

Muffle Furnaces with Brick Insulation up to 1300 °C

Heating elements on support tubes radiating freely into the furnace chamber provide for particularly short heating times for these muffle furnaces. Thanks to their robust lightweight refractory brick insulation, they can reach a maximum working temperature of 1300 °C. These muffle furnaces thus represent an interesting alternative to the familiar L(T) .../12 models, when you need a higher application temperature.



Muffle furnace L 9/13 with flap door

Standard Equipment

- Tmax 1300 °C
- Heating from two sides
- Heating elements on support tubes ensure free heat radiation and a long service life
- Multi-layer insulation with robust lightweight refractory bricks in the furnace chamber
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Adjustable air inlet in the furnace 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
- Port for thermocouple in the rear wall or in the furnace door
- 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 5/13	1300	200	170	130	5	490	450	580+320	150	150	80	2.4	1-phase	42	60
L, LT 9/13	1300	230	240	170	9	530	525	630+350	180	220	120	3.0	1-phase	60	60
L, LT 15/13	1300	230	340	170	15	530	625	630+350	180	320	120	3.5	1-phase	70	70

¹Recommended working temperature for processes with longer dwell times is 1200 °C

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

³Including opened lift door (LT models)

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 LT 5/13 with lift door



Furnace lining with high-quality lightweight refractory brick insulation



Example of an over-temperature limiter