

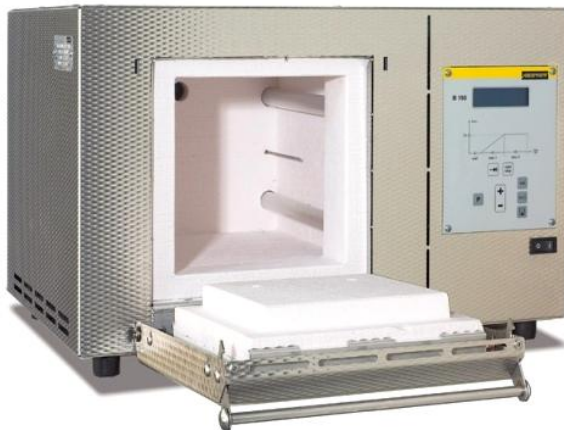
Electrical MUFFLE FURNACES "LE" series

Muffle furnaces for various uses in the laboratory, incineration, thermal treatment ...



Mini LE1/11 model

- Tmax. 1100 °C
- Volume 1 liter
- Double-walled housing
- Stainless Steel



LE2/11 - L4/11 models
with B150 Controller



L9/11 model
With P330 Controller

With their unbeatable price/performance ratio, these compact muffle furnaces are perfect for many applications in the laboratory. Quality features like the double-walled 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.

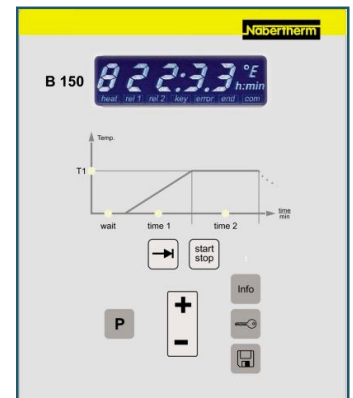
- Tmax 1100 °C, working temperature 1050 °C
- Heating from two sides from heating elements in quartz glass tubes
- Maintenance-friendly replacement of heating elements and insulation
- Multilayered insulation with fibre plates in the furnace chamber
- Housing made of sheets of textured stainless steel
- Double-walled 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 in side space (under the door on the LE 2/11 and LE 4/11 to save space)

Features basic controller R6 (for LE 1/11 LE 2/11 and LE 4/11):

- 1 single program control
- 1 segment
- Introduction of programs in steps of 1 °C or 1 minute

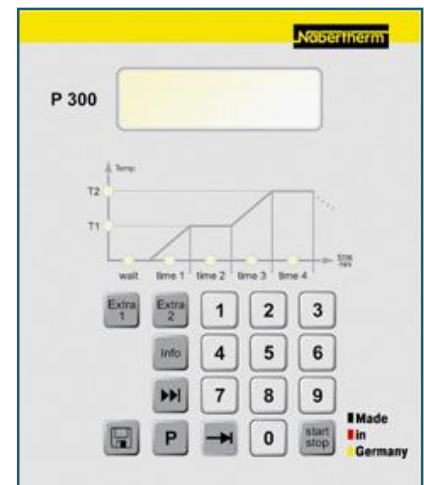
Features of controller B150 (for LE 6/11 y LE 14/11):

- 1 program freely configurable
- 1 heating and 1 ramp scheduled maintenance
- Timer to delay the start of heating
- Calibrate
- Self-adjusting
- Excess temperature controller integrated
- kWh Meter
- Operating hours counter Optional RS 422 port



Deatures of Controller P300 (for LE 6/11 y LE 14/11):

- Simple
- Installed in the oven side
- Data entry via keyboard
- LC Display – Display
- Status reports concise and simple
- Introduction of programs in steps of 1 ° C or 1 min
- Real time clock date for the delayed start
- 9 programs storable
- 1 Regulatory Area
- 16 segments = 8 + 8 ramp maintenance time
- Skip button to skip segments
- Possibility of changing temperature and hold time during operation of the program
- Self-optimization
- 2 extra functions
- Wide range of integrated features:
 - ü Operating hours counter
 - ü kWh consumption counter
 - ü Programmable Timer
 - ü Ability to limit maximum temperature
 - ü Memorize the past shortcomings
 - ü Programmable automatic on / off
- Controller to prevent over-integrated temperature
- Counter kW
- Operating hours counter
- Optional RS 422 port for connection to MV-N Optional Software



Features of P330 controller (for L9/11 model):

- Easy to use
- digital PID controller
- Real time clock
- 9 storable programs
- 40 segments
- possibility of linking up to 3 programs
- 4 heating ramp as 4 times maintenance program
- Start Time Programmable (7 days in advance)
- programmable beeper
- Plug timer fan or catalytic converter
- USB port to connect the RS 422 software (optional)
- Monitoring of the program visible in the LED program



Additional equipment :

- Over-temperature limit controller
- Chimney of exit
- Chimney of exit with ventilator
- Gloves T_{máx} 650 °C
- Gloves T_{máx} 900 °C
- Pliers 300 mm
- Pliers 500 mm



Over-temperature limit controller

IMPORTANT NOTE: The tray has a maximum temperature of work of 1100 °C



Gloves until 650 °C



Gloves until 900 °C



Chimney with ventilator



Over-temperature limit controller



Sheet fluted ceramic



Tray ceramic collector



Tray metallic collector

Model	T _{max} °C	Inner dimensions in mm			Volume in l.	Outer dimensions in mm			Power in kW	Electrical
		w	d	h		W	D	H		
LE 1/11/R6	1100	90	115	110	1	250	265	340	1,5	Single-phase
LE 2/11/R6	1100	110	180	110	2	275	380	350	1,8	Single-phase
LE 4/11/R6	1100	170	200	170	4	335	400	410	1,8	Single-phase
LE 6/11/B150	1100	170	200	170	6	510	400	320	1,8	Single-phase
LE 6/11/P300	1100	170	200	170	6	510	400	320	1,8	Single-phase
L 9/11/B180	1100	230	240	170	9	480	550	570	3	Single-phase
L 9/11/P330	1100	230	240	170	9	480	550	570	3	Single-phase
LE14/11/B150	1100	220	300	220	14	555	500	370	2,9	Single-phase
LE14/11/P300	1100	220	300	220	14	555	500	370	2,9	Single-phase