

## Ash Fusibility Test Furnace - CAF 16/38

### General Information

The CAF 16/38 is designed to test coal ash fusibility according to BS ISO 540:2008.

The CAF 16/38 requires manual observation and recording of the transition points. In addition, a CAF furnace with automated digital image capture and archiving using Windows compatible software, the Coal Ash Fusibility Test Furnaces CAF G5, is available.



### Standard features

- To determine coal ash fusibility
- Suitable for testing to BS ISO 540:2008
- A single sample may be tested
- Tests can be run up to 1600°C
- User defined temperature ramp
- Sealed work-tube for use with fail-safe gas control mechanism for use with toxic and inflammable gas mixtures
- The sliding and rotating door mechanism provides unrestricted access for sample loading
- Supplied complete with sample holder, mounting tiles and loading tool
- Programmed ramping to the test starting temperature
- Reducing gas 50% (v/v) H<sub>2</sub> + 50% (v/v) CO<sub>2</sub>, Oxidising gas CO<sub>2</sub>, Purge gas CO<sub>2</sub>

### Technical Specifications

#### CAF-16/38

Max temp (°C)	1600
Maximum number of samples per run	1
Maximum recommended heat-up rate (°C/min)	8
Dimensions: Fixed tube inner diameter (mm)	38
Dimensions: External H x W x D (mm)	700 x 505 x 650
Max power (W)	4800
Thermocouple type	Pt and Pt/13%Rh
Power supply	220 - 240 V single phase + N
Atmosphere	H <sub>2</sub> reducing gas