

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 passes through a high temperature afterburner designed to further process fumes and smoke.

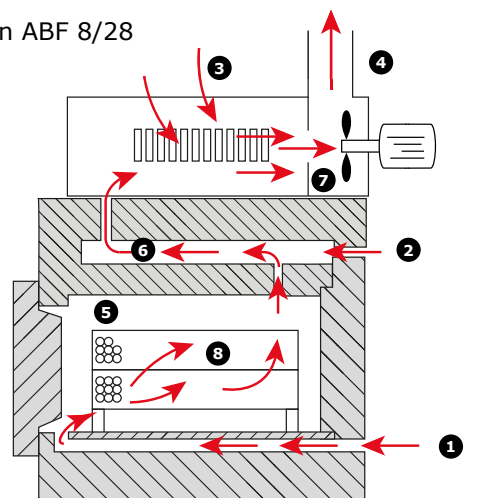
Standard features

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

ABF 8/28



Airflow in ABF 8/28



- 1) Air inlet – air is preheated before entering the chamber
- 2) Air inlet into afterburner to ensure complete combustion
- 3) Air inlet into plenum to cool the gases before entering the extraction fan
- 4) Chimney
- 5) Furnace chamber
- 6) Afterburner
- 7) Extraction fan
- 8) Two tier perforated basket system

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 (see pages 94 – 97)
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- Optional floor stand

Technical data

Model	Max. temp. [°C]	Max. continuous operating temperature [°C]	Dimensions: Internal H x W x D [mm]	Dimensions: External H x W x D [mm]	Dimensions: Height to top chimney [mm]	Volume [litres]	Max. power [W]	Holding power [W]	Thermocouple type	Weight [kg]
ABF 8/28	800	700	210 x 290 x 445	980 x 600 x 750 (Bench-top or optional stand)	1150	28	8000	3828	K	120



Please note:

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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.