

Data Sheet

Model: BIF14/102-SY

Light Industrial Chamber 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 **BIF14-SY** furnaces are designed for high temperature heat treatment applications for high temperature materials such as precious metals & technical ceramics. BIF14-SY offers chamber capacity ranging from 102 to 203 liters in standard versions. Other chamber capacities/volumes are offered in custom-built models.

BIF14/102-SY chamber furnace has a 102-liter capacity.

SPECIFICATIONS

Maximum Temperature: 1400°C

Maximum Continuous Temperature: 1350°C

| Chamber dimensions (mm): 350 x 450 x 650 (H x W x D)

| Silicon carbide elements which radiate heat direct onto the workpiece provides rapid heating and cooling and low running costs

| Generally low thermal mass insulation with brick front and hearth

| The furnace is fitted with an electrically operated upward opening door on a parallel link that keeps the hot face away from the operator

| Overtemperature protection system included as standard

| R-type thermocouple

| ELITE PID controller offering 8 programs with 8 segments each

| To ensure maximum operator safety, a positive break door switch isolates power from the heating elements whenever the door is opened

| A small ceramic chimney is fitted as standard



BIF14/102-SY

| **External Dimensions (mm):** 1800 x 950 x 1150 (H x W x D)
(Indicative)

| Supply / Power: 400V– 3 Phase – 30.0 kW

OPTIONS

| Multi segment, multi program storage Controllers

| Independent Over-temperature protection system

| Independent monitoring probes

| Calibration/furnace surveys

| Loading/unloading systems

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