

# Muffle Furnaces



## Electric Muffle Furnace "Select-Horn"

TEMPERATURE CONTROLLABLE UP TO 1150 °C.  
 SET ACCURACY:  $\pm 1$  °C OF THE SET VALUE. RESOLUTION: 1 DIGIT.  
 DIGITAL ELECTRONIC CONTROLLER FOR TEMPERATURE AND TIME THAT HAS THE POSSIBILITY TO PROGRAM A SLOPE OF 8 SEGMENTS OR TWO SLOPS OF 4 SEGMENTS.

**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

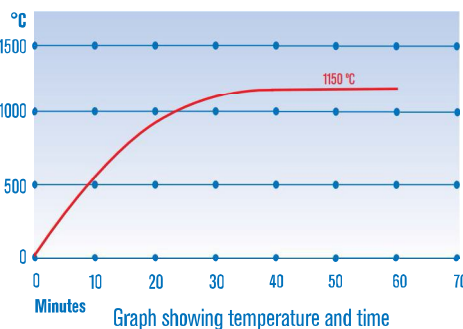
Incineration processes, drying, degradation, re-heating, thermal treatments etc.

### 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.



*Image of the flap door system in operation.*

### CONTROL PANEL

Mains Switch.  
 Mains indicator lamp.  
 Digital electronic controller for temperature and time that has the possibility to program a slope of 8 segments or two slopes of 4 segments.  
 Simultaneously indication of the actual and set temperature (4 digits).  
 K-Type Probe.

### MODELS

Part No.	Capacity litres	Height / Width / Width (interior) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
<b>2000366</b>	3,6	10 15 24	52 54 56	2500	54
<b>2000367</b>	9	15 20 30	58 59 65	3000	70

Supplied complete with support tray, made from annealed steel.



**ACCESSORIES.** All accessories need to be fitted in the factory prior to delivery.



**Programmable Microprocessor.**

Capacity: 10 Programs of 10 segments per program.  
Run time for 1 program: from 1" to 99 hours.  
Program repetition: from 0 to 99 times or cycles.  
Precision:  $\pm 0,25\%$   
Part No. **2001227**



**Exterior exhaust tube.**

Located at the back of the furnace with a ventilator motor to extract gases and vapours.  
With an 80 mm Ø hat adapter.  
Gases and Vapours can be extracted outside through the connecting tube.  
Power consumption: 30 W.  
Part No. **2001477**



**ACCESSORIES**



**Crucible tongs.**

With thermally protected plastic coated handles.  
With bow, curved tips.  
Part No. **1001590** Total length 220 mm.  
Part No. **1001591** Total length 330 mm.



**Gloves Thermal "Kevlar 800"**

Conforms to EN 388, EN407 and EN420 standards.  
For use with temperatures up to 800 °C, Made from seamless terry knit, with double face fibres, high level of protection against heat and flame.  
Length 36 cm, universal fit.  
Part No. **5000042**



**Crucibles made of zirconium Zr.**  
**Crucibles made of pure nickel Ni.**  
**Crucibles made of glazed porcelain.**  
**Crucibles made of stainless steel.**  
(See page 176).



**Muffle furnace electric "N-8 L" 1100 °C**

FOR TEMPERATURES ADJUSTABLE UP TO 1100 °C.  
ELECTRONIC DIGITAL TEMPERATURE CONTROL.  
PRECISION  $\pm 2$  °C OF THE SET VALUE.  
RESOLUTION: 1 DIGIT.



**FEATURES**

Metal external case with vent at the back of the unit.  
Interior and door made of ceramic fibre, resistant and durable (No asbestos). Heater situated at the side and bottom of the chamber.

**CONTROL PANEL**

Illuminated main On/Off switch.  
Temperature control with digital display of both the set and actual temperature.  
Programmable in steps of 1 °C.  
Fitted with a type K probe.



MODEL	Part No.	Capacity litres	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
N-8 L	<b>2200851</b>	8,2	14,5 20 30	41 43,5 54	1800	33

Supplied complete with a refractory ceramic tray as a base and support for material to be assayed.  
Shelf size: 1 cm height x 16 cm width x 25 cm depth.



## Muffle furnace electric "N-30 L" 1300 °C

FOR TEMPERATURES ADJUSTABLE UP TO 1300 °C.  
ELECTRONIC DIGITAL TEMPERATURE CONTROL.  
PRECISION  $\pm 2$  °C OF THE SET VALUE.  
RESOLUTION: 1 DIGIT.

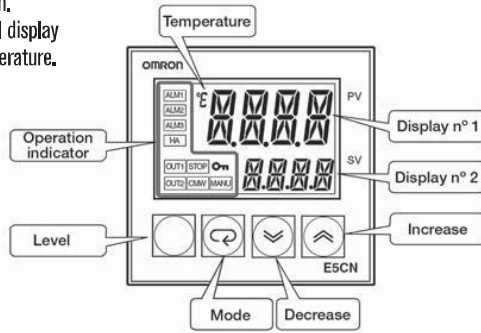


### FEATURES

Metal external case with vent at the back of the unit. Interior and door made from ceramic fibre, resistant and durable (No asbestos). Heater situated at the side and bottom of the chamber.

### CONTROL PANEL

Illuminated mains On/Off switch.  
Temperature control with digital display of both the set and actual temperature.  
Programmable in steps of 1 °C.  
Fitted with a type K probe.



MODEL	Part No.	Capacity litres	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Voltage V	Weight Kg
N-30 L	2200853	30	27,5 24 43	63 87 84	4600	230	120

Supplied complete with a refractory ceramic tray as a base and support for material to be assayed.



## Muffle furnace electric "N-80 L" 1100 °C

FOR TEMPERATURES ADJUSTABLE UP TO 1100 °C.  
ELECTRONIC DIGITAL TEMPERATURE CONTROL.  
PRECISION  $\pm 2$  °C OF THE SET VALUE.  
RESOLUTION: 1 DIGIT.

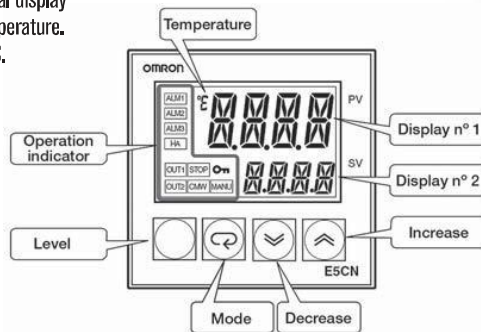


### FEATURES

Metal external case with vent at the back of the unit. Interior and door made from ceramic fibre, resistant and durable (No asbestos). Heater situated at the side and bottom of the chamber.

### CONTROL PANEL

Illuminated mains On/Off switch.  
Temperature control with digital display of both the set and actual temperature.  
Programmable in steps of 1 °C.  
Fitted with a type K probe.



MODEL	Part No.	Capacity litres	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Voltage V	Weight Kg
N-80 L	2200855	80	48 40 40	157 94 98	7500	400 / 3 N	170

Supplied complete with a refractory ceramic tray as a base and support for material to be assayed.