

# Furnaces

## Ashing Furnaces, 1100°C

### CARBOLITE®

Leading Heat Technology

- ◆ Upward action parallel link door keeps hot face away from the operator
- ◆ Preheated, high-rate airflow is held close over the samples by the low chamber roof to promote burning
- ◆ Fitted chimney to remove fumes
- ◆ FX358-14 complies with BS1016 part 4, ISO344, ISO1171, ASTM D2361, ASTM D2795 and ASTM D3174

Catalogue No.		<b>FX358-09</b>	<b>FX358-14</b>
Model		AAF11/3	AAF11/7
Temperature Max/Continuous	°C	1100/1000 — both models	
Heating time	minutes	140 (1000°C)	155 (1000°C)
Volume	litres	3	7
Controller		301PID — both models	
Dimensions, mm Internal (External)*	H	90 (585)	90 (650)
	W	150 (375)	170 (430)
	D	250 (485)	455 (740)
Weight	kg	22	63
Rating maximum	kW	2.1	4

\*External dimensions are with the door closed.

### Ashing Furnaces, AAF

As described. Maximum temperature 1100°C. With 301PID controller, chimney and preheated airflow through the chamber. Supplied with inconel sample tray, perforated sample tray and removable handle. For 230V 50Hz single phase supplies.

**FX358-09** AAF11/3, 301PID control

**FX358-14** AAF11/7, 301PID control

### Coal/Coke Test Products

We are able to supply a full range of test furnaces and ovens for coal and coke evaluation to meet international standards and specifically national standards including DIN, ASTM and BS. These include ashing, volatile matter, moisture and ash fusibility – details on request.



FX358-14

## Tube Furnaces, 1200°C

### CARBOLITE®

Leading Heat Technology

- ◆ Choice of controller
  - 301PID
  - 3216P1 8-segment programmer
- ◆ Outer mesh safety guard
- ◆ Energy efficient, utilising low thermal mass insulation
- ◆ Fully protected thermocouple between the work tube exterior and heating element allows full use of the work tube internal diameter

Catalogue No.		<b>FX520-12</b> <b>FX525-12</b>	<b>FX520-32</b> <b>FX525-32</b>	<b>FX527-27</b>
Model		MTF12/25/250	MTF12/38/250	CTF12/75/700
Temperature Maximum Continuous	°C	1200 1100	1200 1100	1200 1100
Controller		301PID or 3216P1	301PID or 3216P1	3216P1
<b>Work tube</b>				
Bore x length	mm	25 x 300	38 x 300	75 x 750
Heated length	mm	250	250	700
Uniform zone*	mm	60	90	265
<b>Overall</b>				
Height	mm	375	375	525
Width	mm	370	450	775
Depth	mm	375	375	360
Weight	kg	10	15	28
Rating maximum	kW	0.7	1	3

\* Uniform zone is ±5°C.

### Tube Furnaces MTF/CTF

As described. Maximum temperature 1200°C. With horizontal fixed wound wire element and impervious ceramic tube mounted on a control module. For 230V 50Hz single phase supplies.

### With 301PID Controller

**FX520-12** MTF12/25/250, 301PID

**FX520-32** MTF12/38/250, 301PID

### With 3216P1 Programmer

**FX525-12** MTF12/25/250, 3216P1

**FX525-32** MTF12/38/250, 3216P1

**FX527-27** CTF12/75/700, 3216P1



FX525-32, FX520/FX527 are similar