



**C-Joule**  
Ohmic Heating Range

## DATASHEET:

C-Joule LAB 150  
Pressurised Batch Ohmic Heater

The C-Joule LAB 150 is our pressurised batch Ohmic Heater that allows for heating of a wide range of products of various conductivities up to 150°C. The C-Joule LAB 150 offers simplicity for the operator and is equipped with a control panel and touch screen HMI for accurate temperature, voltage and current measurement.



**CE marked**

### Features

- Rectangular product chamber for even heating between electrodes
- Fully safety interlocked including a bursting disc rated to 5.5 bar gauge
- Steam/condensation collection vessel
- A tilting mechanism to facilitate product handling and vessel cleaning
- Data logging of temperature, pressure, voltage, current and power via USB
- Elimination of a hot surfaces reduces thermal degradation of products
- Precise temperature control to set-point is achieved using our purpose designed control system

### Specifications

Unit height	1280 mm
Unit depth	750 mm
Unit width	1370 mm
Unit weight	190 kg
Max working volumes	2 L
Max working pressure	0 to 150°C
Fluid	Suitable for fluids or slurry only, material must remain in contact with the electrodes.
Conductivity range	0.3 S/m to 0.75 S/m
Heater body	Stainless steel body, PTFE, Silicone
Electrodes	Titanium with proprietary mixed metal oxide coating
Electrical power	Both 230V single-phase, 32Amp, 50Hz supply; and 415V 3-phase neutral and earth 63Amp, 50Hz supply

### Also Available

- C-Joule LAB 100 - Atmospheric Batch Ohmic heating
- C-Joule PLT Continuous Ohmic Heater
- C-Joule LAB PRD - Continuous Flow Ohmic Heater



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