

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
- Soft closing, vertical lift 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