

# Data Sheet

Model: BSF12/45A-SY

Laboratory Ashing Furnace



## INTRODUCTION

Sylab Scientific Pvt. Ltd., under technical collaboration with Elite Thermal Systems Ltd, UK, manufactures high quality furnaces in India.

Elite Thermal Systems, based in UK, is a 30-year-old furnace manufacturing company with strong brand recognition across the globe.

Sylab Scientific delivers high-quality solutions by leveraging technical expertise and components sourced from Elite Thermal Systems Ltd, UK.

The **BSF12/A-SY** Laboratory Ashing furnace design makes it ideal for treating heavier loads and for processing of material that could contaminate floor mounted heating elements through spillage. It is available in various capacities ranging from 4 liters to 45 liters in standard versions. Other chamber capacities/volumes are offered in custom-built models.

**BSF12/45A-SY** has a 45-liter capacity.

## SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

**Chamber dimensions (mm):** 300 x 300 x 500 (H x W x D)

An ashing feature which provides optimum combustion conditions within the chamber, and improved process fume removal from the chamber

Ideal for ashing foods, plastics, coal & other hydrocarbon materials

Protection of the elements from carbon build-up or corrosive atmosphere, inherent in the slab design of BSF furnaces

Vertically lifting door keeps the hot surface away from the user

Positive break door safety switch isolates heating elements from power supply when door is opened

ELITE PID controller offering 8 programs with 8 segments each

The heating elements are manufactured from high temperature resistance wire spirals embedded in a cast refractory slab, mounted on two sides of the chamber

A large metal chimney and hard ceramic base are fitted as standard

**External Dimensions (mm):** 890 x 805 x 765 (H x W x D)  
(Indicative)

**Net Wt.:** 148 kg

**Power Supply:** 230V– 1 Phase

**Energy rating:** 6.0 kW

## OPTIONS

Independent Over-temperature protection system

Multi segment, multi program storage controllers

Powered exhaust, Chimney with fan

Crucibles (Alumina/Fused Silica)

Lids (Required while cooling)

Sample Trays

Tray Loading Handles

4 Side heating elements are available for all round heating when heavier loads, or metal retorts are fitted



**BSF12/45A-SY**

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