

Afterburner Ashing Furnace ABF

General Information

The ABF Afterburner Ashing Furnace is particularly suitable for ashing larger samples or materials such as biomass, which are likely to generate substantial amounts of smoke.

The furnace comprises a large main combustion chamber equipped as standard with a two tier set of sample baskets. The exhaust from the main chamber is processed through a high temperature afterburner designed to further process fumes and smoke.



Standard features

- 800 °C maximum operating temperature - ashing chamber
- 28 Litre chamber volume
- Afterburner rated for up to 40 g carbon per ashing load
- Two tier baskets with loading tray and handle
- 3216P1 programmable controller
- Independent control of afterburner temperature up to 950 °C
- Silicon carbide shielded wire wound elements
- Supplied with 3-phase supply as standard

Options (specify these at time of order)

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

Technical Specifications

ABF 8/28

Max temp (°C)	800
Max continuous operating temp (°C)	700
Dimensions: Internal H x W x D (mm)	210 x 290 x 445
Dimensions: External H x W x D (mm)	980 x 600 x 750
Dimensions: Height to top chimney (mm)	1150
Configuration	Bench-top
Volume (litres)	28
Max power (W)	8000
Holding power (W)	3828
Thermocouple type	K

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Weight (kg) 120

Please note:

- Holding power is measured at 500 °C
- Heat up rate is measured to 100 °C below max, using an empty chamber