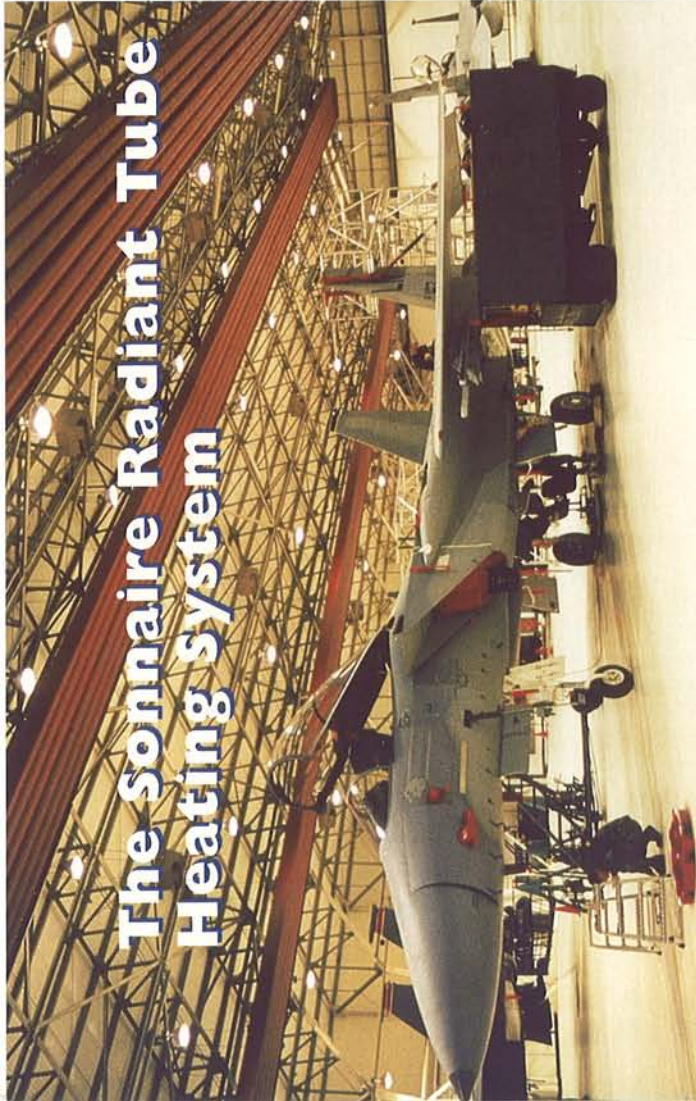


— SONNAIRE —
RADIANT TUBE HEATING
— SYSTEM —

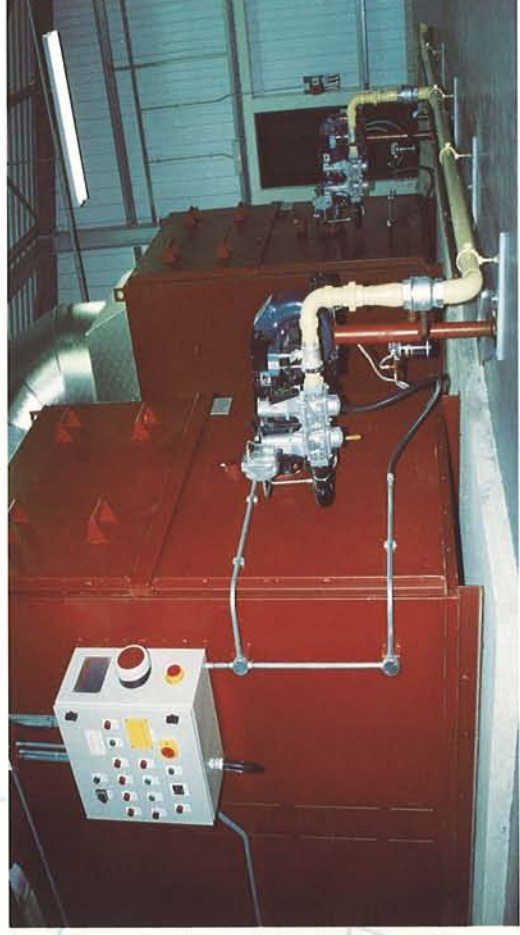


The
SONNING HEATING
Company

The Sonnaire Radiant Tube Heating System



High Performance, Low Maintenance



This is a high-level radiant tube heating system using hot air as the heating medium, rather than hot water, steam or the combustion products from a naked flame. The System is particularly suitable for heating large commercial buildings, factories, warehouses, aircraft hangars and railway maintenance depots.

