High accuracy electric furnace with solid ceramic chamber **SNOL 7.2/1100** is intended for hardening, loosening, normalizing and other thermal processing up to 1100°C. To eliminate gases or smoke that are released during thermal processing, an exhaust system may be additionally installed in the product. The furnace is an excellent fit for scientific laboratories, educational institutions, medicine and industry.

DESCRIPTION

- ✓ Solid ceramic chamber,
- ✓ Partially exposed heating elements on four sides around the chamber,
- ✓ Outside casing – metal sheet, powder painted grey,
- ✓ Door opens sideways,
- ✓ Door safety interlock switch,
- ✓ Control panel is placed in the underpart of the furnace,
- ✓ Non-programmable temperature controller – Omron E5CC,
- ✓ Ceramic bottom plate,
- ✓ Low power consumption,
- ✓ Good stability and uniformity,
- ✓ 1 year warranty.

Technical data	Units	Specifications
Useful volume	Liter	7.2
Rated power not more than	kW	3.3
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	-	Ceramic
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	195
depth	mm	295
height	mm	120
Furnace dimensions:		
width	mm	445
depth	mm	590
height	mm	525
Mass (Netto)	kg	50

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.

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)
- ✓ Window Ø35mm temp. up to 1100°C

SUPPLIED DOCUMENTS:

- ✓ Furnace and temperature controller instructions,
- ✓ Electric diagram

WARRANTY:

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

OTHERS:

- ✓ CE marked

COUNTRY OF ORIGIN:

- ✓ Lithuania (EU country)

PACKING:

- ✓ Wooden box

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