

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.		FX358-09	FX358-14
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, TF1-series, 1200°C

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Detachable tube furnace and separate control box module with 2m connecting cable to allow remote horizontal use. Alternatively the furnace can be mounted directly onto the control box.

- ◆ Fully protected thermocouple
- ◆ EPC3016P1 controller/programmer with up to 12 ramp and 12 dwell times, ethernet output
- ◆ Energy efficient, utilising low thermal mass insulation
- ◆ Choice of accessory worktubes

Catalogue No.		FX520-38	FX520-60
Model		TF1 12/60/300	TF1 12/125/600
Temperature Maximum/Continuous	°C	1200/1100 - both models	
Heat-up time, minutes		35	90
Maximum work tube dimensions			
Diameter (max.)	mm	60	125
Heated length	mm	300	600
Uniform zone*	mm	6177	456
Overall H x W x D, mm			
Furnace module		575 x 495 x 480	665 x 865 x 575
Controller		230 x 485 x 480	230 x 855 x 480
Weight	kg	37	89
Rating maximum	kW	1.5	2.51

* Uniform zone is $\pm 5^\circ\text{C}$.

Tube Furnaces TF1

As described. Maximum temperature 1200°C. With EPC3016P1 24 element programmer, 2 metre connecting cable and ethernet output port. For 230V 50Hz single phase supplies. **Requires accessory furnace tubes for operation.**

FX520-38 TF1 12/60/300

FX520-60 TF1 12/125/600

Accessory work tubes

Mullite and impervious aluminous porcelain. Maximum temperature 1550°C (vertical use), 1450°C (horizontal use), 1350°C (vacuum use in any orientation). Heating and cooling rate should be 5°C per minute. Dimensions stated are i.d. x o.d. x length.

FX522-15 25 x 32 x 580mm

FX522-20 38 x 46 x 580mm

FX522-48 75 x 86 x 950mm

Other work tube sizes are available – details on request.



FX520 with tube module mounted on control box