

Introduction

The CC26R, CC26R US & CC26R AUS is a refrigerated immersion cooler designed for use with the Grant OLS26 shaking water bath.

It enables the OLS26 to operate at sub ambient temperatures down to 0°C. Use this guide together with OLS26 Operating manual which is available online at www.grantinstruments.com



Read the whole of the instructions.

Safety may be impaired if they are not followed.

Getting started

Unpack the unit

The box contains:

- CC26R Cooling unit with coil attached
- Retaining plate
- Locking plate
- 2 thumbscrews
- Mains cord

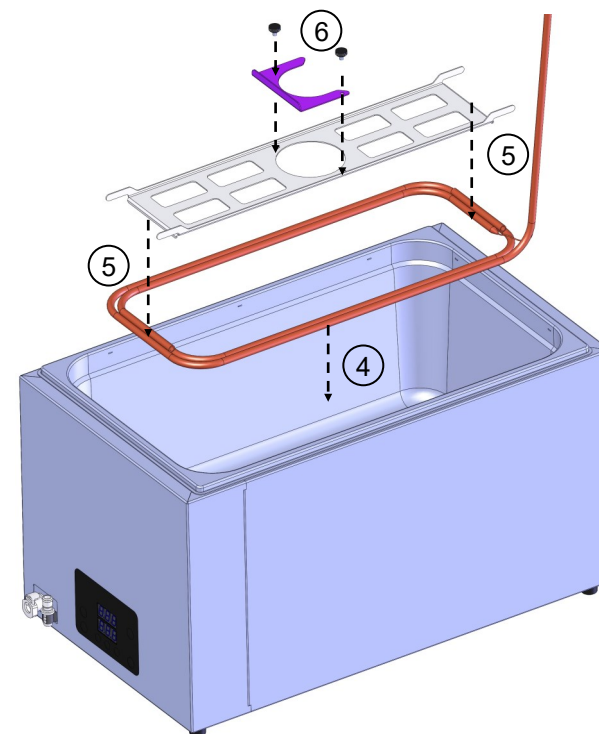
Retain the packaging for future storage and transport

Installation

1. Remove shaking tray and trolley from the OLS26
2. Position the CC26R cooling unit next to the OLS26
3. Ensure that the ventilation grilles are more than 100mm from any obstruction
4. Place the cooling coil in the base of the bath with the feed pipe at the rear
5. Hold in place with the retaining plate
6. Slide the locking plate onto the bath cam block housing and fasten with the 2 thumbscrews
7. Refit the shaking trolley and tray

Operation

1. Fill the bath with liquid. Grant recommend a 50% water and ethylene glycol (Anti-freeze) solution. See OLS26 operating manual for fill level recommendations
2. Connect to mains power using the mains cord supplied.
3. Set the required liquid control temperature using the OLS26 front panel controls
4. Power on the unit using the switch at the rear of the unit.
5. The bath is ready for use when the liquid has reached the control temperature. Allow time for the temperature to stabilise
6. Note: The cooling coil may be immersed in liquids up to 100°C but the cooler should only be used to cool down the liquid not to operate continuously above 40°C.



Safety



Read the whole of the instructions. Safety may be impaired if they are not followed.

No user serviceable parts. Risk of electric shock after disassembly or operation with covers removed.

After transport or storage in humid conditions, allow the unit dry out before connecting it to the supply voltage. During drying out the intrinsic protection may be impaired.

Connect only to a power supply with a voltage corresponding to that on the serial number label.

Connect only to a power supply which provides a safety earth (ground) terminal.

Only use the mains cord provided or one with an identical rating.

Ensure that the mains switch is easily accessible during use.

Ensure the cooling unit is placed on a firm level surface.

Do not block or restrict ventilation slots.

If liquid is spilt inside the unit, disconnect it from the power supply and have it checked by a competent person.

It is the user's responsibility to carry out appropriate decontamination if hazardous material is spilt on or inside the equipment.

Before moving, disconnect at the power supply socket.

When lifting, use top flange by the ventilation grilles at the front and rear or lift from under the base.

Technical



Electrical details

Mains supply: 220-240V @ 50Hz or 110-120V @ 60Hz
Pollution degree: 2
Installation Category: II

Note: Mains supply voltage fluctuations are not to exceed $\pm 10\%$ of the nominal supply voltage

Operating conditions

Ambient temperature: 5 to 40°C
Maximum relative humidity: 80% R.H. in room temp up to 31°C decreasing linearly to 50°C R.H. at 40°C
Altitude above sea level: up to 2000m
Indoor use only

Specification	CC26R/ CC26R US/ CC26R AUS
Cooling power @ 20°C	350W
@ 0°C	250W
Overall power consumption	500VA
Refrigeration gas	R134A 160g
Dimensions	460x305x225mm
Bath liquid operating temperature	0°C to 40°C
Weight	21kg

Maintenance



Cleaning

Dust the refrigeration condenser, cooling power will be reduced if the fins behind the front grille become clogged with dust.
Examine monthly and, if necessary, call a competent person to take off the cover and remove the dust.
The cases can be cleaned with a damp cloth after disconnection.
Do not use solvents.
The immersed parts can be cleaned with soapy water.

Replacing fuses

Disconnect the unit from the power supply socket. Remove the IEC power plug from the rear of the unit. Press down the drawer catch.
Pull out the fuse drawer, check and replace with the correct fuse.
1.25 x 0.25 inch ceramic quick acting rated: 240V: 10AF, 120V: 20AF

Disposal

This unit contains refrigerant gas, which must NOT be discharged to the atmosphere. At the end of the unit's working life, either have the gas removed safely by using refrigerant recovery equipment or return the unit to us for disposal.

Warranty

When used in accordance with the user instructions this product is guaranteed for 3 years against faulty materials and workmanship.

Customer Service

Contact: service@grantinstruments.com

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