

## Universal Chamber Furnaces

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### RWF – Rapid Heating Chamber Furnaces

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 fast response & energy efficiency
- Up & away door keeps heated surface away from the user
- Carbolite 301 controller, with single ramp to setpoint & process timer
- Hard wearing hearth

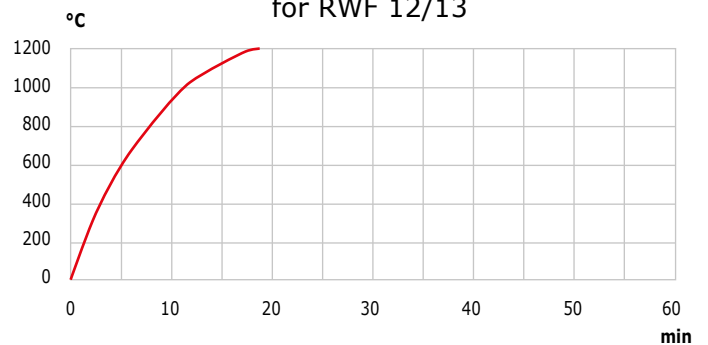


RWF 12/5

#### 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 (see pages 88-91)

Heat-up rate for RWF 12/13



#### Technical data

Model	Max temp (°C)	Heat-up time (mins)	Max continuous operating temp (°C)	Dimensions: Internal H x W x D (mm)	Dimensions: External H x W x D (mm)	Dimensions: External with door open H x W x D (mm)	Volume (litres)	Max power (W)	Holding power (W)	Thermocouple type	Weight (kg)
RWF 11/5	1100	10	1000	130 x 160 x 250	585 x 375 x 325	800 x 375 x 325	5	2750	680	K	28
RWF 11/13	1100	11	1000	195 x 210 x 325	655 x 435 x 610	905 x 435 x 610	13	5000	1200	K	45
RWF 11/23	1100	13	1000	220 x 260 x 400	705 x 505 x 675	990 x 505 x 675	23	9100	1800	K	65
RWF 12/5	1200	12	1100	130 x 160 x 250	585 x 375 x 485	800 x 375 x 485	5	2750	820	R	28
RWF 12/13	1200	13	1100	195 x 210 x 325	655 x 435 x 610	905 x 435 x 610	13	5000	1450	R	45
RWF 12/23	1200	15	1100	220 x 260 x 400	705 x 505 x 675	990 x 505 x 675	23	9100	2100	R	65

**i** Please note:

- Heat up time is measured to 100°C below max, using an empty chamber
- Holding power is measured at continuous operating temperature

- Maximum power and heat up time based on a 240 V supply
- The uniform volume is smaller than the total chamber volume



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