

## Ashing Furnace AAF - 18 & 32 litres

### General Information

The AAF ashing furnace range is designed specifically to provide optimum ashing conditions to ensure complete combustion of the sample.

For those laboratories where ashing is interspersed with other heat treatment work the ashing furnace AAF 12/18 & AAF 12/32 provide all of the advantages of the AAF design, but with a higher maximum operating temperature of 1200 °C.



### Standard features

- 1100 °C & 1200 °C maximum operating temperatures
- Carbolite Gero 301 single ramp to setpoint & process timer
- Two tier rack system doubling the sample capacity
- With sample trays and loading handle allows for large number of samples
- Ideal for ashing foods, plastics, coal & other hydrocarbon materials
- Preheating of air before it enters the chamber
- Protection of the elements from carbon build-up or corrosive atmosphere, using silicon carbide tiles
- 2 sided heating

### Options (specify these at time of order)

- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)

### Technical Specifications

#### AAF 11/18

Max temp (°C)	1100
Heat-up time (mins)	70
Max continuous operating temp (°C)	1000
Dimensions: Internal H x W x D (mm)	235 x 196 x 400
Dimensions: External H x W x D (mm)	705 x 505 x 675
Dimensions: External with door open H x W x D (mm)	990 x 505 x 675
Dimensions: Height to top chimney (mm)	990
Volume (litres)	18
Max power (W)	7080
Holding power (W)	3500

## Ashing Furnace AAF - 18 & 32 litres

Thermocouple type	K
Weight (kg)	70

### AAF 11/32

Max temp (°C)	1100
Heat-up time (mins)	--
Max continuous operating temp (°C)	1000
Dimensions: Internal H x W x D (mm)	250 x 280 x 450
Dimensions: External H x W x D (mm)	820 x 690 x 730
Dimensions: External with door open H x W x D (mm)	1050 x 690 x 730
Dimensions: Height to top chimney (mm)	1200
Volume (litres)	32
Max power (W)	9000
Holding power (W)	----
Thermocouple type	K
Weight (kg)	100

### AAF 12/18

Max temp (°C)	1200
Heat-up time (mins)	70
Max continuous operating temp (°C)	1100
Dimensions: Internal H x W x D (mm)	235 x 196 x 400
Dimensions: External H x W x D (mm)	705 x 505 x 675
Dimensions: External with door open H x W x D (mm)	990 x 505 x 675
Dimensions: Height to top chimney (mm)	990
Volume (litres)	18
Max power (W)	7080
Holding power (W)	3500
Thermocouple type	R
Weight (kg)	70

## Ashing Furnace AAF - 18 & 32 litres

### AAF 12/32

Max temp (°C)	1200
Heat-up time (mins)	--
Max continuous operating temp (°C)	1100
Dimensions: Internal H x W x D (mm)	250 x 280 x 450
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Dimensions: Height to top chimney (mm)	1200
Volume (litres)	32
Max power (W)	9000
Holding power (W)	----
Thermocouple type	R
Weight (kg)	100

### Please note:

- Holding power is measured at 500°C
- Heat up rate is measured to 100°C below max, using an empty chamber
- Maximum power and heat up times based on a 240V supply