

## RWF Rapid Heating Chamber Furnaces

### Standard features

- ✓ 1100°C or 1200°C maximum operating temperature
- ✓ 5, 13 or 23 litre chamber volumes
- ✓ Ambient to 1100°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 set-point & process timer
- ✓ Hard wearing, dust free hearth
- ✓ Easy access to elements & controls simplifies maintenance & servicing



RWF 12/5/301

### Options

*specify these at time of order*

- ★ Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- ★ 2 phase supply at no extra cost above 13 litres
- ★ 8 or 20 segment programmer
- ★ RS232 communications
- ★ A variety of retorts & modifications is available for working with modified atmospheres

Free radiating wire-wound elements and highly efficient low thermal mass insulation are combined to provide a furnace for light to medium laboratory applications where rapid thermal response is important.

| Model     | Max temp (°C) | Heat-up time (mins) | Dimensions              |                                       | Volume (litres) | Max power (W)<br>Holding power (W) | Thermo-couple type | Weight (kg) | Power supply           |
|-----------|---------------|---------------------|-------------------------|---------------------------------------|-----------------|------------------------------------|--------------------|-------------|------------------------|
|           |               |                     | Internal H x W x D (mm) | External H x W x D (mm) H (door open) |                 |                                    |                    |             |                        |
| RWF 11/5  | 1100          | 10                  | 130 x 160 x 250         | 585 x 375 x 485 (800)                 | 5               | 2750<br>680                        | K                  | 28          | 230V single phase      |
| RWF 11/13 | 1100          | 11                  | 195 x 210 x 325         | 655 x 435 x 610 (905)                 | 13              | 5000<br>1200                       | K                  | 45          | 230V single or 2 phase |
| RWF 11/23 | 1100          | 13                  | 220 x 260 x 400         | 705 x 505 x 675 (990)                 | 23              | 9100<br>1800                       | K                  | 65          | Universal              |
| RWF 12/5  | 1200          | 12                  | 130 x 160 x 250         | 585 x 375 x 485 (800)                 | 5               | 2750<br>820                        | R                  | 28          | 230V single phase      |
| RWF 12/13 | 1200          | 13                  | 195 x 210 x 325         | 655 x 435 x 610 (905)                 | 13              | 5000<br>1450                       | R                  | 45          | 230V single or 2 phase |
| RWF 12/23 | 1200          | 15                  | 220 x 260 x 400         | 705 x 505 x 675 (990)                 | 23              | 9100<br>2100                       | R                  | 65          | Universal              |

'Universal' models are easily altered between single phase (220V), 3 phase+neutral (e.g. 380/220V) and delta (e.g. 220V) electrical supplies



Continuous operating temperature is 100°C below maximum temperature.  
Heat up rate is measured to 100°C below max, using an empty chamber.  
Holding power is measure at continuous operating temperature.