

# 1. High temperature electric furnace

## 1.1 Muffle furnaces with fiber-insulated chambers

Our high accuracy laboratory electric furnaces with fiber-insulated chambers, are designed by a group of professional engineers and made from high quality materials, which are manufactured in our factory, such as heavy-duty metal parts and thermal insulation materials. Fit with a selection of precise digital controllers and certified heating elements to ensure excellent temperature stability. The furnaces include ceramic hearth plates. To eliminate gasses or smoke that are released during thermal processing, a ventilation hole and an exhaust system may be additionally installed in the products. The furnaces are excellent for scientific laboratories, educational institutions, medicine and for industrial use, to be used for hardening, loosening, normalising, and other thermal processing up to temperatures of 1100 °C or 1300 °C.

### Basic model

- Ceramic bottom plate
- Control panel is placed in the underpart of the furnace
- Door opens upwards
- Door safety interlock switch
- Equipped with non-programmable controller Omron E5CC
- Fast heating time due to low thermal mass construction
- Good stability and uniformity
- Heating elements, embedded in a vacuum-formed fiber, are inside four walls of the chamber on models up to 1100 °C
- Heating elements are exposed on ceramic tubes on two sides of the chamber on models up to 1300 °C
- Low power consumption
- One-piece, high thermal efficiency, vacuum-formed ceramic fiber chamber
- Outside casing – metal sheet, powder painted grey
- 1 year warranty

SNOL 13/1100 LHM01



SNOL 6.7/1300 LSM01



### Option

- Additional ceramic bottom plates
- Buzzer
- Calibration of temperature measurement system
- Data communication/USB
- Data recorder
- Digital timer
- Fan-assisted chimney for air extraction
- Gas box up to 1100 °C
- Metal tray
- OTP (over temperature protection)
- Outside casing made from stainless steel
- Process observation window (ø 35 mm) up to 1100 °C
- Protective gas injection system (nitrogen or argon)
- Table for supporting the furnace
- Additional 1 year warranty

Model	Vol., l	Tmax, °C	Chamber dimensions, mm			Outside dimensions, mm			Power, kW	Voltage, V	Weight, kg	Door opening		
			Width	Depth	Height	Width	Depth	Height				upwards	sideways	downwards
<b>Up to 1100 °C</b>														
SNOL 3/1100 LHM01	3	1100	120	200	105	345	470	430	1.7	230	17	•	○	○
SNOL 8.2/1100 LHM01	8.2	1100	195	310	135	445	660	495	1.8	230	28	•	○	○
SNOL 8.2/1100 LSM01	8.2	1100	195	310	135	440	530	495	1.8	230	28	○	•	○
SNOL 8.2/1100 LZM01	8.2	1100	195	310	135	440	530	495	1.8	230	28	○	○	•
SNOL 13/1100 LHM01	13	1100	220	335	170	505	685	555	1.8	230	38	•	○	○
SNOL 22/1100 LHM01	22	1100	280	500	160	605	855	620	3.0	230	58	•	○	○
SNOL 39/1100 LHM01	39	1100	320	495	230	655	890	740	6.0	400	74	•	○	○
<b>Up to 1300 °C</b>														
SNOL 6.7/1300 LSM01	6.7	1300	145	310	135	445	575	525	2.4	230	35	○	•	○
SNOL 10/1300 LHM01	10	1300	190	335	170	500	710	560	2.4	230	38	•	○	○

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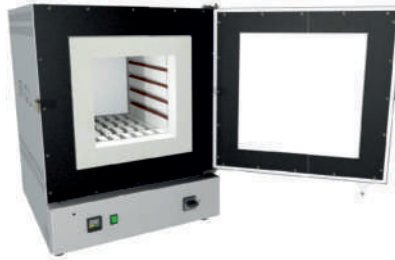
## 1.2 Chamber furnaces with fiber-insulated chambers

Highly accurate laboratory electric furnaces with chambers made of thermal insulation fiber, designed by a group of professional engineers and made from high quality materials. To eliminate gasses or smoke that are released during thermal processing, a ventilation hole and an exhaust system may be additionally installed in the products. The furnaces are excellent for scientific laboratories, educational institutions, medicine and for industrial use, to be used for hardening, loosening, normalising, and other thermal processing up to temperatures of 1600 °C.

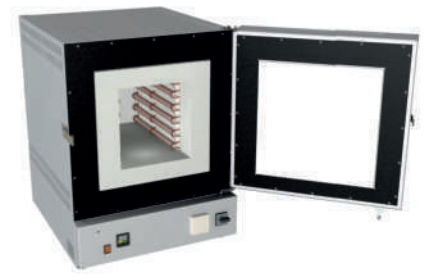
SNOL 30/1100 LSF01



SNOL 40/1200 LSF01



SNOL 30/1300 LSF01



### Basic model

- Ceramic bottom plate
- Chamber made of fiber thermal insulation plates
- Control panel is placed in the underpart of the furnace
- Door opens to the right side
- Door safety interlock switch
- Equipped with non-programmable controller Omron E5CC
- Fast heating time due to low thermal mass construction
- Good stability and uniformity
- Heating elements in the grooves in three sides of the chamber
- Low power consumption
- Outside casing – metal sheet, powder painted grey
- 1 year warranty

### Options

- Additional ceramic bottom plates
- Buzzer
- Calibration of temperature measurement system
- Data communication/USB
- Data recorder
- Digital timer
- Fan-assisted chimney for air extraction
- Gas box up to 1100 °C
- Metal tray
- OTP (over temperature protection)
- Process observation window (ø 35 mm) up to 1100 °C
- Protective gas injection system (nitrogen or argon)
- Table for supporting the furnace
- Additional 1 year warranty

