

# 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 R7 (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 in °C <sup>1</sup>	Inner dimensions in mm			Volume in l	Outer dimensions <sup>2</sup> in mm			Temperature uniformity of +/- 5K in the empty work- space <sup>4</sup>			Max. connected load in kW	Electrical connection*	Weight in kg	Heating time in min <sup>3</sup>
		w	d	h		W	D	H	w	d	h				
LE 1/11	1100	90	115	110	1	290	280	410	40	65	60	1.6	1-phase	15	10
LE 2/11	1100	110	180	110	2	330	390	410	60	130	60	1.9	1-phase	20	15
LE 6/11	1100	170	200	170	6	390	440	470	120	150	120	2.0	1-phase	27	30
LE 14/11	1100	220	300	220	14	440	540	520	170	250	170	3.2	1-phase	35	35
LE 24/11	1100	260	330	280	24	490	570	590	200	270	230	3.5	1-phase	42	40

<sup>1</sup>Recommended working temperature for processes with longer dwell times is 1050 °C

<sup>2</sup>External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

<sup>3</sup>Heating time of the empty and closed furnace up to Tmax - 100 K (connected to 230 V 1/N/PE)

<sup>4</sup>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

\*Please see page 84 for more information about supply voltage



Muffle furnace LE 1/11



Muffle furnace LE 14/11



Heating elements protected in quartz glass tubes