



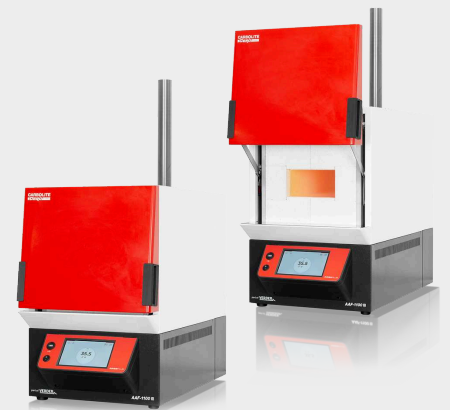
## ASHING FURNACE AAF - 3 & 7 LITRES

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

The AAF 11/3 & AAF 11/7 ashing furnaces provide a continuous flow of preheated air through the chamber, and are designed to comply with ISO 1171:2010, ASTM D3174-04: 2010 and ASTM D4422.

## STANDARD FEATURES

- | 1100 °C maximum operating temperatures
- | Programmable EPC3016P1 controller
- | Ideal for ashing foods, plastics, coal & other hydrocarbon materials
- | Designed to comply with ISO 1171:2010, ASTM D3174-04:2010 and ASTM D4422
- | Wire elements are protected from chemical & mechanical damage by a hard wearing alumina based liner
- | 4 sided heating (2 sides, roof & hearth)
- | Air inlet & tall chimney give airflow of 4 to 5 changes per minute
- | Low chamber height holds airflow close to samples for optimum combustion
- | Powerful elements with graded winding compensate for heat loss due to high airflow
- | Preheating of air before it enters the chamber gives excellent uniformity
- | Sample tray and loading handle
- | 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)
- | 2 phase electrical supply for AAF 11/7



AAF 11/3



AAF 11/7

ASHING FURNACE AAF - 3 & 7 LITRES  
**TECHNICAL DATA**

## TECHNICAL DETAILS (MODELS)

	<b>AAF 11/3</b>	<b>AAF 11/7</b>
<b>Max temp (°C)</b>	1100	1100
<b>Heat-up time (mins)</b>	155	155
<b>Max continuous operating temp (°C)</b>	1000	1000
<b>Dimensions: Internal H x W x D (mm)</b>	90 x 150 x 250	90 x 170 x 455
<b>Dimensions: External H x W x D (mm)</b>	595 x 375 x 495	670 x 435 x 750
<b>Dimensions: External with door open H x W x D (mm)</b>	810 x 375 x 540	915 x 435 x 805
<b>Dimensions: Height to top chimney (mm)</b>	790	1070
<b>Volume (litres)</b>	3	7
<b>Max power (W)</b>	2100	4000
<b>Holding power (W)</b>	1270	2624
<b>Thermocouple type</b>	K	K
<b>Weight (kg)</b>	22	63

### 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/aaf](http://www.carbolite.com/aaf)