

Muffle Furnaces up to 1400 °C



Muffle furnace L 9/14



Muffle furnace L 15/14

These models stand out for their excellent workmanship, advanced and attractive design, and high level of reliability. Heating elements on support tubes radiating freely into the furnace chamber provide for particularly short heating times and a maximum temperature of 1400 °C. These muffle furnaces are a good alternative to the familiar L(T) .. /11 series when higher application temperatures are needed.



Over-temperature limiter

- Tmax 1400 °C
- Heating from two sides
- Heating elements on support tubes ensure free heat radiation and a long service life
- Only fiber materials are used which are not classified as carcinogenic according to TRGS 905, class 1 or 2
- Dual shell housing for low external temperatures and high stability
- Adjustable air inlet integrated in door
- Exhaust air outlet in rear wall of furnace
- Solid state relays provide for low-noise operation
- Defined application within the constraints of the operating instructions
- NTLLog Basic for Nabertherm controller: recording of process data with USB-flash drive
- Controls description see page 72

Additional equipment

- Chimney, chimney with fan or catalytic converter
- 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
- Protective gas connection to purge with non-flammable protective or reaction gases (not available in combination with chimney, chimney with fan or catalytic converter)
- Manual or automatic gas supply system
- Please see page 14 for more accessories
- Process control and documentation via VCD software package for monitoring, documentation and control see page 75



Gas supply system for non-flammable protective or reactive gas with shutoff valve and flow meter with regulator valve, optionally with magnetic valve

Model	Tmax °C ²	Inner dimensions in mm			Volume in l	Outer dimensions ⁴ in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax ³
		w	d	h		W	D	H ¹				
L, LT 5/14	1400	200	170	130	5	490	450	580+320	2.5	1-phase	38	55
L, LT 9/14	1400	230	240	170	9	530	525	630+350	3.0	1-phase	55	60
L, LT 15/14	1400	260	340	170	15	530	625	360+350	3.5	1-phase	65	70

¹Including opened lift door

^{*}Please see page 73 for more information about supply voltage

²Recommended working temperature for processes with longer dwell times is 1300 °C

³If connected at 230 V 1/N/PE resp. 400 V 3/N/PE

⁴External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.