Muffle Furnaces

REFRACTORY STONE INTERIOR. RECOMMENDED FOR PROLONGED USE.

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.
UP TO 10 PROGRAMABLE TEMPERATURE PROFILES.

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 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.
ºC/ºF selection.
Type K probe.
Normal mode
Set point temperature selection
Up ramp.
Stability time from 1 min to 99h or continuous.
Programming mode
10 profiles capacity.
6 segments per profile.
Stability time in each segment from 1 min to 99h (or continuous in the last segment)
Up ramps between segments.
Daily - weekly On / Off programming.



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 USB.



Image of the flap door system in operation.

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.

SPARES

Support tray made from special steel used as a base to support assay material.
Code 0203681 for furnace Part No. 2000376
Code 0203692 for furnace Part No. 2000377

