

# Data Sheet

## Model: BSF12/4-SY

### Chamber Furnaces with Embedded Slab Heating Elements



#### 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-SY** chamber furnace design makes it ideal for treating heavier loads and the processing of material that could contaminate floor mounted heating elements through spillage and 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.

The **BSF12/4-SY** chamber furnace has a 4-liter capacity.

#### SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

**Chamber dimensions (mm):** 101 x 152 x 254 (H x W x D)

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 open

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 small ceramic chimney is fitted as standard

Replaceable ceramic hearth tile

**External Dimensions (mm):** 680 x 535 x 520 (H x W x D)  
(Indicative)

**Net Wt.:** 55 kg

**Supply / Power:** 230V– 1 Phase – 1.5 kW

#### OPTIONS

4 side heating elements is available for when heavier loads, or metal retorts are fitted

Over temperature protection controller

Multi segment, multi program storage controllers



**BSF12/4-SY**

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