1.01.00 Tubular heating elements for liquids

Tubular heating elements provide a well-tried and safe technical solution for heating liquids. The many variants of Backer tubular heating elements provide the most popular alternative for liquid heating. We supply the best solution for each application, dependant on the medium to be heated, power and assembly.

>> Type of heating
- Direct – heating element inserted in liquid
- Indirect – heating element separated from liquid

>> Material
- Mild steel – Grade D
- Stainless steel – AISI 304/EN 1.4301, AISI 316L/EN 1.4404, UNS S31254, UNS N08904, Incoloy 800, Incoloy 825,
- Ferritic stainless steel material - 1.4510, 1.4512, 1.4521
- Copper – C12200

>> Dimension
- Ø 6.4, 8.5, 14, 16, 18, 21 mm

>> Exempel på applikationer
- Electrical water heaters
- Boilers
- Boiling pans
- Dishwashers and washing machines
- Solar heating
- Heating pump
- Desinfectors

>> Assembly
- Inserted heating element with flange
- Inserted heating element with screw plug
- Heating element with nipple
- Immersion heater
- Casted element for contract assembly

>> Connection
- Direct connection for installation in equipment
- M4, M6, flat pin, spot welded cable, Ø 2.5 mm pin
- Terminal box with/without temperature regulating device

>> Types
- One, two alt. three wattage ratings/element
- Connection at one or two ends
- According to customer specification
- Standard range
- Can be manufactured with UL, VDE approval

>> Thermal control/quality
- Integrated thermostat/temperature control
- Thermostat/temperature control in a protective tube

Example of product design