High Performance Technology

Tube Furnaces
Wide Temperature Ranges

- Special large bore hinged, Split Tube Furnace with air cylinders to assist in opening the furnace halves.
- Thermcraft laboratory scale Rotary Tube Furnace complete with DC variable speed control and temperature control system.
- Hinged Split Tube Furnace with 3" I.D. x 24" long heated chamber. Designed for three zone operation at temperatures to 1200°C.
- Thermocouple Calibration Furnace. Designed to accept 5 thermocouples and digitally indicate the reading.

YOUR SOURCE FOR HIGH TEMPERATURE PERFORMANCE
Split Tube Furnaces
Thermcraft Hinged Split Tube Furnaces are available in two standard series, single and three zone. These series of furnaces uses ceramic half round heating elements for temperatures up to 1204°C (2200°F). The 1010°C (1850°F) and 1204°C (2200°F) series furnaces can mounted either horizontally or vertically. Designed to give uniform temperatures around the full 360° of the heated chamber. Furnaces feature insulating vestibules at the ends of the heated chamber and graded layers of insulation for maximum thermal efficiency.

Solid Tube Furnaces
Thermcraft Solid Tube Furnaces are an economical means of providing for your heating requirements. Furnaces are available in a variety of sizes and can be supplied for either vertical or horizontal use. These furnaces are built with rugged ceramic heating elements. They are available in two temperature ranges with either one or multi-zone construction. Light weight ceramic fiber insulation allows for rapid heat up, recovery, and cool down. Insulating vestibules allow for maximum temperature uniformity. Furnaces are built to your specific requirements. Temperature control systems are available.
HIGH TEMPERATURE TUBE FURNACES

Thermcraft high temperature tube furnaces are for applications in which temperatures reach up to 1530°C (2800°F). These furnaces are available in either single or three zone, solid or hinged split-tube design. This series of furnaces uses silicon carbide heating elements mounted above and below the heated chamber. Graded layers of insulation and insulating vestibules are used to provide maximum temperature uniformity and thermal efficiency. The durability built into these units provide excellent performance and long lasting service. Units are built to your specifications in a variety of sizes and with state-of-the-art electronic temperature control packages available.

TUBE FURNACE OPTIONS

- VIEWPORTS- Quartz viewing windows can be mounted into the furnace shell.

- PROCESS TUBES- Alloy, mullite or high purity alumina process tubes are available for any furnace. End seals for maintaining atmosphere can be also be built into your system. Process tubes are recommended for applications involving toxic, flammable or corrosive gases.

- VACUUM OR ATMOSPHERE RETORTS- Flanged alloy retorts can be provided to fit most furnaces which operate at 1100°C (2040°F) or lower. Retorts allow for atmosphere or gas tight operation.

1800°C (3272°F)

Solid and Split Tube Furnaces, with both horizontal and vertical orientation, are available for special applications up to 1800°C (3272°F). Uses Molybdenum Disilicide heating elements in an air atmosphere. Contact our sales department for additional information.

Thermcraft Incorporated has a wide range of standard products which includes: ceramic heaters, vacuum formed ceramic fiber heaters, diffusion heaters, control systems, as well as industrial ovens and furnaces. A standard line of split tube furnaces, solid tube furnaces, and controls are available for shipment in (10) working days. Thermcraft is also a recognized leader in CUSTOM heat-treating, industrial, and laboratory ovens and furnaces.

Call your local representative or our staff of trained sales engineers at the Winston-Salem plant with any of your heating problems.
Other Thermcraft products:

Box Furnaces
Ceramic Heating Elements
Ceramic Fiber Insulation & Insulation Packages
Control Systems
Custom Furnaces
Custom Ovens
Diffusion Heating Elements
Fibercraft® Vacuum Formed Heating Elements
LAB-TEMP
Marshall™ Furnaces
Thermal Knife®
Thermocouples
Standard Tube Furnaces (10 day shipment)
Vestibule Blocks

Accepted for your convenience

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