

## SUPERthal™ HEATING MODULES MINI

### TECHNICAL SPECIFICATION

#### 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 ( $\text{MoSi}_2$ ) 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 SPECIFICATIONS

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Superthal™ Mini consists of a Kanthal® Super MoSi<sub>2</sub> 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

ELEMENT TYPE	KANTHAL® SUPER SPECIAL	
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)

### 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	