



# SNOL

High accuracy electric muffle furnace **SNOL 8,2/1100** is universal laboratory furnace, designed for materials testing, heat treatment such as hardening, loosening, normalising, ceramic and stoneware samples firing up to 1100°C. To eliminate gasses or smokes that are released during thermal processing, exhaust system may be additionally installed in the products. The furnace is excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

## **BASIC MODEL:**

- One-piece high thermal efficiency vacuumed ceramic fiber chamber,
- Heating elements are embedded in vacuum formed fiber in four sides around a chamber,
- Outside casing in metal sheet, powder painting grey,
- Door opens sideways / downwards / upwards,
- Door safety interlock switch,
- Control panel is placed in under part of the furnace,
- Microprocessor - temperature controller,
- Ceramic bottom plate,
- Fast heating time due to low thermal mass construction,
- Low power consumption,
- Good stability and uniformity.

Technical data	Dimension	SNOL 8,2/1100
Useful volume	Liter	8,2
Rated power not more than	kW	1.8
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	-	Fiber muffle
Maximum heating- up time (without charge)	Min.	50
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	200
depth	mm	300
height	mm	133
Furnace external dimensions:		
width	mm	440
depth	mm	620
height	mm	510
Mass	kg	28

**CONTROL:**

- Temperature measurement by thermocouple type K,
- PID electronic regulator, double digital display reference temperature and measured temperature,
- SSR relay.

**OPTIONS:**

- Buzzer
- Timer
- OTP (over temperature protection)
- Chimney with assisted ventilator fitted with ceramic tube for exhaust fumes
- Omron ECN-HT (programmable)
- Eurotherm 3216 (non-programmable)
- Eurotherm 3208 (programmable)
- Window Ø 35mm for process observation
- PC connection and software SNOL V1.12

**MAIN SPARE PARTS:**

- Additional ceramic plate
- Chamber (with heating elements)
- Thermocouple (type K)

**SUPPLIED DOCUMENTS:**

- Furnace and temperature controller instructions,
- Electric diagram.

**GUARANTEE:**

- One year limited guarantee and later service.

**PRODUCTION TIME:**

- Basic model usually on stock.

**OTHER:**

- CE marked.

**COUNTRY OF ORIGIN:**

- Lithuania (EU country).



Door sideways



Door downwards



Door upwards

Pictures for illustration only