

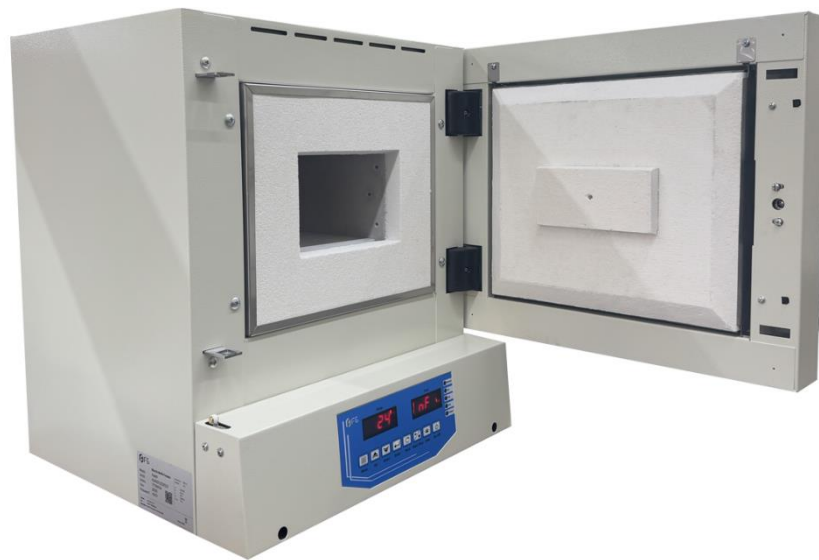


Best Technology
For Your Laboratory

ELECTRIC MUFFLE FURNACE

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FM8P



Overview | FM8P

Smart furnace model FM8P, is a durable laboratory furnace. Applications of special-type ceramic insulation and uniquely designed element installation have caused problems like repeated burnings of the element and high temperature of the outer body to disappear. Smart controller with programming and SSR output is another special features of this device.

This device is used in a variety of medical, food, industrial, pharmaceutical and research laboratories

- Volume: 8 liters

Main features | FM8P

External case coated with electrostatic powder paint

999 hours smart timer (permanently operable)

Temperature uniformity in the whole chamber

Equipped with central troubleshooting system

20% saving in energy consumption

Equipped with Error Alarm

High shock resistance

No use of asbestos

Special benefits | FM8P

Unique ceramic heating plates (CHP)

20% saving in energy consumption due to the use of ceramic insulation board with a resistance of up to 1500°C range

Element made of certain type of Iron alloy with resistance of up to 1400°C

Temperature uniformity throughout the whole surface

Element protection from metal vapors

No use of asbestos for Users health

High shock resistance

Durable element

Utilizing the latest and most accurate microcontrollers

1 program with 100 steps and 2 program with 25 steps

Vast operating range from 100°C up to 1200°C

999-hour smart timer (permanently operable)

Central troubleshooting system

Adjustable thermal ramp

PID controller

SSR output

Special benefits | FM8P

Outer body

Open door alarm to prevent element from working when door is open

Special design of the outer body for efficient use of laboratory space

Very tight door closure with 2-points door latch

Beautiful and ergonomic design

Exhaust air outlet

Light weight

Service and guaranty

10-years after sales service

2-years guaranty

Specifications | FM8P

Exterior dimensions

| | |
|--|----|
| Wall clearance, side (cm) | 15 |
| Wall clearance, rear (cm) | 10 |
| Depth Plus door handle and connection (cm) | 49 |
| Depth (cm) | 44 |
| Height (incl. feet) (cm) | 71 |
| Width (cm) | 52 |
| Weight (empty) (kg) | 34 |
| Number of doors (ea.) | 1 |

Interior dimensions

| | |
|---------------------|-----|
| Interior volume (l) | 8.3 |
| Height (cm) | 22 |
| Width (cm) | 19 |
| Depth (cm) | 20 |

Temperature data

| | |
|---|-----------|
| heating -up time to 700 °C (minute) | 70 |
| Maximum Temperature (°C) | 1200 |
| Interim temperature range (°C) | 1100-1200 |
| Maximum permanent usage temperature (°C) | 1100 |

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and voltage of 22

Specifications | FM8P

Electrical data

| | |
|----------------|--------------|
| Power (W) | 2600 |
| Frequency (HZ) | 50 |
| Voltage (V AC) | 220 |
| Current (A) | 11.8 |
| Power type | Single phase |

Packing/shipping data

| | |
|---------------------------------|------------------------------------|
| Transport information | Device Must be transported upright |
| Width incl carton (CM) approx. | 59 |
| Height incl carton (CM) approx. | 74 |
| Depth incl carton (CM) approx. | 62 |
| Packing Material | Carton |
| Gross weight (KG) approx. | 50 |

Options and accessories | FM8P

Producible based on order



Qualification folder IQ, OQ



Calibration certificate





email: global@fginst.com

website: www.fginst.com