

Data Sheet

Model: BRF18/5E

High Temperature Chamber Furnaces



INTRODUCTION

The **BRF18** high-temperature furnace features a chamber capacity that varies from 5 to 27 liters in its standard configurations. Additional chamber sizes and volumes are available in customized models.

The **BRF18/5E** high-temperature furnace has a capacity of 5 liters.

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°C

| Chamber dimensions (mm): 170 x 150 x 200 (H x W x D)

| Molybdenum tungsten disilicide heating elements mounted in the sides of the chamber radiates heat directly into the furnace

| Energy efficient, high quality, low thermal mass insulation

| An electrically operated insulated door that opens upwards and outwards keeps the hot face away from the operator and prevents impact damage to insulation while closing it

| Overtemperature protection system included as standard

| High end Microprocessor PID controller

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

| Type "B" thermocouple

| A small ceramic chimney is fitted as standard



BRF18/5E

| **External Dimensions (mm):** 635 x 900 x 785 (H x W x D)
(Indicative)

| **Net Wt.:** 170 kg

| **Supply / Power:** 230V– 1 Phase – 4.7 kW

PHASE CONTROL

Phase angle fired thyristor unit in conjunction with a low voltage secondary isolating transformer provides the heating elements with correct operating parameters.

OPTIONS

| Gas Inlet/outlet

| Multi segment, multi program storage controller

Elite Thermal Systems Ltd

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK

Tel: +44 (0)1858 469834 | E-mail: contact@elitefurnaces.com | Website: www.elitefurnaces.com