Economy Muffle Furnaces up to 1100 °C

With their convincing price/performance ratio and the fast heat-up rates, 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.



Muffle furnace LE 6/11

Standard Equipment

- Tmax 1100 °C
- Heating from two sides from heating elements protected in quartz glass tubes
- Fast heating times (see table)
- Maintenance-friendly replacement of heating elements and insulation
- Housing coated in RAL 9003
- Flap door which can also be used as a work platform
- Exhaust air outlet in rear wall
- Compact dimensions and light weight
- Controller mounted under the door to save space
- Controller R8 (adjustable for one temperature), controls description see page 84

Additional Equipment

- Chimney, chimney with fan or catalytic converter (not for LE 1 and LE 2) see page 16
- Charging rack with closed or perforated trays for loading the furnace in two levels incl. holder for inserting/removing the trays up to a max. temperature of 800 °C and a max. loading weight per layer of 2 kg for the LE 14/11 respectively 3,5 kg for the LE 24/11 see page 17
- Please see page 17 for more accessories

Model	Tmax	Inner dimensions in mm			Volume	Outer dimensions[2] in mm			Temperature uniformity of +/– 5K in the empty workspace[4]			Connected load[5]	Electrical	Weight	Heating time
	in °C[1]	w	d	h	in l	W	D	H	w	d	h	in kW	connection*	in kg	in min[3]
LE 1/11	1100	90	115	110	1	310	300	410	40	65	60	1.6	1-phase	15	6
LE 2/11	1100	110	180	110	2	330	365	410	60	130	60	1.9	1-phase	20	11
LE 6/11	1100	170	200	170	6	390	385	470	120	150	120	2.0	1-phase	27	27
LE 14/11	1100	220	320	220	14	440	485	520	170	250	170	3.2	1-phase	35	30
LE 24/11	1100	260	330	285	24	480	515	585	230	270	200	3.5	1-phase	42	40

[1]Recommended working temperature for processes with longer dwell times is 1050 °C

*Please see page 84 for more information about supply voltage

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

[3]Heating time of the empty and closed furnace up to Tmax –100 K (connected to 230 V 1/N/PE)

[4]Temperature uniformity of +/– 5 K with closed fresh-air inlet in empty work space according to DIN 17052-1 at working temperatures above 800 °C see page 77

[5]The connected load refers to the standard furnace and may increase for a furnace with additional equipment. For furnaces with connection options for multi-range voltages, the connected load applies to the highest permissible connected voltage.



Muffle furnace LE 1/11



Muffle furnace LE 14/11



Heating elements protected in quartz glass tubes