

Guide to chamber furnace selection

Ashing for material analysis

Heat treatment of non-combustible material

Which materials will be used?

Man made & natural hydrocarbons
(eg plastics, paint, oil, rubber, coal)

Natural materials & fibres
(eg wheat, flour, cereal crops, grass)

Ashing for dust free analysis
(eg ceramic fibre content)

Metals
(eg steel, alloys)
1100°C, 1200°C and 1300°C

Ceramics
(eg silica, cement)
1100°C to 1800°C

AAF range

**AAF range
CWF range**

GSM 11/8

**CWF range
ELF range**

**CWF range
RHF/HTF range
ELF range**

Suitable for heat treatment

Suitable for heat treatment

Suitable for heat treatment

Suitable for ashing

Suitable for ashing

Suitable for ashing

AAF range

A furnace designed for ashing and burning with protected elements and preheated air giving a high level of uniformity.

GSM 11/8

A fused silica muffle minimises residual ceramic dust for specific analysis applications.

Resistant to chemical attack.

CWF range

A flexible furnace, which can be used for light duty ashing. It is ideal for heat treatment applications due to its robust construction.

ELF range

A furnace which is ideally suited to light duty work.

Rapid heat up.

RHF/HTF range

For sintering of technical ceramics and testing silicon-based materials a higher temperature may be required. The RHF/HTF ranges provide up to 1800°C.