



Pipe Insert Elements

Argus Heating design, manufacture, and distribute pipe insert elements, which provide an effective way to heat storage tanks, temperature sensitive materials and other difficult to heat materials.

Applications

Typically used to heat:

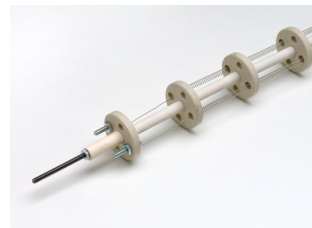
- Bulk storage tanks
- Viscous material
- Temperature-sensitive materials
- Corrosive materials
- Acids and alkalis
- Glucose
- Liquid sugar
- Fats and edible oils
- Bunker fuel oils
- Asphalt/bitumen

Features

- Heat is transferred to the inside pipe wall by convection and radiation.
- Large surface area reduces the pipe temperature, minimising any damage to the product.
- Extended life of element due to lower element temperature and non-contact with product.
- Easy element removal without the need to empty the tank.



Semi-enclosed ceramic.



Open coil ceramic.



Tubular metal sheath.

Construction

- **Open coil ceramic:** low to medium watt density applications, nickel chromium alloy supported by circular ceramic insulators.
- **Semi-enclosed ceramic:** high watt density applications, nickel chromium alloy fully supported by slotted ceramic insulators.
- **Tubular metal sheath:** high watt density applications or where vibration is present, metal sheath elements supported by metal spacers.
- **Custom design:** matched or designed for the application.

The following table shows the typical heat output per metre of pipe:

Product	Air	Tar	Oil	Water
Max watts/m	1500	1000	2500	3200

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