

Muffle Furnaces up to 1400 °C

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) ../12 series when higher application temperatures are needed.



Muffle furnace LT 9/14 with lift door

Standard Equipment

- Tmax 1400 °C
- Heating from two sides
- Heating elements on support tubes ensure free heat radiation and a long service life
- Adjustable air inlet integrated in door
- Exhaust air outlet in rear wall of furnace
- Controller B410 (5 programs with each 4 segments), alternative controllers see page 75

Additional Equipment

- Chimney, chimney with fan or catalytic converter see page 24
- 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), not gas tight
- Manual or automatic gas supply system
- Please see page 25 for more accessories

Model	Tmax in °C ¹	Inner dimensions in mm			Volume in l	Outer dimensions ² in mm			Temperature uniformity of +/- 5K in the empty workspace			Connected load in kW	Electrical connection*	Weight in kg	Heating time in min ⁴
		w	d	h		W	D	H ³	w	d	h				
L, LT 5/14	1400	200	170	130	5	490	450	580+320	150	170	80	2.6	1-phase	42	50
L, LT 9/14	1400	250	250	170	9	530	525	630+350	200	250	120	3.5	1-phase	55	50
L, LT 15/14	1400	250	350	170	15	530	625	630+350	200	350	120	3.5	1-phase	63	70

¹Recommended working temperature for processes with longer dwell times is 1300 °C

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

³Including opened lift door

⁴Heating 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



Muffle furnace L 9/14 with flap door



Chimney with fan



Example of an over-temperature limiter