

# SNOL

High accuracy electric fiber-insulated chamber furnace **SNOL 30/1100** is universal laboratory furnace, designed for materials testing, heat treatment such as hardening, loosening, normalising, ceramic and stoneware samples firing up to 1100°C. To eliminate gasses or smokes that are released during thermal processing, exhaust system may be additionally installed in the products. The furnace is excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

## **BASIC MODEL:**

- Chamber made of fiber thermal insulation plates,
- Vacuumized heating elements in four sides around a chamber,
- Outside casing in metal sheet, powder painting grey,
- Door opens to the right side,
- Door safety interlock switch,
- Control panel is placed in under part of the furnace,
- Microprocessor - temperature controller,
- Ceramic bottom plates,
- Fast heating time due to low thermal mass construction,
- Low power consumption,
- Good stability and uniformity.

Technical data	Dimension	SNOL 30/1100 LSF01
Useful volume	Liter	30
Rated power not more than	kW	3.4
Rated supply voltage	V	230
Rated frequency	Hz	50
Number of phases	-	1
Continuous operating temperature	°C	T+10-1100
Maximum temperature	°C	1100
Working chamber material	-	Fiber plates
Maximum heating- up time (without charge)	Min.	150
Temperature stability in working chamber at rated temperature in thermal steady state without charge not more than	± °C	1
Temperature uniformity in working space at rated temperature in thermal steady state without charge not more than	±°C	10
Furnace working chamber dimensions:		
width	mm	300
depth	mm	450
height	mm	300
Furnace external dimensions:		
width	mm	640
depth	mm	800
height	mm	830
Mass	kg	100

**CONTROL:**

- Temperature measurement by thermocouple type K,
- PID electronic regulator, double digital display reference temperature and measured temperature,
- SSR relay.

**OPTIONS:**

- Buzzer
- Timer
- OTP (over temperature protection)
- Chimney with assisted ventilator fitted with ceramic tube for exhaust fumes
- Eurotherm 3216 (non-programmable)
- Eurotherm 3208 (programmable)
- Window Ø 35mm for process observation
- PC connection and software SNOL V1.12

**MAIN SPARE PARTS:**

- Additional ceramic plates set
- Chamber (with heating elements)
- Thermocouple (type K)

**SUPPLIED DOCUMENTS:**

- Furnace and temperature controller instructions,
- Electric diagram.

**GUARANTEE:**

- One year limited guarantee and later service.

**OTHER:**

- CE marked.

**COUNTRY OF ORIGIN:**

- Lithuania (EU country).



Picture for illustration only