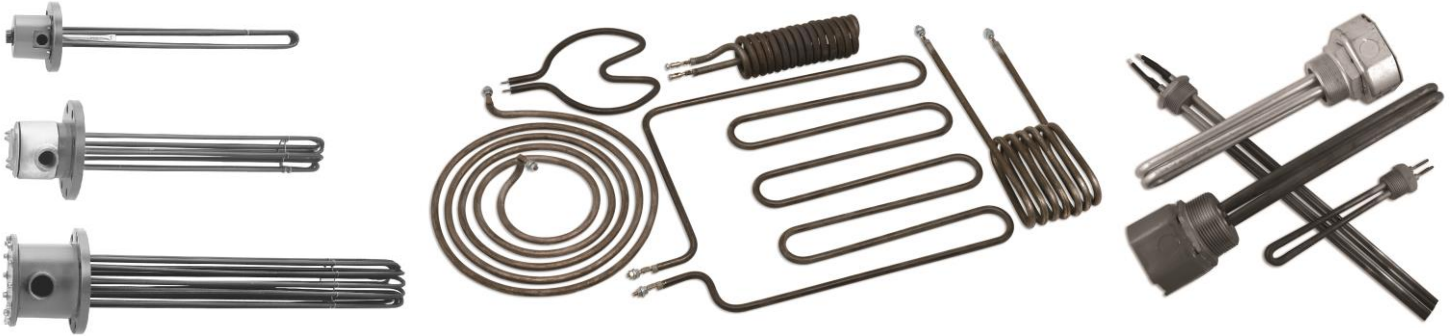




## Metal Sheath Elements

### Metal Sheath Heating Element / Metal Sheath

Argus Heating design, manufacture and distribute Metal Sheath Elements to your specific requirements. We hold a range of sizes, materials and terminals in stock, allowing Argus Heating to design an element to suit almost any application with a relatively short lead time.



#### Applications

Typically used in:

- Radiant Heating
- Convection Heating
- Water Heating
- Steam Generation
- Immersion Heating
- Process Heating
- Ovens
- Platens
- Seal Bars
- Defrost Elements
- Load Resistors
- Heat Transfer Oil Heating

#### Features

Custom design and bend formations available to suit your application, to replicate an existing design or repair a faulty element.

Heat wire spiral and cold length designed to match application.

Sheath can be protected from atmospheric corrosion, and mechanical abuse.

Silicone Resin or Epoxy Resin Seal options available for moisture proofing the elements.

Various termination options available:- Stud, plain pin, quick connect, lead-wire, bulkhead fitting, locator washer etc.

Available with or without a custom mounting bracket.

#### Construction

Sheath can be manufactured in Copper, Stainless Steel, Incoloy®, or Titanium.

The sheath surrounds a helical coil of nickel-chrome resistance wire, centred and tightly compacted by an electrical insulator and heat transfer medium of magnesium oxide.

Argus Heating typically use Incoloy® for 6.7mm diameter; titanium for 8mm diameter; and Incoloy® 800 or Incoloy® 840 for 11mm diameter.

Product	Water	Oil: Light	Oil: Heavy	Glycol	Caustic Solution
Watts/cm <sup>2</sup>	Up to 12	4	2	5.5	4

**Please contact Argus Heating to discuss your application and heating needs.**