



Global expertise + World class products = Customer satisfaction TM

Controlled Heating Solutions to enhance processes, infrastructure, efficiency and life.



Process Heating Solutions
Trace Heating
Process Heaters
Immersion Heaters
Air and Space Heaters
Control and monitoring
Band, Strip and Tubular Heaters
Instrument Heating



Commercial and Construction
Pipe Freeze Protection
Hot Water Maintenance
External Ice and Snow Protection
Roof and Gutter Heating
Weather Monitoring and Control
Floor Heating



Managed Efficiency
Radiant Heaters
Circulation Heaters
Cast Heaters
Flexible Heaters
Fluid Delivery Heaters
High Temperature Heaters
PID control and Monitoring



Speciality Services
Cold Weather Solutions
Engineering Services
Site Services
Technical Resources
Training
Maintenance Audits
System Warranty

Self Regulating Cables

Circuit Lengths: to 200m
Temperatures to : 250C
Heater outputs to : Zone 1/11
T ratings T6 – T3



Zoned Constant Power Cables

Circuit Lengths: to 250m
Temperatures to : 425C
Heater outputs to : Zone 1/11
T ratings T6 – T5



Series Wire Heating Cables

Circuit Lengths: to 30+ Km
Temperatures to : 600C
Heater outputs to : Zone 1/11
T ratings T6 – T5



Temperature Control & Monitoring

Air Sensing / Surfacing sensing
30amp 240vac



Installation Accessories

Heating cable accessories including caution labels, fiberglass & aluminium tape, junction/marshalling boxes, MI cable accessories, pipe straps and tank mounting brackets.



Process Heaters

Circulation heaters provide a ready-made means to install electric heating with a minimal amount of time and labour.

Immersion Heaters

Flanged immersion heaters are easy to install and maintain. Designed for heating liquids and gases in tanks and pressure vessels.

Air and Space Heaters

Air and Space heaters are easily adapted to many non-pressurized air-heating systems.

Band, Strip and Tubular Heaters

These heaters are capable of both high temperatures and high watt densities.

PID Control

Industry-leading PID controller that allows optimal performance utilising simple control and menu functionality without complex features



Process Heating Solutions

- Trace Heating
- Process Heaters
- Immersion Heaters
- Air and Space Heaters
- Band, Strip and Tubular Heaters
- PID Control



Pipe and Tank Heating to 600C .
From complex piping to multi km transfer lines

Process Heating to 1100C . From miniature heaters to multi MW process heaters

Self Regulating Cables Pipe Freeze Protection

We provide a simple cost-effective solution to prevent frozen pipes in domestic and commercial buildings. Composed of a pre-terminated self-regulating heating cable fitted with an integral pipe thermostat.



Constant Power Cables Floor Heating

Underfloor Heating Systems are a perfect way to create warm comfort within Living areas such as Bathrooms, Kitchens, and Conservatories. This heating system is placed close to the floor surface and due to the even heat distribution upside, you are getting the optimum heating climate in any room

Self Regulating Cables Hot Water Maintenance

When installing hot water temperature maintenance trace heating, under thermal insulation, the hot water in the pipework can be maintained above its minimum required temperature (usually +55°C or +65°C) in a predetermined minimum ambient temperature (usually +18°C)



Floor Heating Controls

Our range of thermostats for electric and water underfloor heating systems utilise advanced technology to improve your home's energy-efficiency.

Self Regulating Cables External Roof & Gutter Protection

Self-regulating heating cable is used for freeze protection of roofs, gutters and pipes. The power output of self-regulating heating cable adjusts automatically in response to the ambient temperature. Due to its self-regulating characteristics, it will not overheat even when the cable is overlapped. This guarantees maximum safety and reliability.



Complete range of Self-Regulating heaters.

Standard range from 11W to 300W per metre
High quality junction boxes and thermostats for Hazardous and Non-Hazardous areas
Large range of pre-wired and terminated lengths and special made to order lengths available
Specialist in-pipe cables suitable for use in pressured water pipes

Constant Power Cables External Ice and Snow Protection

Snow and ice clearance heating for ramps, wheel tracks, car parks, stairs and pathways



Pre Terminated Freeze Protection

We provide a simple cost-effective solution to prevent frozen pipes in domestic and commercial buildings. Composed of a pre-terminated self-regulating heating cable fitted with an integral pipe thermostat.