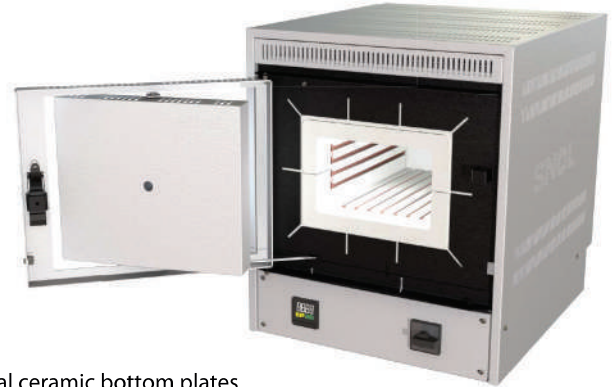
Model	Vol., l	Tmax, °C	Chamber dimensions, mm			Outside dimensions, mm			Power, kW	Voltage, V	Weight, kg
			Width	Depth	Height	Width	Depth	Height			
<b>Up to 1100 °C</b>											
SNOL 30/1100 LSF01	30	1100	300	405	275	640	800	830	3.4	230	96
SNOL 80/1100 LSF01	80	1100	300	405	600	745	800	1255	5.4	400	135
<b>Up to 1200 °C</b>											
SNOL 40/1200 LSF01	40	1200	295	420	295	645	870	835	3.4	230	110
SNOL 45/1200 LSF01	45	1200	290	375	450	715	760	1060	4.6	230	120
<b>Up to 1300 °C</b>											
SNOL 30/1300 LSF01	30	1300	200	440	290	640	870	840	4.6	230	120
<b>Up to 1600 °C</b>											
SNOL 8/1600 LSF01	8	1600	150	300	150	605	580	1395	8.0	400	170

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## 1.3 Furnaces with ceramic chambers

Highly accurate laboratory electric furnaces with solid ceramic chambers, designed by a group of professional engineers and made from high quality materials, which are manufactured in our factory, such as heavy-duty metal parts and thermal insulation materials. The furnaces include ceramic bottom plates. To eliminate gasses or smoke that are released during thermal processing, a ventilation hole and an exhaust system may be additionally installed in the products. The furnaces are excellent for scientific laboratories, educational institutions, medicine and for industrial use, to be used for hardening, loosening, normalising, and other thermal processing up to temperatures of 1300 °C.

SNOL 7.2/1300 LSC01



### Basic model

- Ceramic bottom plate
- Control panel is placed in the underpart of the furnace
- Door opens to the right side
- Door safety interlock switch
- Equipped with non-programmable controller Omron E5CC
- Fast heating time due to low thermal mass construction
- Good stability and uniformity
- Low power consumption
- Outside casing – metal sheet, powder painted grey
- Partially exposed or enclosed heating elements in four sides around a chamber
- Solid ceramic chamber
- 1 year warranty

### Options

- Additional ceramic bottom plates
- Buzzer
- Calibration of temperature measurement system
- Data communication/USB
- Data recorder
- Digital timer
- Fan-assisted chimney for air extraction
- Gas box up to 1100 °C
- Metal tray
- OTP (over temperature protection)
- Process observation window (ø 35 mm) up to 1100 °C
- Protective gas injection system (nitrogen or argon)
- Table for supporting the furnace
- Additional 1 year warranty

Model	Vol., l	Tmax, °C	Chamber dimensions, mm			Overall dimensions, mm			Power, kW	Voltage, V	Weight, kg
			Width	Depth	Height	Width	Depth	Height			
<b>Up to 900 °C</b>											
SNOL 4/900 LSC01	4	900	120	295	110	440	555	500	3.7	230	55
SNOL 7.2/900 LSC01	7.2	900	195	295	120	445	590	525	3.3	230	50
SNOL 12/900 LSC01	12	900	215	295	195	640	745	820	4.5	230	120
SNOL 15/900 LSC01	15	900	215	400	195	640	815	820	6.0	400	130
<b>Up to 1100 °C</b>											
SNOL 4/1100 LSC01	4	1100	120	295	110	440	615	500	3.7	230	55
SNOL 7.2/1100 LSC01	7.2	1100	195	295	120	445	590	525	3.3	230	50
SNOL 12/1100 LSC01	12	1100	215	295	195	640	745	820	4.5	230	120
SNOL 15/1100 LSC01	15	1100	215	400	195	640	815	820	6.0	400	130
<b>Up to 1200 °C</b>											
SNOL 4/1200 LSC01	4	1200	120	295	110	440	555	500	3.7	230	55
SNOL 7.2/1200 LSC01	7.2	1200	195	295	120	645	710	705	3.5	230	50
SNOL 12/1200 LSC01	12	1200	215	295	195	640	680	820	4.5	230	120
SNOL 15/1200 LSC01	15	1200	215	400	195	640	680	820	6.0	400	130
<b>Up to 1300 °C</b>											
SNOL 4/1300 LSC01	4	1300	120	295	110	440	555	500	3.7	230	55
SNOL 7.2/1300 LSC01	7.2	1300	195	295	120	645	710	705	3.5	230	50
SNOL 12/1300 LSC01	12	1300	215	295	195	640	680	820	4.5	230	120
SNOL 15/1300 LSC01	15	1300	215	400	195	640	680	820	6.0	400	130