



C-Joule
Ohmic Heating Range

DATASHEET: C-Joule PRD Continuous Ohmic Heater

C-Joule PRD is our production scale continuous flow ohmic heater. It offers particular advantages over conventional heating technologies for viscous and heat-sensitive materials. Each installation is bespoke to particular requirements, based on the use of one or more standard Heater Modules.



Features

- Modular design. Depending on the required power input and throughput, one or more Heater Modules are used.
- Automatic control to temperature set-point.
- Real-time monitoring of product properties.
- Compact and flexible plant layout.
- Suitable for materials with high viscosity and particulate content, and sensitive to over-temperature.
- Suitable for integration with heat recovery and or pre-heating.

Specifications

Power	20 - 100 kW, three phase
Electrical heating efficiency	760 mm
Throughput	500 - 3000 kg/hour
Operating temperature	up to 230 °C
Operating pressure	up to 30 bar
Product viscosity	up to 30,000 cP
Product conductivity	greater 0.05 S/m
Heater internal diameter	32 mm
Electrodes	Inert chemical resistant
Other wetted materials	PEEK, fluoropolymer, range of gaskets

**Typical specification shown. Precise specification is subject to requirements.*

Also Available

C-Joule LAB PRD - Continuous Flow Ohmic Heater and Laboratory scale equipment



C - Joule is a registered trademark of C-Tech Innovation Ltd

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