

2. High temperature electric furnaces

2.1 Muffle furnaces with fiber-insulated chambers

High accuracy laboratory electric furnaces with fiber-insulated chambers that are intended for hardening, loosening, normalising, and other thermal processing up to a temperature of 1100 °C or 1300 °C. The furnaces include ceramic hearth plates. To eliminate gasses or smoke that are released during thermal processing, ventilation hatches and an exhaust system may be additionally installed in the products. The furnaces are an excellent fit for scientific laboratories, educational institutions, medicine, and industry.

Basic model

- One-piece chamber made of fiber thermal insulation
- Heating elements embedded in vacuum formed fiber (on models up to 1100 °C)
- Heating elements exposed on ceramic tubes (on models up to 1300 °C)
- Microprocessor-controlled thermoregulator (see page 14)
- Ceramic hearth plates
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up/cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- 1 year guarantee

Options

- Process observation window (Ø 35mm) up to 1100 °C
- Fan-assisted chimney for air extraction
- Supplemental ceramic hearth plates
- Buzzer
- Protection against overheating
- Data recorder
- Computer connection via RS232/RS-485/USB
- Calibration of temperature measurement system
- Table for supporting the furnace
- Additional 1 year guarantee



SNOL 8,2/1100 LZM01



SNOL 6,7/1300 LSM01



SNOL 8,2/1100 LHM01

Model	Vol., l	T _{max} °C	Chamber dimensions, mm			Overall dimensions, mm			Power, kW	Voltage, V	Weigth, kg	Door opening		
			Width	Length	Height	Width	Length	Height				upwards	sideways	downwards
Up to 1100 °C														
SNOL 3/1100 LHM01	3	1100	125	200	115	340	470	430	1,7	230	18	●	○	○
SNOL 8,2/1100 LHM01	8,2	1100	200	300	133	440	620	510	1,8	230	28	●	○	○
SNOL 8,2/1100 LSM01	8,2	1100	200	300	133	440	560	510	1,8	230	28	○	●	○
SNOL 8,2/1100 LZM01	8,2	1100	200	300	133	440	560	510	1,8	230	28	○	○	●
SNOL 13/1100 LHM01	13	1100	225	360	180	500	700	550	1,8	230	38	●	○	○
SNOL 22/1100 LHM01	22	1100	275	500	155	600	890	610	3	230	58	●	○	○
SNOL 39/1100 LHM01	39	1100	315	515	225	649	899	739	6	300	74	●	○	○
Up to 1300 °C														
SNOL 6,7/1300 LSM01	6,7	1300	160	295	133	440	550	540	2,4	230	35	○	●	○