

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
- | Carbolite Gero 301 controller, with single ramp to set-point & process timer
- | Large floor area allows for large numbers of samples
- | 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

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

TECHNICAL DETAILS (MODELS)

	AAF 11/3	AAF 11/7
Max temp (°C)	1100	1100
Heat-up time (mins)	155	155
Max continuous operating temp (°C)	1000	1000
Dimensions: Internal H x W x D (mm)	90 x 150 x 250	90 x 170 x 455
Dimensions: External H x W x D (mm)	585 x 375 x 485	650 x 430 x 740
Dimensions: External with door open H x W x D (mm)	800 x 375 x 485	905 x 430 x 740
Dimensions: Height to top chimney (mm)	780	1060
Volume (litres)	3	7
Max power (W)	2100	4000
Holding power (W)	1270	2624
Thermocouple type	K	K
Weight (kg)	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

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