liquid level protection and also for high /low temperatures (Short circuit breaker, over heat protector, sensor abnormality, overload protector)
8. Should have Adjustable high temperature high cut off; audible alarm feature
9. Should have Rust free/ stainless Steel construction
10. Water drain for easy cleaning of the inner tank
11. Should have CFC Free refrigeration gas and proper insulation for temp uniformity in chamber
12. Should have Bath opening at least 200x120x150 mm
13. Should have volume at least 10L
14. Should be provided with a stand to incubate 1.5ml eppendroff tubes

Terms and conditions

15. Should be completely complying the point no 18.1 and 18.6 at page no. 16 of the AIMS tender documents.
16. All technical claims should be supported by product catalogue, public website of the manufacturer.
17. The system should be certified from European CE / UL / ISO 9001 for quality assurance.
18. Standard instrument comprehensive warranty for 5 years + 5 years comprehensive maintenance contract (CMC) after completion of 5 years warranty.

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comprehensive warranty and CMC.

five years) of each consumable separately, which are not included in CMC.

Please indicate page number/location of the compliance in the technical brochure.

supply system

provided.

अध्यक्ष/प्रोफेसर

श्री तीर्थ चंद जी/Dr. T. C. Nag

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Sudhanshu