

Compact Tube Furnaces up to 1100 °C

The RD 30/200/11 tube furnace impresses with its very good price-performance ratio, particularly compact external dimensions and its low weight. This all-rounder is equipped with a working tube, which also serves as support for the heating wires. The working tube is therefore part of the furnace heating, with the advantage that the tube furnace reaches very high heating speeds. The furnace is designed for horizontal use up to 1100 °C.



Tube furnace RD 30/200/11

Standard Equipment

- Tmax 1100 °C
- Inner diameter of the tube: 30 mm, heated length: 200 mm
- Ceramic working tube C 530 including two fiber plugs for operation under air
- Thermocouple type K (1100 °C)
- Heating wires wound directly around the working tube resulting in very fast heat-up rates
- Controller R8

Additional Equipment

- Over-temperature limiter with adjustable cutout temperature as temperature limiter to protect the furnace and load
- Gas supply system 1 for non-flammable process gas see page 34

Model	Tmax ¹ in °C	Outer dimensions ² in mm			Inner tube Ø in mm	Heated length in mm	Length constant temperature ¹ +/- 5 K in mm	Connected load ⁴ in kW	Heating time ³ in min	Electrical connection ⁷	Weight in kg
		W	D	H							
RD 30/200/11	1100	350	210	350	30	200	65	1.7	20	1-phase	10

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.

³Heating time of the empty and closed furnace up to Tmax - 100 K (connected to 230 V 1/N/PE)

⁴The connected load refers to the standard furnace and may increase for a furnace with additional equipment. For furnaces with connection options for multi-range voltages, the connected load applies to the highest permissible connected voltage.

*Please see page 84 for more information about supply voltage



Controller R8



Gas panel for one non-flammable process (N₂, Ar, He, air, forming gas)



Example of an over-temperature limiter