

Customized for Your hot innovations

New muffle furnace line consist of 5 models, designed for materials testing, heat treatment, ceramic and stoneware samples firing. The furnace can be used in laboratories, educational institutions, ceramic studios and industrial laboratories.

DESCRIPTION

- ✓ Maximum temperature 1100°C
- ✓ Capacity 3L, 8.2L, 13L, 22L, 39L,
- ✓ High thermal efficiency,
- ✓ Vacuumed ceramic fiber chamber,
- ✓ Heating elements are embedded in fiber,
- ✓ High quality thermoinsulation materials used throughout,
- ✓ Textured stainless steel exterior,
- ✓ Microprocessor temperature controller (Omron E5CC – basic model),
- ✓ Door safety interlock switch,
- ✓ Ceramic bottom plate,
- ✓ Fast heating time,
- ✓ Low power consumption,
- ✓ Good stability and uniformity.

Technical data	Dimensions	SNOL 3/1100 LHM01 ST	SNOL 8,2/1100 LHM01 ST	SNOL 13/1100 LHM01 ST	SNOL 22/1100 LHM01 ST	SNOL 39/1100 LHM01 ST
Useful volume	Liter	3	8,2	13	22	39
Rated power not more then	kW	1.8	1.8	1.8	3	6
Rated supply voltage	V	230	230	230	230	400
Rated frequency	Hz	50	50	50	50	50
Number of phases	-	1	1	1	1	3
Continuous operating temperature T _{amb}	°C	1100	1100	50-1100	50-1100	50-1100
Maximum temperature	°C	1100	1100	1100	1100	1100
Working chamber material	-	Fibre muffle	Fibre muffle	Fibre muffle	Fibre muffle	Fibre muffle
Maximum heating- up time (without charge)	Min.	35	50	50	50	50
Temperature stability in working chamber at rated temperature in thermal steady state without charge not more than	± °C	1	1	1	1	1
Temperature uniformity in working space at rated temperature in thermal steady state without charge not more than	± °C	10	10	10	10	10
Furnace working chamber dimensions:						
width	mm	120	200	230	260	315
depth	mm	175	300	350	480	495
height	mm	100	133	180	145	240
Furnace dimensions:						
width	mm	345	440	500	600	650
depth	mm	500	620	670	890	900
height	mm	430	510	550	620	740
Mass (Netto)	kg	17	28	38	58	75

CONTROL:

- ✓ Temperature measurement by thermocouple type "K".
- ✓ 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 pre-set temperature, automatic shutdown). A wide range of devices allows selecting the most appropriate controller for your process.*
- ✓ SSR control unit.

CUSTOMS CODE:

- ✓ Customs tariff TARIC – 8514108090

SUPPLIED DOCUMENTS:

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

PRODUCTION TIME:

- ✓ Basic model usually on stock.

VALIDITY:

- ✓ 3 months.

OPTIONS:

- ✓ Buzzer – 35 €,
- ✓ Timer – 73 €,
- ✓ OTP (over temperature protection) – 105 €,
- ✓ Chimney with ventilator for aching process – 70 €
- ✓ Eurotherm 3216 (non-programmable) – 80 €,
- ✓ Eurotherm 3208 (programmable) – 155 €,
- ✓ Omron E5CC-T (programmable) – 180 €,
- ✓ Interface RS 232 or 485 – 140 €,
- ✓ PC connection and computer software
- ✓ SNOL 12V.1 – 322€,
- ✓ Metal tray (box) for samples treatment – 25-50 €,
- ✓ Protective gas box & equipment for gas inlet – price by request.

GUARANTEE:

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

COUNTRY OF ORIGIN:

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

PAYMENT CONDITION:

- ✓ Prepayment.

PACKING:

- ✓ Wooden box.

SPARE PARTS:

Fiber thermoinsulation line up to 1100°C, €	3/1100	8.2/1100	13/1100	22/1100	39/1100
Chamber (with heating elements)	120	130	180	200	263
Thermocouple (K type)	67	67	67	67	67
Ceramic bottom plates set	10	10	40	50	60



Certificate No. LT0111Q

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PROCESS: SINTERING TEMPERING SOLDERING BRAZING FUSING