



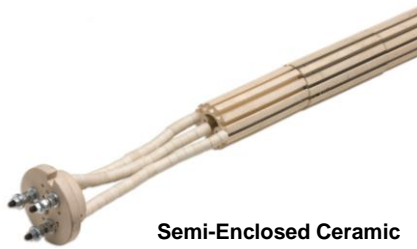
Pipe Insert Elements

Pipe Heaters / Pipe Insert Heaters / Pipe Insert Heating Elements / Insert Tank Heater / Pocket Heater

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. The Heaters fit into a pipe sleeve protecting the heater maximising the life of the heater and allowing it to be serviced without draining the storage tank. Argus Heating Pipe Insert Elements are suitable for a wide range of applications.



Open Coil Ceramic



Semi-Enclosed Ceramic



Tubular Metal Sheath

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 for emptying the tank.

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	1500	2500	3200

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