

MUFFLE FURNACE

(+1800°C)

LABEC 1800°C Muffle Furnaces are manufactured to the highest quality standards and feature double skinned construction with fan cooling exterior keeps the exterior body cool at high temperatures.

The furnace features light weight ceramic fibre insulation for rapid thermal cycling and heating by Molybdenum disilicide elements which allow for rapid heating and cooling and provide a superior element life. The furnace features a rear vent port for natural venting or gas purging.

The door is firmly held closed with adjustable side locking latch and has a safety cut off when the door is opened during operation. A digital microprocessor based PID temperature controller controls the temperature within the range 300°C to +1800°C, when optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

To suit your functionality the addition of options such as programmable controllers, timers and access ports are also available.



Serving the Scientific, Medical and Research industries since 1945

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SPECIFICATIONS

MUFFLE FURNACE (+1800°C)

| Model | HT04/18 | HT08/18 | HT16/18 | HT32/18 | HT64/18 |
|------------------------|--|-------------|-------------|-------------|---------------|
| Capacity (litres) | 4 litres | 7 litres | 16 litres | 32 litres | 64 litres |
| Int. Dim. (mm) WxHxD | 150x150x150 | 150x150x300 | 200x260x300 | 200x260x600 | 400x400x400 |
| Ext. Dim. (mm) WxHxD | 700x470x450 | 700x470x550 | 750x580x550 | 750x580x750 | 1050x1750x700 |
| Temp. Min | 300°C | | | | |
| Temp. Max | 1800°C | | | | |
| Temp. Controller | Digital PID Controller | | | | |
| Temp. Setting Accuracy | 1°C | | | | |
| Temp. Fluctuation | +/- 1% | | | | |
| Temp. Sensor | Type B | | | | |
| Heating System | Molybdenum Disilicide Elements | | | | |
| Interior Material | Ceramic Lined | | | | |
| Exterior Material | Stainless Steel | | | | |
| Options | Programmable controllers, timers, access ports. Safety lift up door, cantilever door, higher temperature models available. | | | | |
| Safety Features | Over temperature safety controller, earth leakage breaker (ELB). | | | | |
| Power Supply | 240V | | | | |
| Power | 25AMPS | | | | |
| Weight (kg) | 100 | 120 | 130 | 150 | 180 |

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