

High accuracy electric fiber-insulated chamber furnace **SNOL 45/1200** is universal laboratory furnace, designed for material testing, heat treatment such as hardening, loosening, normalizing, ceramic and stoneware samples firing up to 1200°C. To eliminate gases or smoke that are released during thermal processing, an exhaust system may be additionally installed in the products. The furnace is an excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

### DESCRIPTION

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

Technical data	Units	Specifications
Useful volume	Liter	45
Rated power not more than	kW	4.6
Rated supply voltage	V	230
Rated frequency	Hz	50
Number of phases	-	1
Continuous operating temperature	°C	T+10-1200
Maximum temperature	°C	1200
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	290
depth	mm	375
height	mm	450
Furnace dimensions:		
width	mm	715
depth	mm	760
height	mm	1060
Mass (Netto)	kg	120

**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 present 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

**OTHERS:**

- ✓ CE marked

**PACKING:**

- ✓ Wooden box

**OPTIONS:**

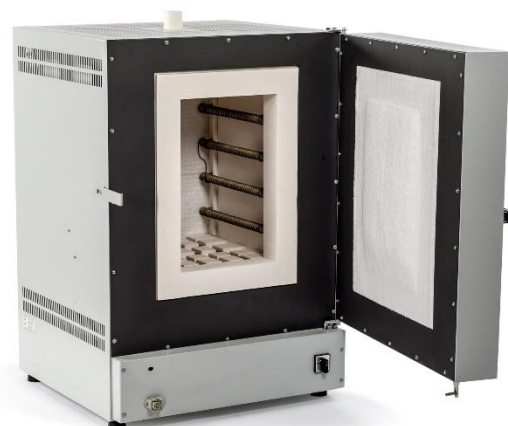
- ✓ Eurotherm 3216 (non-programmable)
- ✓ Eurotherm 3208 (programmable)
- ✓ Omron E5CC-T (programmable)
- ✓ PC connection and SNOL software
- ✓ OTP (over temperature protection, non-adjustable)
- ✓ OTP (over temperature protection, adjustable Eurotherm 3216i)
- ✓ OTP (over temperature protection, adjustable Omron E5GC)
- ✓ Buzzer
- ✓ Timer (delayed furnace start)
- ✓ Ventilation hole ceramic tube (in the back side Ø17mm)
- ✓ Chimney
- ✓ Gas injection system for Argon or Nitrogen (flowmeter, reducer and connections)
- ✓ Gas box to operate with protective gases (up to 1150°C)

**WARRANTY:**

- ✓ One year limited warranty and later service for furnace
- ✓ Possibility to extend warranty for an additional 1 year

**COUNTRY OF ORIGIN:**

- ✓ Lithuania (EU country)



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