

## Rapid Heating Chamber Furnace - RWF

### General Information

The RWF rapid wire chamber furnaces are available in three chamber sizes with maximum operating temperatures of 1100 °C or 1200 °C.

The free radiating wire elements in combination with low thermal mass insulation are designed to provide rapid thermal response within the chamber.

### Standard features

- 1100 °C or 1200 °C maximum operating temperature
- 5, 13 or 23 litre chamber volumes
- Ambient to 1000 °C in as little as 10 minutes
- Rapid thermal response from free radiating coiled wire elements
- Low thermal mass insulation for high energy efficiency
- Up & away door keeps heated surface away from the user
- Carbolite Gero 301 controller, with single ramp to set-point & process timer
- Soft closing parallel action door keeps heated surface away from the user
- Hard wearing hearth



### Options (specify these at time of order)

- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications

### Technical Specifications

#### RWF 11/5

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	5
Heat-up time (mins)	10
Dimensions: Internal H x W x D (mm)	130 x 160 x 250
Dimensions: External H x W x D (mm)	585 x 375 x 325
Dimensions: External with door open H x W x D (mm)	800 x 375 x 325
Max power (W)	2750
Holding power (W)	680
Thermocouple type	K
Weight (kg)	28

## Rapid Heating Chamber Furnace - RWF

### RWF 11/13

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	13
Heat-up time (mins)	11
Dimensions: Internal H x W x D (mm)	195 x 210 x 325
Dimensions: External H x W x D (mm)	655 x 435 x 610
Dimensions: External with door open H x W x D (mm)	905 x 435 x 610
Max power (W)	5000
Holding power (W)	1200
Thermocouple type	K
Weight (kg)	45

### RWF 11/23

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	23
Heat-up time (mins)	13
Dimensions: Internal H x W x D (mm)	220 x 260 x 400
Dimensions: External H x W x D (mm)	705 x 505 x 675
Dimensions: External with door open H x W x D (mm)	990 x 505 x 675
Max power (W)	9100
Holding power (W)	1800
Thermocouple type	K
Weight (kg)	65

## Rapid Heating Chamber Furnace - RWF

### RWF 12/5

Max temp (°C)	1200
Max continuous operating temp (°C)	1100
Volume (litres)	5
Heat-up time (mins)	12
Dimensions: Internal H x W x D (mm)	130 x 160 x 250
Dimensions: External H x W x D (mm)	585 x 375 x 485
Dimensions: External with door open H x W x D (mm)	800 x 375 x 485
Max power (W)	2750
Holding power (W)	820
Thermocouple type	R
Weight (kg)	28

### RWF 12/13

Max temp (°C)	1200
Max continuous operating temp (°C)	1100
Volume (litres)	13
Heat-up time (mins)	13
Dimensions: Internal H x W x D (mm)	195 x 210 x 325
Dimensions: External H x W x D (mm)	655 x 435 x 610
Dimensions: External with door open H x W x D (mm)	905 x 435 x 610
Max power (W)	5000
Holding power (W)	1450
Thermocouple type	R
Weight (kg)	45

## Rapid Heating Chamber Furnace - RWF

### RWF 12/23

Max temp (°C)	1200
Max continuous operating temp (°C)	1100
Volume (litres)	23
Heat-up time (mins)	15
Dimensions: Internal H x W x D (mm)	220 x 260 x 400
Dimensions: External H x W x D (mm)	705 x 505 x 675
Dimensions: External with door open H x W x D (mm)	990 x 505 x 675
Max power (W)	9100
Holding power (W)	2100
Thermocouple type	R
Weight (kg)	65

### Please note:

- Heat up rate is measured to 100°C below max, using an empty chamber
- Holding power is measured at continuous operating temperature
- Maximum power and heat up times based on a 240V supply
- The uniform volume is smaller than the total chamber volume



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.