

Technical datasheet

# High-Temperature Ceramic-Fiber Muffle Furnaces

5.4-12 L ceramic-fiber muffle furnaces with molybdenum-disilicide heating elements and listed maximum use temperatures of 1500 or 1600 °C, depending on model.



Representative exterior. Chamber size, temperature class and controller configuration depend on the selected model and options.

## Key features

Model-specific chamber size, electrical ratings and use-temperature limit

Ventilated casing and stainless steel inner door liner

Overcurrent, overtemperature and door-open power protection

## Standard Configuration

Sectional ceramic-fiber chamber, molybdenum-disilicide heating elements, fiber-board insulation, one current/voltage meter pair, reinforced hinges, adjustable door latch and cooling fans. Controller configuration is selected in the quotation. Ventilated casing, stainless steel inner door liner, overcurrent, overvoltage, overheating, leakage and short-circuit protection, and door-open power cutoff. The lower control setting is ambient temperature +30 °C.

## Optional Accessories

LCD or programmable controller selection, printers, RS-485 interface and communication software are listed options. Confirm the selected controller's program capability, loading accessories and electrical frequency before ordering.

## Technical Information

| Model      | Chamber volume (L) | Voltage (V) | Input power (W) | Maximum use (°C) | Control limit (°C) |
|------------|--------------------|-------------|-----------------|------------------|--------------------|
| PT-MUF-004 | 5.4                | 380         | 8000            | 1500             | 1600               |
| PT-MUF-035 | 9                  | 380         | 9000            | 1500             | 1600               |
| PT-MUF-036 | 12                 | 380         | 12000           | 1500             | 1600               |
| PT-MUF-037 | 5.4                | 380         | 8000            | 1600             | 1700               |
| PT-MUF-038 | 9                  | 380         | 9000            | 1600             | 1700               |
| PT-MUF-039 | 12                 | 380         | 12000           | 1600             | 1700               |

## Technical Information

| Model      | Chamber dimensions (mm) | External dimensions (mm) |
|------------|-------------------------|--------------------------|
| PT-MUF-004 | 150 × 300 × 120         | 650 × 870 × 1565         |
| PT-MUF-035 | 200 × 300 × 150         | 700 × 870 × 1595         |
| PT-MUF-036 | 200 × 300 × 200         | 700 × 970 × 1605         |
| PT-MUF-037 | 150 × 300 × 120         | 650 × 870 × 1565         |
| PT-MUF-038 | 200 × 300 × 150         | 700 × 870 × 1595         |
| PT-MUF-039 | 200 × 300 × 200         | 700 × 970 × 1605         |

## Selection / Ordering Information

Specify the model, sample type, required working temperature, loading arrangement and electrical supply. Use the listed maximum use temperature when selecting the process.