With Sonnaire Radiant Tube Heating, unlike some systems, there are no moving parts to maintain at high level. Routine maintenance of other systems causes disruption to personnel and high level access to the equipment may be impeded by congested and restricted floors.

The mean surface temperature of the Sonnaire radiant heating system is only half that of direct fire gas or U-tube loop systems. This is of particular benefit to personnel who work at high level, for example on the rotors of Chinook helicopters or the rotary aerials of AWACS aircraft.

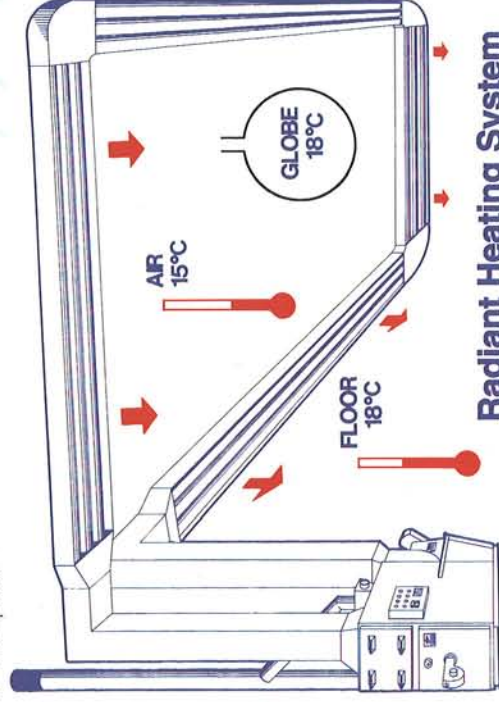
High temperature air circulates around a closed circuit of spiral tube loops in configurations of 2-6 tubes, providing a powerful source of radiation to the room or space being warmed and ensuring a totally safe and equable environment.

No air is discharged into the space – it is returned to the space by the heater, then reheated to a predetermined supply temperature and recirculated around the system by a high temperature centrifugal fan.

Since the heat source is completely independent of the recirculating air stream, any gas or liquid fuel can be burnt within the

Sonnaire heater combustion chamber: The heaters will operate equally as effectively on a wide variety of fuels, allowing the user to shop around for Natural Gas/LPG/Gas Oil. If required, Sonnaire heaters can be fitted with dual fuel burners giving the user the option to use either gas or oil.

Sonnaire heaters are fitted as standard (unless otherwise specified) with NuWay burners. In our considerable experience we have found this range of burners to be efficient and reliable, with the added advantage of spares being readily available.



