



# ASHING FURNACE AAF - 18 & 32 LITRES

**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
- | Programmable EPC3016P1 controller
- | 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
- | Soft closing door protects the thermal insulation

## OPTIONS (*SPECIFY THESE AT TIME OF ORDER*)

- | A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available - more information about controllers
- | Over-temperature protection (recommended to protect valuable contents & for unattended operation)



## TECHNICAL DETAILS (MODELS)

	<b>AAF 11/18</b>	<b>AAF 11/32</b>
<b>Max temp (°C)</b>	1100	1100
<b>Heat-up time (mins)</b>	70	--
<b>Max continuous operating temp (°C)</b>	1000	1000
<b>Dimensions: Internal H x W x D (mm)</b>	235 x 196 x 400	250 x 280 x 450
<b>Dimensions: External H x W x D (mm)</b>	715 x 505 x 680	820 x 690 x 775
<b>Dimensions: External with door open H x W x D (mm)</b>	1000 x 505 x 765	1115 x 690 x 910
<b>Dimensions: Height to top chimney (mm)</b>	1000	1510
<b>Volume (litres)</b>	18	32
<b>Max power (W)</b>	7080	9000
<b>Holding power (W)</b>	3500	----
<b>Thermocouple type</b>	K	R
<b>Weight (kg)</b>	70	100

	<b>AAF 12/18</b>	<b>AAF 12/32</b>
<b>Max temp (°C)</b>	1200	1200
<b>Heat-up time (mins)</b>	70	--
<b>Max continuous operating temp (°C)</b>	1100	1100
<b>Dimensions: Internal H x W x D (mm)</b>	235 x 196 x 400	250 x 280 x 450
<b>Dimensions: External H x W x D (mm)</b>	715 x 505 x 680	820 x 690 x 775
<b>Dimensions: External with door open H x W x D (mm)</b>	1000 x 505 x 765	1115 x 690 x 910
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<b>Volume (litres)</b>	18	32
<b>Max power (W)</b>	7080	9000
<b>Holding power (W)</b>	3500	----
<b>Thermocouple type</b>	R	R
<b>Weight (kg)</b>	70	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

[www.carbolite.com/aaf18](http://www.carbolite.com/aaf18)