



Washing machine



Heat pump



Solar heating

1.01.00 Tubular heating elements for liquids

Tubular heating elements provide a well-ried 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