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Product Name :

Circulating water bath with cooler unit

Product Code :

SLE/CE/55



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Description :

Circulating water bath with cooler unit (Product Code: SLE/CE/55) is a 40 litre heated and cooled water bath used to hold test specimens at a steady temperature for cement and asphalt testing. Its two-channel electronic thermoregulator controls both heating and cooling across +5 to +60 °C, while a re-circulating unit keeps the temperature uniform through the tank. This digital water bath is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India.

Specifications

Parameter	Detail
Capacity	40 L
Power	2000 W
Temperature range	+5 to +60 °C
Accuracy	± 1%
Inside dimensions	550 × 360 × 200 mm
Outside dimensions	830 × 480 × 950 mm
Weight	62 kg (approx.)
Temperature control	Two-channel electronic thermoregulator (heating/cooling) with digital display; automatically maintains the set temperature
Circulation	Re-circulating unit for temperature uniformity
Construction	Polished stainless steel internal surfaces; insulated sheet steel outer case
Cement use	Curing 40 × 40 × 160 mm cement specimens in water; storing hydrated samples at 20 °C
Asphalt use	Conditioning at temperatures from 25 to 60 °C
Product code	SLE/CE/55
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Circulating Water Bath with Cooler Used For?

Cement mortar prisms of 40 × 40 × 160 mm are cured under water at a controlled temperature, and hydrated samples may need to be stored at 20 °C — often below the room temperature of a laboratory, which is why this bath has a cooler as well as a heater. For asphalt work, specimens are conditioned in water at temperatures from 25 to 60 °C before testing, so one multi-purpose bath can serve both the cement and bitumen sections of a lab.

Fill the tank with clean water and let the thermoregulator settle at the set point before loading specimens. Leave space between specimens so the re-circulating flow can reach all faces, and drain and wipe the stainless steel tank periodically to keep it clean. The unit's 830 × 480 × 950 mm f

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