

Tube Furnaces with Stand for Horizontal and Vertical Operation up to 1500 °C

These compact tube furnaces are used when laboratory experiments must be performed horizontally, vertically, or at specific angles. The ability to configure the angle of tilt and the working height, and their compact design, also make these tube furnaces suitable for integration into existing process systems.



Tube furnace RT 50/250/13

Standard Equipment

- Tmax 1100 °C, 1300 °C, or 1500 °C
- Compact design
- Vertical or horizontal operation infinitely adjustable
- Angle infinitely adjustable from 0° to 90°
- Working height infinitely adjustable
- Operation also possible without stand if safety guidelines are observed
- Ceramic working tube C 530 including two fiber plugs for operation under air
- Type S thermocouple
- Heating wires wound directly around the working tube resulting in very fast heat-up rates
- Control system integrated in furnace base
- Controller B410 (5 programs with each 4 segments), alternative controllers see page 75

Additional Equipment

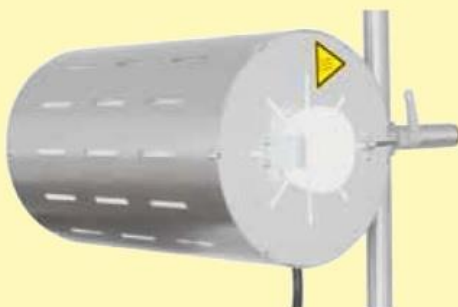
- Over-temperature limiter with adjustable cutout temperature for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the furnace and load
- Gas supply system 1 for non-flammable protective or reactive gas see page 58

Model	Tmax ¹	Outer dimensions ² in mm			Inner tube Ø in mm	Heated length in mm	Length constant temperature ¹ +/- 5 K in mm	Tube length in mm	Connected load in kW	Electrical connection*	Weight in kg
	in °C	W	D	H							
RT 50/250/11	1100	350	380	740	50	250	80	360	1.8	1-phase	25
RT 50/250/13	1300	350	380	740	50	250	80	360	1.8	1-phase	25
RT 30/200/15	1500	445	475	740	30	200	70	360	1.8	1-phase	45

¹Values outside the tube. Difference to temperature inside the tube up to + 50 K

²External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

*Please see page 75 for more information about supply voltage



Horizontal operation



Gas panel for one non-flammable protective or reactive gas (N₂, Ar, He, CO₂, air, forming gas)



Example of an over-temperature limiter