

Aa

Bb

Cc

Dd

Ee

Ff

Gg

Hh

Ii

Jj

Kk

Ll

Mm

Nn

Oo

Pp

Qq

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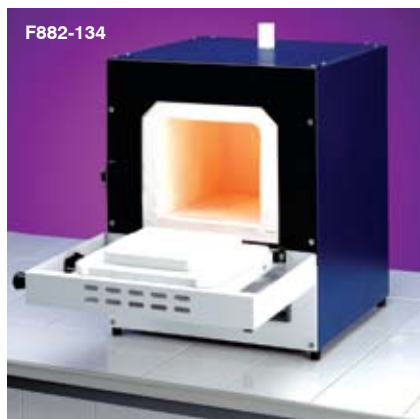
Vv

Ww

Xx

Yy

Zz



Chamber Furnace, Economy, EF

An economical, rapid heating and lightweight furnace incorporating a one-piece low thermal mass heating element for general laboratory use.

- The drop down door can be used as a shelf
- Chimney is fitted as standard
- PID digital control with dual digital display indicating set point actual measured temperature. An adjustable ramp to setpoint feature is included. An enhanced digital programmer option is available, please see Factory Fitted Optional Extras

Catalogue No	F882-134
Chamber capacity, litres	8
Maximum temperature, °C	1100
Maximum continuous temperature, °C	1050
Time to temperature, minutes	25
Internal dimensions (hwxwd), mm	180 x 190 x 235
External dimension (hwxwd), mm	495 x 420 x 490
Maximum power, kW	1.8
Weight, Kg	19



Furnace, General Purpose, ECF

Robust and versatile range of laboratory furnaces. Heating is provided by two side-wall elements manufactured from high temperature resistance nickel chrome wire spirals embedded into cast refractory slabs.

- Exhaust chimney is fitted as standard
- The insulated door slides upwards keeping the hot face away from the operator
- The use of double skin construction allows natural air convection to maintain a cool outer case
- Door switch isolates power from the heating elements whenever the door is opened
- PID digital control with dual digital display indicating set point actual measured temperature. An adjustable ramp to setpoint feature is included

Catalogue No	F882-104	F882-110	F882-116	F882-120
Chamber capacity, litres	3.9	9.2	28	42
Maximum temperature, °C	1200	1200	1200	1200
Maximum continuous temperature, °C	1150	1150	1150	1150
Time to temperature, minutes	95	156	180	150
Internal dimensions (hwxwd), mm	101 x 152 x 254	127 x 178 x 406	203 x 305 x 454	305 x 305 x 454
External dimension (hwxwd), mm	655 x 500 x 520	700 x 555 x 615	870 x 715 x 760	870 x 715 x 760
Maximum power, kW	2.0	2.6	5.0	6.0
Weight, Kg	47	64	130	130

Ashing Furnace, SAF

Robust traditionally built muffle furnace capable of accepting up to 15 crucibles up to 50mm diameter.

- Chimney is fitted as standard
- PID digital control with dual digital display indicating set point actual measured temperature. An adjustable ramp to setpoint feature is included. An enhanced digital programmer option is available, please see Factory Fitted Optional Extras



Catalogue No	F882-210
Chamber capacity, litres	7.0
Maximum temperature, °C	1100
Maximum continuous temperature, °C	1050
Time to temperature, minutes	155
Internal dimensions (hwxwd), mm	90 x 170 x 455
External dimension (hwxwd), mm	700* x 550 x 765
Maximum power, kW	3.9
Weight, Kg	76

* Height with chimney is 1100mm

Factory Fitted Optional Extras

Digital Programmer, Eurotherm 3216P1 - Microprocessor based programmer incorporating 8 control segment pairs each with a ramp and a dwell. Features scrolling text to provide current status information. The controller continually corrects for drift and this gives high stability and rapid response to changes.

Enhanced Digital Programmer, Eurotherm 3508P1 - Advanced setpoint programming temperature controller with 20 segments, any of which may be a ramp, step or dwell. Large numeric and text displays to provide current information to the user.

Four Sided Heating - This option upgrades the standard two sided heating to four sided heating as is recommended in the following circumstances

- For use with metal retort and ceramic liners
- To improve chamber temperature uniformity to meet specific process requirements
- To uprate the furnace power to cope with large loads
- Please contact our sales office for ordering information

Ashing Option - Chamber furnaces can be modified to incorporate an air exchange system, including a larger chimney, which makes them suitable for the small scale ashing of a wide variety of materials.

(This option may only be fitted at the time of ordering)

Catalogue No	Description	For use with
F882-221	Digital Programmer, Eurotherm 3216P1	All
F882-223	Enhanced Digital Programmer, Eurotherm 3508P1	All
F882-227	Ashing Option	ECF Range

Tube Furnace, LTF

Laboratory tube furnaces are manufactured in polished stainless steel with an outer enamelled mesh cover, which allows natural air cooling for operator safety.

- Heating is provided by an integral wound wire element
- Low thermal mass insulation is used throughout for rapid response rates and improved efficiency
- PID digital control with dual digital display indicating set point actual measured temperature. An adjustable ramp to setpoint feature is included. An enhanced digital programmer option is available, please see Chamber Furnace, Optional Extras

Catalogue No	F882-342	F882-346	F882-348	F882-350
Heated Length, mm	250	500	610	750
Internal tube diameter, mm	25	38	50	75
Maximum temperature, °C	1200	1200	1200	1200
Maximum continuous temperature, °C	1150	1150	1150	1150
External dimension (h x l x d), mm	565 x 310 x 300	565 x 560 x 300	565 x 670 x 330	565 x 810 x 330
Maximum power, kW	0.7	1.4	2.0	3.0

