

Electric Heating Solutions

High-Performance Products for Environments without Hot Water Systems



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Electric Product Range Overview

SPC's comprehensive electric product range delivers reliable, efficient heating and air barrier solutions for applications where hot water systems are unavailable or impractical. With over 50 years of British manufacturing excellence, our electric range combines proven reliability with modern energy efficiency.

Product	Key Applications
(Controllable) Electric Heater Batteries	Ducted systems, air handling units, central plants
Thermatile Electric Radiant Panels	Offices, hospitals, schools, spaces with high ceilings
Belgravia Electric Fan Convectors	Educational buildings, libraries, offices, places of worship
CiRRUS Electric Unit Heaters	Factories, warehouses, distribution centres, garages
Electric Air Curtains	Building entrances, public areas, commercial doorways
Metropolitan Electric Trench Heating	Floor-to-ceiling glazing, reception areas, hotels, restaurants

Why Choose Electric Heating?

- ✔ No pipework required – reduces installation time and complexity
- ✔ Ideal for renovations and retrofit projects
- ✔ Individual zone control for maximum efficiency
- ✔ Minimal maintenance requirements
- ✔ Quick response times for rapid heating
- ✔ No risk of freezing or water damage

Product Details

Electric Heater Batteries

Comprehensive range for ducted systems and air handling units using 8mm Incoloy heating elements. Supplied as a basic heating element for integration into existing control systems.

- Capacity: 0.5kW to 400kW in single section
- Configurations: Rectangular or circular
- Features: High temperature safety cut-outs



Rectangular heater battery for duct-mounting



Circular heater battery for duct-mounting

Controllable Electric Heater Batteries

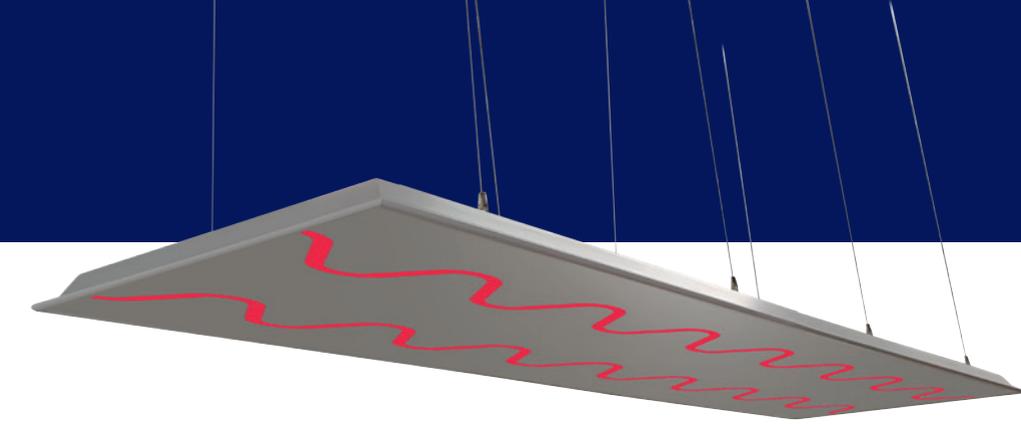
A turnkey solution for ducted systems and air handling units that integrates both power and control into a single pre-assembled package. These units use solid-state thyristor switching to provide continuous, modulated output control in response to localised sensors or building management systems.

- Capacity: Up to 9kW for single-phase, 135kW for three-phase systems
- Configurations: Circular duct mounting up to 630mm diameter or rectangular sizes to suit, including 20mm mez flanges
- Features: 0-10V BMS interface, high-grade 321 stainless steel heating rods, and integrated differential pressure flow proving switches plus high temperature manual reset cut-out



Rectangular

Circular



Thermatile Electric Radiant Panels

Radiant heating panels deliver direct warmth to occupants and surfaces rather than just heating air. Constructed from rigid aluminium sandwich panels with silicone rubber heating pads, these panels provide silent, maintenance-free operation with no air movement to circulate dust or pollutants.

- Sizes: 600×600mm (250W) and 1200×600mm (500W)
- Supply: Single-phase 230V
- Mounting: Free hanging with aluminium frames or drop-in for suspended ceilings

Belgravia Electric Fan Convectors

Available in both Classic and Tilevector ceiling tile configurations. The Tilevector (210mm high) fits neatly within standard suspended ceiling grids. Energy-efficient EC/DC fan motors reduce running costs significantly.

- Output: 3.0kW to 9.0kW (depending on model)
- Supply: 400V/3Ph/50Hz
- Configurations: Floor-mounted, ceiling tile



CiRRUS Electric Unit Heaters (Ci5)

Heavy-duty unit heater featuring PTC ceramic self-regulating elements with powerful axial fan. Designed specifically for industrial environments with horizontal wall mounting.

- Output: 9kW
- Supply: 400V/3Ph/50Hz
- Features: Two-speed operation, protective overheat switches



Metropolitan Electric Trench Heating

Fan-assisted units featuring ceramic PTC heating elements that self-regulate to prevent overheating. Installed beneath floor-to-ceiling windows to eliminate draughts and offset heat losses through glazing.

- Output: 1.00kW to 3.00kW
- Supply: Single-phase 230V
- Features: Quiet EC/DC crossflow fans, wide range of grille finishes



Electric Air Curtains

Powerful air barriers to prevent heat loss and cold draughts at building entrances. Available in AIRDOR Forcefield (up to 24kW) and iForce Industrial (up to 36kW) ranges, both 400V/3Ph/50Hz.

- AIRDOR Forcefield: Units 1.0m to 2.5m wide, suitable for mounting heights up to 3.5m
- iForce: Protects doorways up to 6m high, units 1.5m to 2.5m wide
- iForce features: 2-stage control, horizontal or vertical mounting



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