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