

Data Sheet

Model: BRF18/27E

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 **BRF18/27E** high-temperature furnace has a capacity of 27 liters.

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°C

Chamber dimensions (mm): 300 x 300 x 300 (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



BRF18/27E

External Dimensions (mm): 1600 x 1050 x 880 (H x W x D)
(Indicative)

Net Wt.: 494 kg

Supply / Power: 400V– 3 Phase – 15.0 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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