

Gradient or Lab Strand Annealing Furnaces up to 1300 °C

The furnace chamber of the gradient furnace GR 1300/13 is divided in six control zones of equal length. The temperature in each of the six heating zones is separately controlled. The gradient furnace is usually charged from the side through the parallel swivel door. A maximum temperature gradient of 400 °C can then be stabilized over the heated length of 1300 mm. On request the furnace also is designed as a lab strand annealing furnace with a second door on the opposite side. If the included fiber separator are used charging is carried-out from the top.



Gradient furnace GR 1300/13S

Standard Equipment

- Tmax 1300 °C
- Heated length: 1300 mm
- Heating elements on support tubes providing for free heat radiation in the kiln chamber
- Charging from the top or through the right side door
- Gas damper suspension of the lid
- Separate control of heating zones (each 160 mm long)
- Temperature gradient of 400 °C over the entire length of the kiln chamber, each zone can individually be controlled
- Fiber separators dividing the chamber in six equally sized chambers
- Controller H1700, alternative controllers see page 84

Additional Equipment

- Up to ten control zones
- Second parallel swing door for use as lab strand annealing furnace
- Vertical instead of horizontal strand furnace
- 1400 °C model

Model	Tmax °C	Inner dimensions in mm			Outer dimensions ¹ in mm			Connected load ² kW	Electrical connection*	Weight in kg
		w	d	h	W	D	H			
GR 1300/13	1300	1300	100	60	1790	1020	1350	18	3-phase	400

¹External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

^{*}Please see page 84 for more information about supply voltage

²The 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.



Parallel front swing door



Gradient furnace GR 1300/13S



Furnace chamber of gradient furnace GR 1300/13 with second door as additional equipment