

# Data Sheet

## Model: BRF18/18E

### 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 **BRF18/18E** high-temperature furnace has a capacity of 18 liters.

## SPECIFICATIONS

**Maximum Temperature:** 1800°C

**Maximum Continuous Temperature:** 1750°C

| Chamber dimensions (mm): 220 x 200 x 400 (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



**BRF18/18E**

| **External Dimensions (mm):** 1600 x 880 x 800 (H x W x D)  
(Indicative)

| **Net Wt.:** 365 kg

| **Power Supply:** 230V– 1 Phase

| **Energy rating:** 11.6 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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