

Terminations for Tubular Elements

Terminals

Our range of terminals shown are fully assembled with nuts and washers etc., but are also available in unassembled form. These are in addition to a wide range of proprietary terminals.

All terminals are spot welded using the highest quality welding equipment available.

Each machine is also fitted with an electronic timer and weld checker to ensure our customers receive a fault-free finished product.



Cartridge Elements

BJC Stainless steel cartridge elements feature:

- High heat density
- Fast Heating
- Stainless steel sheaths providing a stable, non-oxidising surface
- Maximum surface temperature 650°C (1200°F)
- Heat resistant flexible tails
- Heating element supported on high quality ceramic and solidly compacted with magnesium oxide
- Precision diameter tube for close fit in machined holes
- Basic list of designs are readily adaptable to suit special requirements, sizes and ratings
- Clearly stamp rated- Watts/Volts/Code No.

Our range of cartridge elements is commonly used in plastic dies, moulds, platens, bag sealers, carton making, shoe machinery, food vending, defrosting, electrical switch gear cabinets and a host of other applications.

Please contact your local BJC agent for more information.

Tolerances

BJC cartridge elements are manufactured +0.00mm - 0.10mm for any given diameter. This sizing is maintained so that all units are a slide fit into a standard reamed hole. Thermal action will expand the element to ensure a close fit for maximum heat transfer.

In most applications cartridge elements are inserted into reamed holes and dissipate their heat by direct contact thus allowing loadings up to 6.2 watts/cm² of surface area of the cartridge (40W/in²)

In applications where they are not in direct contact such as defrosting and air heating in switch gear cubicles, etc., then the maximum watt density must not exceed 3.1 watts/cm² of surface area (20W/in²).

All sizes feature flexible nickel wire leads with double glass insulation. Standard lead length is 250mm but longer leads can be supplied on application.



ANTI-CONDENSATION/ CARTRIDGE HEATERS

For use in switch gear cabinets and similar applications to combat condensation problems.

| PART NO. | WATTAGE | LENGTH |
|----------|---------|--------|
| CART001 | 25W | 115mm |
| CART002 | 50W | 125mm |
| CART003 | 75W | 125mm |
| CART004 | 100W | 150mm |

- Available ex-stock
- Standard range diameter is 16mm
- Supplied with 250mm Tails
- Other diameters and lengths available upon request