

High accuracy electric fiber-insulated chamber furnace line consists of 4 models. These universal laboratory furnaces are designed for materials testing, heat treatment such as hardening, loosening, normalising, ceramic and stoneware samples firing up to 1300°C. To eliminate gasses or smokes that are released during thermal processing, exhaust system may be additionally installed in the products. The furnaces are excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

### DESCRIPTION

- ✓ Maximum temperatures 1100°C, 1200°C, 1300°C,
- ✓ Capacity 30L, 40L, 80L,
- ✓ Chamber made of fiber thermal insulation blocs,
- ✓ Vacuumized heating elements in four sides around a chamber (1100°C),
- ✓ Heating elements in grooves (1200°C),
- ✓ Heating elements on tubes (1300°C),
- ✓ Outside casing in metal sheet, powder painting grey,
- ✓ Door opens to the right side,
- ✓ Door safety interlock switch,
- ✓ Microprocessor temperature controller (Omron E5CC – basic model),
- ✓ Ceramic bottom plates,
- ✓ Fast heating time due to low thermal mass construction,
- ✓ Low power consumption,
- ✓ Good stability and uniformity.

Technical data	Dimensions	SNOL 30/1100 LSF01	SNOL 80/1100 LSF01	SNOL 40/1200 LSF01	SNOL 30/1300 LSF01
Useful volume	Liter	30	80	40	30
Rated power not more then	kW	3,4	5,4	3,4	4,6
Rated supply voltage	V	230	400	230	230
Rated frequency	Hz	50	50	50	50
Number of phases	-	1	1	1	1
Continuous operating temperature	°C	50-1100	50-1100	50-1200	10-1300
Maximum temperature	°C	1100	1100	1200	1300
Working chamber material	-	Fiber plates	Fiber plates	Fiber plates	Fiber plates
Maximum heating- up time (without charge)	Min.	150	150	150	150
Temperature stability in working chamber at rated temperature in thermal steady state without charge not more than	± °C	2	2	2	2
Temperature uniformity in working space at rated temperature in thermal steady state without charge not more than	± °C	10	10	10	10
Furnace working chamber dimensions:					
width	mm	300	300	290	200
depth	mm	450	450	420	440
height	mm	300	600	290	290
Furnace dimensions:					
width	mm	640	740	650	640
depth	mm	800	880	875	870
height	mm	830	1230	835	840
Mass ( Netto)	kg	96	135	105	120

**CONTROL:**

- ✓ Temperature measurement by thermocouple type "K"/"S"
- ✓ PID electronic regulator, double digital display reference temperature and measured temperature.
- ✓ *Products are equipped with high-precision digital microprocessor Omron or Eurotherm temperature controllers fitted with self-tuning and manual PID settings. The customer can select a basic or programmable temperature controller, which offers up to 32 programming segments (rate of temperature rise or decrease control, maintenance of preset temperature, automatic shutdown). A wide range of devices allows selecting the most appropriate controller for your process.*
- ✓ SSR control unit.

**SUPPLIED DOCUMENTS:**

- ✓ Furnace and temperature controller instructions,
- ✓ Electric diagram,
- ✓ CE declaration.

**PRODUCTION TIME:**

- ✓ Basic model usually on stock.

**GUARANTEE:**

- ✓ One year limited guarantee and later service for furnace.

**OPTIONS:**

- ✓ Buzzer – 35 €,
- ✓ Timer – 73 €,
- ✓ OTP (over temperature protection) – 105 €,
- ✓ Chimney with ventilator for aching process – 73 €
- ✓ Eurotherm 3216 (non-programmable) – 80 €,
- ✓ Eurotherm 3208 (programmable) – 155 €,
- ✓ Omron E5CCT (programmable) – 180 €,
- ✓ Interface RS 232 or 485 – 140 €
- ✓ Metal tray (box) for samples treatment – 25-50 €
- ✓ Protective gas box & equipment for gas inlet – price by request up 1150°C

**COUNTRY OF ORIGIN:**

- ✓ Lithuania (EU country).
- ✓ CE marked.

**PAYMENT CONDITION:**

- ✓ Prepayment.

**PACKING:**

- ✓ Wooden box.

**SPARE PARTS:**

	30/1100	80/1100	40/1200	30/1300
Fiber thermoinsulation line, €	30/1100	80/1100	40/1200	30/1300
Chamber (with heating elements)	316	916	280	800
Thermocouple	79	79	79	170
Ceramic bottom plates set	20	20	20	20

**SNOL 30/1100****SNOL 40/1200****SNOL 30/1300**

Certificate No. LT0111Q

Administrative address  
 AB „UMEGA“  
 Metalo str.5, 28216 Utena  
 Lithuania

Factory address  
 AB „UMEGA“, SNOL dpt.  
 Narkunai, 28104 Utena  
 Lithuania

Tel. +370 389 53741  
 Faks. +370 389 81223  
 info@snol.com  
 www.snol.com

VAT code: LT263347219  
 Company registration No. 126334727

**APPLICATIONS:****SINTERING****TEMPERING**