

Muffle Furnaces



Electric Muffle Furnaces "Select-Horn-TFT"

TEMPERATURE CONTROLLABLE UP TO 1150 °C.
 SET ACCURACY: ± 1 °C OF THE SET VALUE. RESOLUTION: 1 DIGIT.
 DIGITAL ELECTRONIC CONTROLLER FOR TEMPERATURE AND TIME WITH TFT COLOUR TOUCH SCREEN.

SAFETY:

PROBE BREAK DISCONNECTS THE POWER TO THE FURNACE AUTOMATICALLY.
 MICROSWITCH THAT DISCONNECTS THE POWER OF THE HEATER ELEMENTS WHEN THE DOOR IS OPEN.
 FLIP DOOR THAT CAN ALSO BE USED AS A SUPPORT TRAY AND USER PROTECTED FROM THE HOT INTERNAL SURFACE.

APPLICATIONS

Incineration processes, drying, degradation, re-heating, thermal treatments etc.

FEATURES

Interior chamber constructed from high quality lightweight refractory bricks, with a high alumina content with no asbestos or iron oxide.

Evenly distributed exceptional long life heating elements, annealed frequently at a high fusion point.

Excellent thermal insulation made from Ceramic fibre of low density and thermal conductivity.

Low consumption with maximum performance.

Rapid temperature recovery after the door has been opened.

Flap door with easy to change components.

Support tray made from special steel used as a base to support assay material.

USB and RS-232 output.

CONTROL PANEL

General

Main switch.

TFT touch screen 4.3".

Clock calendar.

Two working modes, normal or programming.

SPA - FRE - ENG menu.

Self-test on starting.

Temperature control auto-tuning.

°C/°F selection.

Type K probe.

Normal mode

Set point temperature selection

Up ramp or no ramp.

Stability time from 1 min to 99h or continuous.

Programming mode

10 programs capacity.

6 segments per program.

Stability time in each segment from 1 min to 99h (or continuous in the last segment)

Up ramps between segments or no ramps

Daily - weekly On / Off programming.

MODELS

Part No.	Capacity litres	Height / Width / Width (interior) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
2000376	3.6	10 15 24	52 54 56	2500	54
2000377	9	15 20 30	58 59 65	3000	70

Supplied complete with support tray, made from annealed steel.



Temperature ramps graph

Alarms

Network failure detection alarm.

Probe error detection alarm.

Over temperature and low temperature alarms.

Visual audible warning alarms.

Up to 100 alarms storage (date, start time, end time and alarm type).

Datalogging

Datalogging memory up to 15000 data.

Logging interval from 5 seconds to 30 min.

Data download via RS-232 or USB.

PC software for on-line registration (via RS-232).



Image of the flap door system in operation.

SPARES

Support tray made from special steel used as a base to support assay material.

Code **0203681** for furnace Part No. 2000366

Code **0203692** for furnace Part No. 2000367

