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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 supplied 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 |
| Supplied by | 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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