



SIGMA 50/E KILN - 1050°C

Sigma 50/E - 50-Litre Kiln with Eco-Friendly Fiber The Sigma 50/E is a 50-litre kiln made with *eco-friendly fiber*, perfect for workshops, schools, and hobbyists. It is suitable for firing ceramics, glazes, or third-fire decorations, ensuring excellent temperature uniformity and reduced energy consumption.

Main Features:

- Firing chamber made entirely of eco-friendly fiber, compliant with CE Regulation 1272/2008 CLP.
- Robust and ventilated structure.
- High-quality heating elements embedded in the wall grooves.
- Digital control unit with microprocessor (9 programs, 12 segments).
- Solid State Relay (SSR) for precise and silent control of heating elements.
- Hinged door with quick-lock system and inspection window.
- Compatible with refractory shelves measuring 310 x 350 mm.
- Made in Italy.

Technical Specifications: Kiln Structure:

- Welded steel construction with anti-corrosion treatment.
- Internal and external protection with powder coating and heat treatment at 200°C.
- Hinged door with perimeter gasket and inspection window.

Firing Chamber:

- External multilayer insulation to absorb moisture and prevent condensation.
- Internal lining made of eco-friendly fiber, offering the same insulating properties as ceramic fiber but without health risks.
- Exclusive internal lining solution drastically reduces maintenance and energy consumption.

Heating System:

- Kanthal A1 heating elements embedded in the sidewalls for perfectly even temperature distribution.
- SSR modulation ensures precise and silent control of heating elements.
- Type K temperature probe for temperatures up to 1100°C.

Automatic Temperature Controller TC51:

- The temperature control panel is equipped with a microprocessor for programming up to 9 storable firing cycles.
- Each program can be easily selected by choosing the corresponding number.
- Within each program, it is possible to set a firing diagram with up to 12 different temperature points, each associated with a specific time for ramp-up, ramp-down, or hold.
- The display shows real-time information on the firing process (operating program, completed segment, kiln temperature, etc.).

- Indicator lights display the current operation being performed.
- Automatic restart in case of power interruption.

SPECIFICHE

SKU	Computer type	Capacity	Max. Temp	Power	Voltage
47420	TC51	50	1050°C	2,5 Kw	220 ~ 230 V - 50 HZ

DIMENSIONS

SKU	Internal Width	Internal Depth	Internal Height	Length	Height	Depth	Weight in kg
47420	350	350	420	800	850	800	100