

HTO-08 up to T = 900°C
HTO-08/1-FB14 up to T = 1000°C
HTO-08/2-FB14 up to T = 1100°C

Product-Information

Round Splitt-3-zone Furnace for Materials Testing



Detail Information see technical data (following page)

Characteristics

- Good temperature-uniformity due 3 heating zones, independently controllable from each other with suitable temperature-controller system
- Light weight, thermal insulation material (free of Asbestos)
- Casing made of stainless steel
- The Furnace is prepared for the put through of a lateral HT-Extensometer

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Technical Data

The Furnace is mainly suitable for determination of the hot elastic behaviour and the high thermal strength of materials at heating conditions for use in air up to 800°C.

Furnace, dimensions and weight

Heated length	per zone	approx. 100 mm (vertical) each zone controlled independent or one another
Furnace, outer	Diameter Height	approx. 275 mm approx. 405 mm
Heating area, inner	Diameter Height	approx. 100 mm approx. 300 mm
Openings for Load bars		approx. 50 mm
Weight		approx. 35 kg

Thermal values

Temperature range	Ambient temperature up to 900°C, 1000°C, 1100°C
Permissible heat conductor surface temperature	max. 1150°C
Heating rate	max. 20K per minute

Materials

Heat conductor	Fibrothal-Module with A1-resistance spirals, horizontal lying and free radiating mounted
Thermo element	NiCr-Ni, Type K
Thermal insulation	HTO-08: Amorphous Alumina Silicate wool HTO-08/1-FB14 + 08/2-FB14: Al ₂ O ₃ -Wool Polycrystalline
Casing	Stainless steel, can be opened on a hinge, with lateral aperture (at the split) for feed-through of a HT -Extensometer, with snap lock for opening and closing the furnace.

Electricity

Power / Connections	approx. 0,5 kW, 0,6 kW, 0,6 kW per Zone / 3 x 34 V, 50 Hz
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Dimensions

