

Muffle Furnaces with Brick Insulation and Flap Door or Lift Door



Muffle furnace LT 5/13



Muffle furnace L 9/13

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) 3/11 models, when you need particularly short heating times or a higher application temperature.

- 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
- Housing made of sheets of textured stainless steel
- Dual shell housing for low external temperatures and stability
- 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
- Solid state relays provide for low-noise operation
- Defined application within the constraints of the operating instructions
- NTLog Basic for Nabertherm controller: recording of process data with USB-flash drive
- Controls description see page 72



Furnace lining with high-quality lightweight refractory brick insulation

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
- Manual or automatic gas supply system
- Observation hole in the door
- Please see page 14 for more accessories
- Process control and documentation via VCD software package for monitoring, documentation and control see page 75



Over-temperature limiter

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions ³ in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax ²
		w	d	h		W	D	H ¹				
L, LT 5/13	1300	200	170	130	5	490	450	580+320	2.4	1-phase	42	45
L, LT 9/13	1300	230	240	170	9	530	525	630+350	3.0	1-phase	60	50
L, LT 15/13	1300	260	340	170	15	530	625	630+350	3.5	1-phase	70	60

¹Including opened lift door (LT models)

*Please see page 73 for more information about supply voltage

²If connected at 230 V 1/N/PE resp. 400 V 3/N/PE

³External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.