



C-Joule
Ohmic Heating Range

DATASHEET:

C-Joule PLT Continuous Ohmic Heater

The C-Joule PLT is a Continuous 5 kw Ohmic Heater. It is our pilot scale ohmic heater capable of pasteurising pumpable liquid products. The design accommodates easily configured user changes to accommodate a large variety of products.



Features

- Skid mounted occupying a minimal footprint with a vertical flow path
- Frame mounting system allows the unit to be easily reconfigured
- 3 different heater configurations to accommodate a wide range of product conductivities
- Equipment is supplied with a pump with product flow rate control
- Control panel consists of a PLC and touch screen HMI for automated use. Includes data logging of temperature, voltage, current and power
- A temperature rise of 70°C in approximately 10 seconds
- Suitable for pumpable liquids (up to 1000cp) with very small particulate

Also Available

C-Joule LAB 100 - Batch Ohmic heating

C-Joule LAB 150 - Pressurised Batch Ohmic heater

C-Joule LAB PRD - Continuous Flow Ohmic Heater

Specifications

Unit height	1800 mm
Unit width	760 mm
Unit depth	1200 mm
Unit weight	160 kg
No of electrodes	3 (N-L-N)
Electrode spacing	Polycarbonate
Other materials	Stainless steel, PEEK, Silicone
Max Operating Temperature	90°C
Flow rate	60 litres/hour
Heater Internal Diameter	16 mm
Heating power	5kW required into all standard range conductivities at 60 l/h.
Power supply	Electrical Power 230V single phase, 32A, 50Hz supply
Conductivity Range	Range 0.2 S/m to 0.75 S/m



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