

Superthal™ heating modules

Mini

Compact heating at high temperature

Superthal™ Mini is a complete compact heater ready to connect to the power supply. The standard inner diameter is 26 or 31 mm (1 or 1.2 in), and the maximum element temperature 1550°C (2820°F), which corresponds to a furnace temperature of around 1500°C (2730°F).



Superthal Mini is made of a Kanthal® Super molybdenum disilicide (MoSi_2) heating element and an insulation high grade ceramic fiber. The stainless steel casing protects the heater and the electric contacts.

Superthal Mini is easy to control and can be rapidly heated up and cooled. The temperature profile is uniform.

Applications

All types of melting and processing in the dental and medical industry and general material research and development.



SPECIAL FEATURES

- Reduced energy consumption
- Precise temperature control
- Uniform temperature distribution

Technical information

Specifications

Superthal™Mini consists of a Kanthal® Super MoSi₂ heating element, ceramic fiber with element supports and a stainless steel casing also protecting the electric contacts.

It is ready to be connected to the power supply.

The lifetime exceeds 3000 cycles to 1500°C (2730°F).

Special dimensions can be manufactured on request.

Product name

Superthal Mini, MS 26 or MS 31.



PROPERTIES

Inner diameter	26 or 31 mm (1 or 1.2 in)
Outer diameter	100 mm (3.9 in)
Height	115 mm (4.5 in)
Element temperature	up to 1550°C (2820°F)
Element type	Kanthal Super special

MS 26

Power	300 W at 1500°C (2730°F)
Voltage	19 V
Current	16 A

MS 31

Power	400 W at 1500°C (2730°F)
Voltage	24 V
Current	17 A

Sandvik Group

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Sandvik Materials Technology

Sandvik Materials Technology is a world-leading manufacturer of high value-added products in advanced stainless steels and special alloys, and of medical implants, steel belt-based systems and industrial heating solutions.

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