



# 1600°C Ceramic Fiber Muffle Furnace

It is used for sintering, melting and analyzing metal, nonmetal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.

## Characteristics:

- Mirror stainless steel furnace mouth, long-term use will not change color.
- Vacuum-forming polycrystalline mullite fiber furnace, high efficiency insulation.
- Double shell, the air sleeve heat insulation, and double air guiding passage.
- High-purity silicon-molybdenum rod heating, and with standard exhaust chimney.
- High precision program controller, with imported sensor and imported voltage regulating module.
- With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
- Lockable handle, quick detachable structure, easy to maintenance and repair.
- Standard with insulated gloves, crucible tongs and Alumina load bearing board.



## Main Technical Parameters:

| Model         | 30 segment Domestic controller                              | MF4-2-16                                                                                                                                                                                             | MF4-4-16     | MF4-8-16     | MF4-12-16     | MF4-20-16     | MF4-36-16     |
|---------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|---------------|---------------|---------------|
|               | 64 Segment Import Controller (Model With P)                 | MF4-2-16P                                                                                                                                                                                            | MF4-4-16P    | MF4-8-16P    | MF4-12-16P    | MF4-20-16P    | MF4-36-16P    |
|               | 30 Segment 7.0 Inch Touch Screen controller (Model With PL) | MF4-2-16PL                                                                                                                                                                                           | MF4-4-16PL   | MF4-8-16PL   | MF4-12-16PL   | MF4-20-16PL   | MF4-36-16PL   |
| Function      | Temp. Range                                                 | Max 1600°C ( Long-TERM Max Continuous Service Temperature 1500°C )                                                                                                                                   |              |              |               |               |               |
|               | Temp. Accuracy                                              | ± 1°C                                                                                                                                                                                                |              |              |               |               |               |
|               | Temp. Resolution Ratio                                      | 1°C                                                                                                                                                                                                  |              |              |               |               |               |
|               | Temp. RISING Time To Max Temp                               | <40min                                                                                                                                                                                               |              |              |               |               |               |
| Structure     | Furnace Body                                                | Polycrystalline Mullite Fiber                                                                                                                                                                        |              |              |               |               |               |
|               | Outer Shell                                                 | Cold rolling steel with electrostatic Spraying exterior                                                                                                                                              |              |              |               |               |               |
|               | Chamber Size                                                | 150*90*150                                                                                                                                                                                           | 150*150*150  | 300*150*150  | 300*200*200   | 300*260*260   | 300*400*300   |
|               | Exhaust Hole                                                | Di φ 22, De φ 18                                                                                                                                                                                     |              |              |               |               |               |
|               | Heater                                                      | Silicon Molybdenum Rod                                                                                                                                                                               |              |              |               |               |               |
|               | Heating Power                                               | 3KW                                                                                                                                                                                                  | 5.5KW        | 9KW          | 10KW          | 12KW          | 15KW          |
| Controller    | Temp. Control                                               | No Letter Model : LED Programmed Controller;<br>P Type: LCD Imported Programmed Controller;<br>PL Type: 7.0-inch touch screen program controller, with curve viewing and USB data storage functions. |              |              |               |               |               |
|               | Temp. Control Mode                                          | Intelligent Microcomputer PID Control                                                                                                                                                                |              |              |               |               |               |
|               | Display Mode                                                | No Letter Model: 4 keys Settings P Type: 5 keys Settings PL Type: Touch Type Operation                                                                                                               |              |              |               |               |               |
|               | Timer                                                       | No Letter Model: 0-9999min P Type: 0-99 hour 59min PL Type: 0-9999min                                                                                                                                |              |              |               |               |               |
|               | Operation Function                                          | Constant Value Operation Or Program Operation                                                                                                                                                        |              |              |               |               |               |
|               | Sensor                                                      | S-type Thermocouple                                                                                                                                                                                  |              |              |               |               |               |
|               | Additional Function                                         | Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction                                                                                            |              |              |               |               |               |
| Specification | Safety Device                                               | Overtemperature Alarm, Leakage Protection, Door Opening Heating                                                                                                                                      |              |              |               |               |               |
|               | Exterior Size (W*L*H)(mm)                                   | 600*755*1100                                                                                                                                                                                         | 600*815*1100 | 750*815*1100 | 750*865*1150  | 750*925*1210  | 750*1065*1250 |
|               | Packing Size (W*L*H)(mm)                                    | 760*925*1310                                                                                                                                                                                         | 760*985*1310 | 910*985*1310 | 910*1045*1360 | 910*1105*1420 | 910*1265*1460 |
|               | Volume                                                      | 2L                                                                                                                                                                                                   | 4L           | 8L           | 12L           | 20L           | 36L           |
|               | Current Rating (50/60HZ)                                    | AC220V 50Hz                                                                                                                                                                                          |              |              | AC380V 50Hz   |               |               |
|               | Nw/Gw (kg)                                                  | 70/90                                                                                                                                                                                                | 80/100       | 110/130      | 150/170       | 175/195       | 270/320       |
| Optional Type | 485 Communication, U Disk Data Storage                      |                                                                                                                                                                                                      |              |              |               |               |               |
|               |                                                             |                                                                                                                                                                                                      |              |              |               |               |               |