



Oven



Sauna



Fan heater

1.02.00 Tubular air heating elements

For air heating and radiation heating Backer tubular element are the most popular alternative. Backer manages a large number of production techniques, giving a choice within a wide range of element types. An optimal heat solution of an application is decided by user environment and operating temperature. Backer for example can supply element with an operating temperature of as much as 900°C.

>> Type of heating elements

Tubular heating elements
 Finned elements
 Fin strip elements
 Cast-in elements
 Aluminium elements

>> Material

Mild steel – Grade D
 Stainless steel:
 AISI 304/EN 1.4301,
 AISI 316L/EN 1.4404
 Incoloy 800
 R 323
 Ferritic stainless steel:
 1.4510
 1.4512
 1.4521
 Aluminium

>> Dimension

Ø 6,4, 8,5, 14, 18, 21 mm

>> Fields of application

Radiators/convectors
 Ovens, grills, frying tables
 IR-heaters
 Hot-air curtains
 Sterilization equipment

>> Assembly

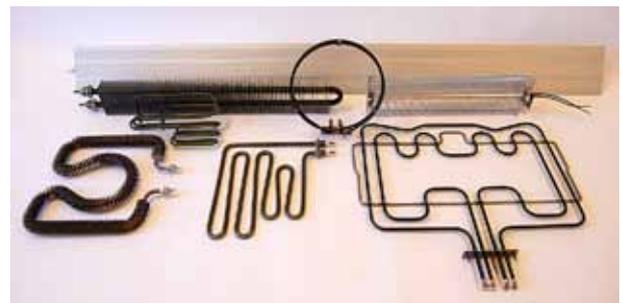
Fixing in the object with flange/nipple

>> Connection

M4, M6, flat pin, spot welded cable, round pin 2.5 mm

>> Types

One, two alt. three wattage rating/element
 Connection at one or two ends
 According customer specification
 Can be manufactured with UL, VDE approval



Example of product design