Radiant Heating System



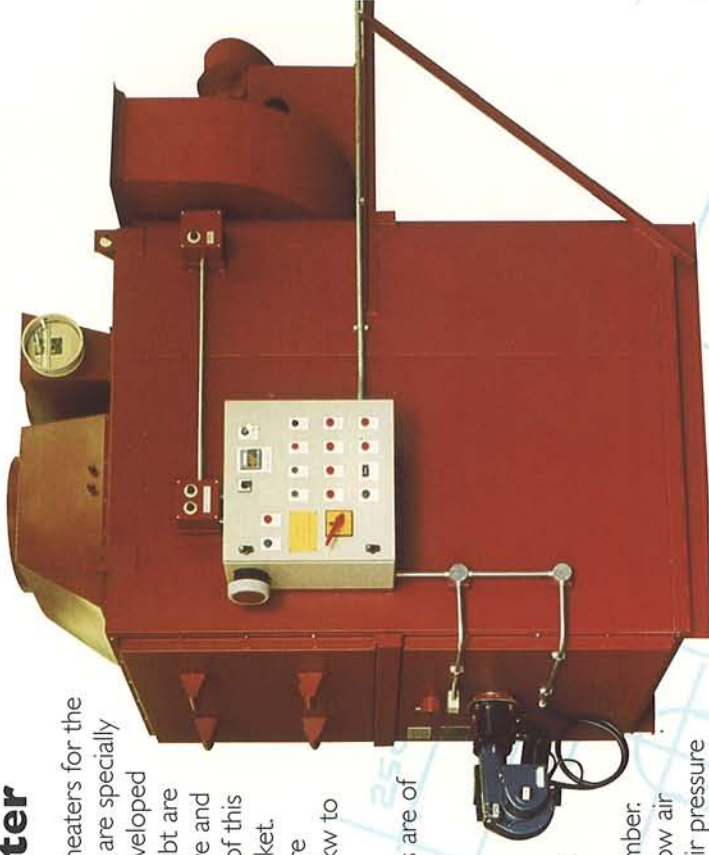
The Sonnaire Indirect High Temperature Air Heater

The indirect air heaters for the Sonnaire system are specially designed and developed and without doubt are the most effective and reliable heaters of this type on the market. Heater ratings are offered from 50kw to 500kw.

Sonnaire heaters are of vertical configuration facilitating the use of a contra-flow heat exchanger and combustion chamber. This allows for low air resistance, low air pressure and the optimum in heat transfer efficiency.

The combustion gases are independent of the air stream, therefore within the space being heated, only clean, uncontaminated air is re-circulated around the radiant tubes.

To complement our range of indirect fired heaters, we manufacture a range of systems incorporating a direct fired heater. This system offers many of the advantages of our indirect system and may be an alternative, depending on site conditions.



Servicing and Maintenance

The heaters are usually mounted at floor level and have been specifically designed for ease of maintenance. Servicing the heaters involves no more than that required for the average warm air heater.

Sonning Heating are still servicing and maintaining high temperature radiant heating systems that were installed in the mid-sixties. Many of these systems have been totally refurbished without disruption to the client and at a fraction of the cost of a new system.

Ductwork

The spiral wound ductwork which form the radiant tube assemblies is constructed from light weight galvanised steel, and installed at high level. The ductwork system imposes a very low weight burden on the roof trusses, and therefore has a very considerable advantage over water filled pipework heating systems.



Field Service

In addition to design and installation services, we carry out a nation-wide site service. Our field engineers are fully trained at our workshop and are totally experienced in a wide variety of services, some of which are listed below

- Site surveys and reports to ascertain the condition of heater units and ductwork systems.
- Complete refurbishment and repairs to ductwork.
- Installation of new heaters which are entirely compatible with the existing ductwork system
- Complete site repair service.
- Supply only, or supply and fit heater components, including proprietary parts such as heat exchangers and combustion chamber.
- Fan repairs. Burner overhauls. Electrical control panels.
- General service and maintenance.

Consider the collective advantages of the Sonnaire System:

- Occupant comfort
- Reasonable capital outlay
- Economy in running cost
- Ease of maintenance
- Fire Safety
- Choice of fuel
- Stored product condition

Company Profile

The Sonning Heating Company Ltd was established in 1972 primarily to design develop and manufacture a specialised range of high temperature heaters which we supplied exclusively to a company known as Radiant Tube Systems Ltd.

Radiant Tube Systems Ltd undertook the complete marketing, design and installation of high temperature radiant heating systems. Sonning Heating have acquired the intellectual property copyrights and design of the aforementioned company, together with the expertise of RTS former project engineers. We are able to provide a complete in house design, manufacture and installation facility.

Sonning Heating has been involved in many major projects, providing heating systems in aircraft hangars, sports halls, railway maintenance depots, boatyards and factories throughout the United Kingdom.

With our many years of skill and experience we consider ourselves leaders in the field, providing a tried and tested heater, an extensive knowledge of system design and a complete installation package.



The
SONNING HEATING
Company

Incorporating



and

Radiant Tube Systems



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