

## 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 **BRF18/5M** 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

A manually operated, insulated vertical lift door opens upward and outward, keeping the hot face away from the operator

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



**BRF18/5M**

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

**Net Wt.:** 170 kg

**Power Supply:** 230V– 1 Phase

**Energy rating:** 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

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