![SNOL PART OF UMEGA GROUP]

High accuracy electric fiber-insulated chamber furnace **SNOL 80/1100** is universal laboratory furnace, designed for materials testing, heat treatment such as hardening, loosening, normalizing, ceramic and stoneware samples firing up to 1100°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,
- ✓ Vacuumed heating elements in four sides around 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	80
Rated power not more than	kW	5.4
Rated supply voltage	V	400
Rated frequency	Hz	50
Number of phases	-	3
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	405
height	mm	600
Furnace dimensions:		
width	mm	745
depth	mm	800
height	mm	1255
Mass (Netto)	kg	135

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)
- ✓ 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