

Muffle Furnaces Basic Models



Muffle furnace LE 1/11



Muffle furnace LE 6/11

With their unbeatable price/performance ratio, these compact muffle furnaces are perfect for many applications in the laboratory. Quality features like the dual shell furnace housing of rust-free stainless steel, their compact, lightweight constructions, or the heating elements encased in quartz glass tubes make these models reliable partners for your application.

- Tmax 1100 °C, working temperature 1050 °C
- Heating from two sides from heating elements in quartz glass tubes
- Maintenance-friendly replacement of heating elements and insulation
- Only fiber materials are used which are not classified as carcinogenic according to TRGS 905, class 1 or 2
- Housing made of sheets of textured stainless steel
- Dual shell housing for low external temperatures and high stability
- Flap door which can also be used as a work platform
- Exhaust air outlet in rear wall
- Solid state relays provide for low-noise operation
- Compact dimensions and light weight
- Controller mounted under the door to save space
- Defined application within the constraints of the operating instructions
- Controls description see page 72

Additional equipment

- Chimney, chimney with fan or catalytic converter (not for L 1)
- 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 gas supply system
- Observation hole in the door
- Please see page 14 for more accessories



Over-temperature limiter

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions ² in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax ¹
		w	d	h		W	D	H				
LE 1/11	1100	90	115	110	1	290	280	430	1.5	1-phase	10	10
LE 2/11	1100	110	180	110	2	330	385	430	1.8	1-phase	10	25
LE 6/11	1100	170	200	170	6	390	435	490	1.8	1-phase	18	35
LE 14/11	1100	220	300	220	14	440	535	540	2.9	1-phase	25	40

¹If connected at 230 V 1/N/PE resp. 400 V 3/N/PE *Please see page 73 for more information about supply voltage
²External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.