

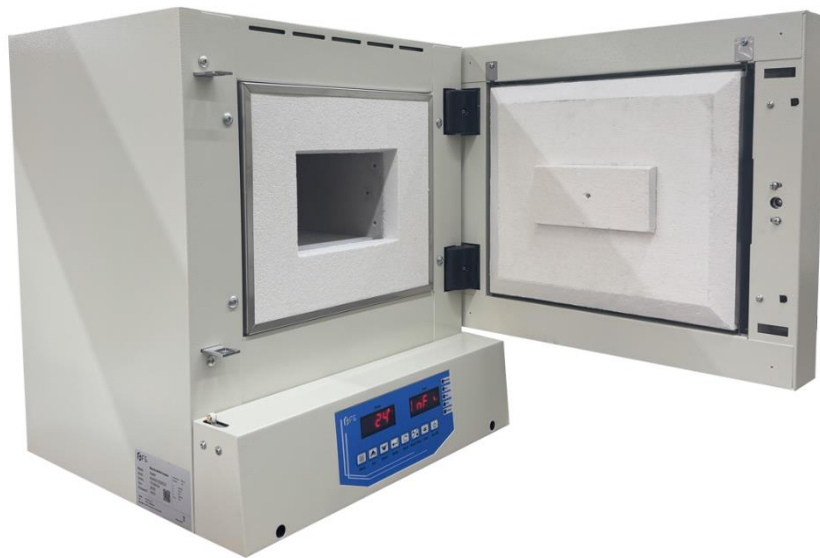


Best Technology
For Your Laboratory

ELECTRIC MUFFLE FURNACE

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FM4P



Overview | FM4P

Smart furnace model FM4P, 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, medical, pharmaceutical and research laboratories

- Volume: 4 liters

Main features | FM4P

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 | FM4P

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 programs with 25 steps

Vast operating ranges 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 | FM4P

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 | FM4P

Exterior dimensions

Wall clearance, side (cm)	15
Wall clearance, rear (cm)	10
Depth Plus door handle and connection (cm)	52
Depth (cm)	47
Height (incl. feet) (cm)	61
Width (cm)	51
Weight (empty) (kg)	30
Number of doors (ea.)	1

Interior dimensions

Interior volume (l)	4.9
Height (cm)	12
Width (cm)	18
Depth (cm)	23

Temperature data

heating-up time to 700 °C (min)	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

Special benefits | FM4P

Electrical data

Power (W)	2200
Frequency (HZ)	50
Voltage (V AC)	220
Current (A)	10
Power type	Single phase

Packing/shipping data

Transport information	Device Must be transported upright
Width incl carton (CM) approx.	58
Height incl carton (CM) approx.	65
Depth incl carton (CM) approx.	62
Packing Material	Carton
Gross weight (KG) approx.	44

Options and accessories | FM4P

Producible based on order



Qualification folder IQ, OQ



Calibration certificate





email: global@fginst.com
website: www.fginst.com