

## 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 R7, alternative controllers see page 78

### Additional Equipment

- Over-temperature limiter with adjustable cutout temperature as temperature limiter to protect the oven and load
- Gas supply system 1 for non-flammable protective or reactive gas see page 58

Model	Tmax <sup>1</sup> in °C	Outer dimensions <sup>2</sup> in mm			Inner tube Ø in mm	Heated length in mm	Length constant temperature <sup>1</sup> +/- 5 K in mm	Connected load in kW	Heating time <sup>3</sup> in min	Electrical connection*	Weight in kg
		W	D	H							
RD 30/200/11	1100	350	200	350	30	200	65	1.5	20	1-phase	12

<sup>1</sup>Values outside the tube. Difference to temperature inside the tube up to + 50 K

<sup>2</sup>External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

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

\*Please see page 75 for more information about supply voltage



Controller R7



Gas panel for one non-flammable protective or reactive gas (N<sub>2</sub>, Ar, He, CO<sub>2</sub>, air, forming gas)



Example of an over-temperature limiter