

2. High temperature electric furnaces

2.2 Chamber furnaces with fibre-insulated chambers

Highly accurate laboratory electric furnaces with chambers made of thermal insulation fibre plates. The products are intended for hardening, loosening, normalising, and other thermal processing processes up to a temperature of 1600 °C. To eliminate gasses or smoke that are released during thermal processing, ventilation hatches and an exhaust system may be supplementally 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 fibre thermal insulation plates
- Vacuumized heating elements (up to 1100 °C)
- Heating elements in grooves (up to 1200 °C)
- Heating elements on tubes (up to 1300 °C)
- Exposed heat strips (up to 1600 °C)
- Microprocessor-controlled thermoregulator (see page 14)
- Ceramic hearth plates
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- Black furnace frame (on models 7,2/1200 & 7,2/1300)
- Up to a 24 month guaranty period



SNOL 30/1300 LSF01



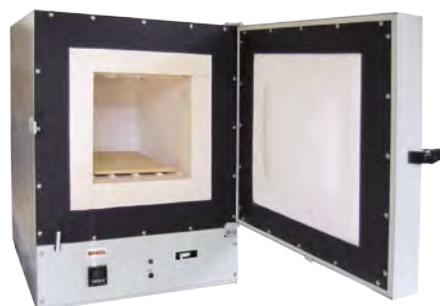
SNOL 80/1100 LSF01



SNOL 40/1200 LSF01

Supplemental equipment

- Ventilation shaft at the end of the chamber
- Process observation window (Ø 35mm) up to 1100 °C
- Chimney for forced air extraction
- Supplemental ceramic hearth plates
- Audio signal
- Protection against overheating
- Data recorder
- Computer connection via RS232/RS-485/USB
- Measuring device verification
- Table for supporting the furnace



SNOL 30/1100 LSF01



SNOL 8/1600 LSF01

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 30/1100 LSF01	30	1100	300	450	300	640	800	830	3,4	230	100	○	●	○
SNOL 80/1100 LSF01	80	1100	300	450	600	740	880	1250	5,4	400	135	○	●	○
Up to 1200 °C														
SNOL 40/1200 LSF01	40	1200	290	420	290	640	800	830	3,4	230	100	○	●	○
Up to 1300 °C														
SNOL 30/1300 LSF01	30	1300	200	450	290	640	870	830	4,6	230	120	○	●	○
Up to 1600 °C														
SNOL 8/1600 LSF01	8	1600	150	300	150	620	620	1420	8	400	170	○	●	○