

## Removable Core Elements



### APPLICATION

This range of ceramic core type elements is designed for use within metal sheaths for the heating of liquids and gasses. They are particularly recommended for use in equipment which requires element replacement, without the need for drainage of the system.

### FEATURES

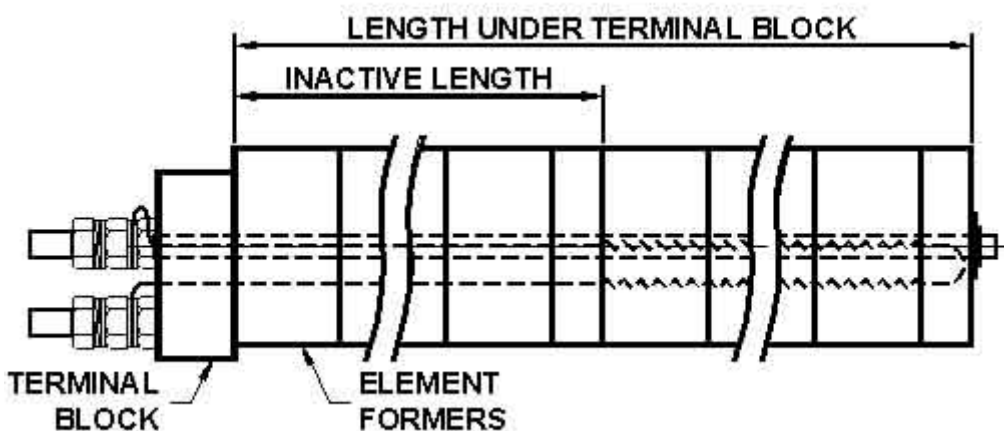
- Choice of terminal block/connection.
- Inactive length to meet customer's requirements.
- Available for horizontal or vertical mounting.
- Any length, voltage or wattage (within design limitations) to match customers existing installations.

### SPECIFICATION

- 80/20 nickel chrome resistance wire.
- Stainless steel tie rod.
- Surface density up to 4.35 w/cm<sup>2</sup>.
- Ceramic formers have high volume resistivity (10000 OHM cm at 800°C).

### GENERAL

- Custom built units available to suit particular applications.
- Varying styles of terminal block can be offered.
- Sheaths with/without mounting flanges/bosses in mild steel, stainless steel, brass/copper construction can be supplied if required.



**Material Specifications:**  
 Spiral - 80/20 Nickel Chrome  
 Tie Rod - Stainless Steel  
 Formers - Ceramic  
 Watts Density - 4.35 w/cm<sup>2</sup>

Style CA (45mm dia) for 48mm I.D. sheath

| Type | mm   | Length |  | Loading (kW) |            |
|------|------|--------|--|--------------|------------|
|      |      | Ins    |  | 20 w/sq in   | 10 w/sq in |
| CA8  | 203  | 8      |  | 1            | 0.5        |
| CA12 | 305  | 12     |  | 1.5          | 0.75       |
| CA16 | 406  | 16     |  | 2            | 1.0        |
| CA20 | 508  | 20     |  | 2.5          | 1.25       |
| CA24 | 610  | 24     |  | 3            | 1.5        |
| CA28 | 710  | 28     |  | 3.5          | 1.75       |
| CA32 | 812  | 32     |  | 4            | 2          |
| CA36 | 914  | 36     |  | 4.5          | 2.25       |
| CA40 | 1015 | 40     |  | 5            | 2.5        |

NB Special lengths available up to 8300mm under head

Style CB (35mm dia) for 36mm I.D. sheath

| Type | mm  | Length |  | Loading (kW) |            |
|------|-----|--------|--|--------------|------------|
|      |     | Ins    |  | 20 w/sq in   | 10 w/sq in |
| CB7  | 178 | 7      |  | 0.5          | 0.25       |
| CB12 | 305 | 12     |  | 1.0          | 0.5        |
| CB16 | 406 | 16     |  | 1.5          | 0.75       |
| CB20 | 508 | 20     |  | 2.0          | 1.0        |
| CB24 | 610 | 24     |  | 2.5          | 1.25       |

NB Special lengths available up to 8300mm under head