



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