

High accuracy **SNOL 8.2/1100** ashing furnace with vacuumed ceramic fiber chamber, is designed for ashing and burn off processes up to 1100°C. Fan-assisted chimney permits to eliminate smokes from the chamber during processing.

DESCRIPTION

- ✓ One-piece high thermal efficiency vacuum-formed ceramic fiber chamber,
- ✓ Heating elements are embedded in vacuum-formed fiber on four sides of the chamber,
- ✓ Outside casing – metal sheet, powder painted grey,
- ✓ Fan-assisted chimney for smoke and humidity extraction,
- ✓ Door opens downwards,
- ✓ 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 | 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 | 195 |
| depth | mm | 310 |
| height | mm | 135 |
| Furnace dimensions: | | |
| width | mm | 445 |
| depth | mm | 530 |
| height | mm | 495* |
| Mass (Netto) | kg | 25 |

* – should increase by 20-85 mm, depending on the chimney

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)
- ✓ 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

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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