

Professional Chamber Furnaces with Brick Insulation or Fiber Insulation



LH 15/12 with brick insulation



LH 120/12SW with scale to measure weight reduction during annealing



Cooling fan in combination with motor-driven exhaust air flap to reduce cooling time

LH 15/12 - LF 120/14

The LH 15/12 - LF 120/14 laboratory furnaces have been trusted for many years as professional chamber furnaces for the laboratory. These furnaces are available with either a robust insulation of light refractory bricks (LH models) or with a combination insulation of refractory bricks in the corners and low heat storage, quickly cooling fiber material (LF models). With a wide variety of optional equipment, these models can be optimally adapted to your processes.

- Tmax 1200 °C, 1300 °C, or 1400 °C
- Five-sided heating for very good temperature uniformity
- Heating elements on support tubes ensure free heat radiation and a long service life
- Protection of bottom heating and flat stacking surface provided by embedded SiC plate in the floor
- LH models: multi-layered, fiber-free insulation of light refractory bricks and special backup insulation
- LF models: high-quality fiber insulation with corner bricks for shorter heating and cooling times
- Door with brick-on-brick seal, hand fitted
- Short heating times due to high installed power
- Side vent with bypass connection for exhaust pipe
- Self-supporting arch for high stability and greatest possible protection against dust
- Quick lock on door
- Freely adjustable air slide intake in furnace floor
- Stand included
- Controls description see page 60

Additional equipment

- Parallel swinging door, pivots away from operator, for opening when hot
- Lift door with electro-mechanic linear drive
- Separate wall-mounting or floor standing cabinet for switchgear
- Motor-driven exhaust air flap
- Cooling fan for shorter cycle times



LH 120/12S with inner process box made of quartz glass



LH 216/12SW with scale to measure weight reduction during annealing

- Protective gas connection to purge with non-flammable protective or reaction gases
- Inner process box made of quartz glass for very clean atmosphere, quartz glass covered door with lid function
- Manual or automatic gas supply system
- Scale to measure weight reduction during annealing



LH 60/12 with manual lift door and gas supply box for non-flammable protective or reactive gases

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection*	Weight in kg
		w	d	h		W	D	H			
LH 15/12	1200	250	250	250	15	570	790	1170	5.0	3-phase ¹	150
LH 30/12	1200	320	320	320	30	640	860	1240	7.0	3-phase ¹	170
LH 60/12	1200	400	400	400	60	720	1010	1320	8.0	3-phase	260
LH 120/12	1200	500	500	500	120	820	1110	1420	12.0	3-phase	340
LH 216/12	1200	600	600	600	216	900	1210	1530	20.0	3-phase	400
LH 15/13	1300	250	250	250	15	570	790	1170	7.0	3-phase ¹	150
LH 30/13	1300	320	320	320	30	640	860	1240	8.0	3-phase ¹	170
LH 60/13	1300	400	400	400	60	720	1010	1320	11.0	3-phase	260
LH 120/13	1300	500	500	500	120	820	1110	1420	15.0	3-phase	340
LH 216/13	1300	600	600	600	216	900	1210	1530	22.0	3-phase	400
LH 15/14	1400	250	250	250	15	570	790	1170	8.0	3-phase ¹	150
LH 30/14	1400	320	320	320	30	640	860	1240	10.0	3-phase ¹	170
LH 60/14	1400	400	400	400	60	720	1010	1320	12.0	3-phase	260
LH 120/14	1400	500	500	500	120	820	1110	1420	18.0	3-phase	340
LH 216/14	1400	600	600	600	216	900	1210	1530	26.0	3-phase	400
LF 15/13	1300	250	250	250	15	570	790	1170	7.0	3-phase ¹	130
LF 30/13	1300	320	320	320	30	640	860	1240	8.0	3-phase ¹	150
LF 60/13	1300	400	400	400	60	720	1010	1320	11.0	3-phase	230
LF 120/13	1300	500	500	500	120	820	1110	1420	15.0	3-phase	300
LF 15/14	1400	250	250	250	15	570	790	1170	8.0	3-phase ¹	130
LF 30/14	1400	320	320	320	30	640	860	1240	10.0	3-phase ¹	150
LF 60/14	1400	400	400	400	60	720	1010	1320	12.0	3-phase	230
LF 120/14	1400	500	500	500	120	820	1110	1420	18.0	3-phase	300

¹Heating only between two phases

*Please see page 60 for more information about supply voltage



Parallel swinging door for opening when hot



Gas supply system for non-flammable protective or reaction gases