

MULTI-ZONE PIT FURNACE

up to 1000 °C continuous operation* (glove box compatible)



AET
TECHNOLOGIES

This equipment consists of a vertical cylindrical electric pit furnace for continuous operation up to 1000°C, an electric control panel and handling equipment.

This standard furnace, ergonomic, high-performance and robust, is available in two versions and can be customised according to your needs.



*For temperatures above 900 °C, please contact us.

ABOUT

AET Technologies is specialised in the design and manufacture of electric furnaces for research laboratories and industrial applications.

The expertise acquired over the years makes it the ideal partner to meet your needs.

With its know-how, AET Technologies is the ideal partner to support the leading names of today and tomorrow in material development & treatment.

David D'ATTOMA
Sales Director

✓ Ergonomic and easily handled loading system

The manual vertical transfer trolley with winch provides quick and secure access to the test cell (reactor), making inspection or replacement easier.

✓ A high-performance control system

Our system provides: a fast and accurate response, temperature stability ($\pm 1^\circ\text{C}$), real-time monitoring close to the load, and optimised energy consumption.

✓ Customised HMI monitoring

The AET Technologies monitoring software includes all essential supervision functions: curve plotting, history logs, alarms, file exchange, data recording, preventive maintenance assistance, sensor traceability...



Let's innovate together to reinvent
today's materials and discover
tomorrow's.

AET GROUP

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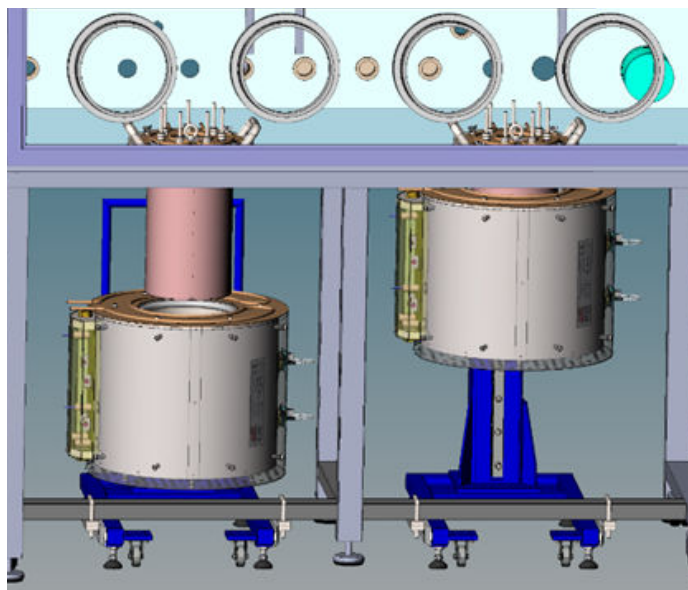
Made in
France



After-sales
service



Recognition of
excellence



Key features

- **COMPACT DESIGN AND SMALL FOOTPRINT**

This furnace is designed to integrate easily into laboratory or industrial production environments where space is limited.

- **GLOVE BOX COMPATIBLE**

The design of this furnace allows it to be installed beneath a glove box around a chamber. The secure winch system enables easy access to the reactor for inspection or replacement.

- **CMR-FREE MATERIALS (Carcinogenic, Mutagenic, Reprotoxic)**

This furnace contains no FCR and eliminates the risk of user exposure to hazardous substances (Directive 97/69/EC).

- **THERMAL HOMOGENEITY**

Equipped with 2 heating zones, at the base and on the sides, the furnace provides thermal homogeneity of $\pm 5^{\circ}\text{C}$.

- **OPTIMISED HMI INTERFACE**

The AET Technologies supervision software enables optimised management of thermal equipment.

Technical specifications

- Maximum operating temperature: 1100 °C*
- Heating rate: 600 °C/h
- Natural cooling rate
- Power: 4.7 kW or 6 kW depending on model
- Powered at 230 V
- Temperature control on furnace or load

- Usable inner diameter: Ø 210 mm
- Outer diameter: Ø 480 mm
- Heated height: 200 mm
- 2 heating zones (bottom-heated)
- Furnace height: 410 mm
- Mini height (top of furnace in lowest position): 607 mm**
- Max height (top of furnace in highest position): 900 mm**
- HMI interface: 7-inch color touchscreen
- Rear USB for CSV files, Ethernet connection

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** Customizable



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