



Electric Furnace Technology

Heat treatment furnaces

A complete range of high quality chamber furnaces for heat treatment and light industrial applications. A wide choice of chamber volumes are available and a choice of optional extras can be incorporated to meet most functions.

- Robust construction
- High quality resistance wire elements mounted horizontally in the sides and the roof chamber. This open spiral element design provides excellent temperature uniformity throughout the work chamber.
- Door opens vertically to ensure the hot plug is away from the operator at all times.
- Door safety switch turns off power to the elements whenever the door is opened.
- Choice of digital controller (See separate sheet).
- Single phase power source.
- A blend of high grade low thermal mass insulation, hard wearing refractory brick and double skin case design, combine to produce a safe cool outer case.
- Quench tank and table Stainless Steel liners and Retorts available on request
- Powder coating finish
- Typical users: Tool rooms, Engineering Workshops, General Laboratory, Education Authorities, Research Institutes



| Model | | TRF | | |
|--|---|---|--------|--------|
| | | 1 | 2 | 3 |
| Chamber Size (m/m) | H | 140 | 200 | 300 |
| | W | 180 | 230 | 300 |
| | D | 300 | 275 | 450 |
| External Size (m/m) | H | 625 | 695 | 820 |
| | W | 560 | 604 | 752 |
| | D | 490 | 565 | 640 |
| Volume (Litres) | | 7.5 | 17.0 | 40.5 |
| Maximum temperature | | 1200°C | 1200°C | 1200°C |
| Maximum continuous working temperature | | 1150°C | 1150°C | 1150°C |
| Temperature sensor | | Type 'R' | | |
| Max power rating (kW) | | 3.0 | 5.0 | 7.0 |
| Power control | | Solid State Relay | | |
| Over Temp Protection | | Thermal Fuse Standard | | |
| Insulation Material | | High Quality Low Thermal Mass Materials | | |
| Chimney | | Optional Extra | | |

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