The integrated thermostat monitors pipe temperature and energises the system when there is a risk of freezing. Once a safe pipe temperature has been reached the cable is de-energised to save energy. Also available for De-icing System for Roofs & Gutters

Pre Spaced Power Mats

Underfloor Heating Systems are a perfect way to create warm comfort within Living areas such as Bathrooms, Kitchens, and Conservatories. This heating system is placed close to the floor surface and due to the even heat distribution upside, you are getting the optimum heating climate in any room



Weather Monitoring and Control

Temperature and moisture sensors ensure economical temperature control of external ice and snow melting systems.



Commercial and Construction

- Pipe Freeze Protection
- Hot Water Maintenance
- External Ice and Snow Protection
- Roof and Gutter Heating
- Weather Monitoring and Control
- Floor Heating



Applying **Radiant Panel** heaters can be complicated. However, our engineering staff has the level of training and expertise required to meet most application requirements. We provide a high degree of technical support such as calculating the watt density and temperature requirements and recommending system components such as sensors and controllers.



Cast Heaters



Fluid Path has No Contact with Heating Elements Heated Media is Isolated in Seamless 316 Stainless Steel Tubes Allows for Safe Heating of Explosive Gases & Flammable Liquids Excellent Performance in High-Pressure Applications Suitable for Use with Sterile and Zero Contaminant Processes Compatible with Standard Controls (PID, PLC, Multi-Loop, etc.) Small Size Enables Easy Integration into Larger Machines Self-Draining Flow-Tubes, and Long-Life Heating Elements

Managed Temperature Solutions

- Radiant Heaters
- Circulation Heaters
- Cast Heaters
- Flexible Heaters
- Fluid Delivery Heaters
- High Temperature Heaters
- Control Systems

Circulation Heaters

Compact heating systems for fluids and gases. These heaters are ideal for applications such as purified and inert gases, supercritical fluids and liquids like de-ionized water for use in semiconductor and electronics industries as well as for general liquid and gas heating applications.



WATCONNECT panels are flexible and scalable; there are thousands of configurable, pre-engineered panel solutions available.



Immersion Heaters



Designed primarily for direct immersion in liquids such as water, oils, solvents and process solutions, molten materials as well as air and gases. By generating all the heat within the liquid or process, these heaters are virtually 100 percent energy efficient. These versatile heaters can also be formed and shaped into various geometries for radiant heating and contact surface heating applications. UL® and CSA component recognized elements are available.

Consulting

The demands placed on heat tracing systems vary based on the design parameters specific to each application. To meet these needs, HTUK provides the widest variety of electric heating cables and control systems in the world.

Project Design

HTUK provides comprehensive planning, detailed design engineering, thorough project supervision, complete commissioning, and on-going maintenance for the life of the project.

Assembly

HTUK provides advanced heating and thermal control solutions. Together with our partners we provide in-house design services that can provide jacketing solutions to meet the exact requirements of a project. A wide range of materials are available depending on the specification of a project including the temperatures of equipment and conditions of surroundings. Other factors can also be taken into account to ensure we provide the most cost effective, energy efficient product with the most extensive life span.

Technical Support

Technical Library

We believe in openly sharing information

Even if I try to reproduce, ingredient by ingredient, my grandmother's recipe for apple pie, I never get a pie as good as hers. The same applies to information. Data is of little use without the know-how, experience and thousands of imperceptible details.

Hopefully, the information we share today will allow others to create things from which all of us will benefit tomorrow.

We offer both the technical information and the years of experience to ensure complete satisfaction.

Installation and Maintenance

A successfully completed design does not guarantee a successfully completed heat trace system or indeed the long-term operation of the system. Even the most well-designed heat trace systems can end up with problems if not installed correctly and regularly maintained.

It is important to ensure the correct installation of heat trace material, thermal insulation, and power distribution equipment. Additionally, training of operators and on-site maintenance staff that may be required to operate the system long term in optimum conditions.

Turn Key services

HTUK provide turnkey solutions from end-to-end for our customers. Eliminating the need for multiple contractors.

Maintenance and Repair

We provide technical, mechanical and electrical support maintenance for all our product lines.



Speciality Services

- Cold Weather Solutions
- Engineering Services
- Site Services
- Technical Resources
- Training
- Maintenance Audits
- System Warranty



IBC, Gas Bottle Heated, Instrument Insulation Jackets, assembled in our factory in the UK combine Specialist Thermal Fabrics, our Self-Regulating Heater Cable and our Technical Know-How to give you the solution to your insulation needs, whether you require Frost Protection or Temperature Maintenance.

We Believe there is Strength in Partnership



We design, supply and install heaters, temperature sensors, controllers and supporting software as well as manufactured in house assemblies – all of the components of a thermal system.

A single point thermal solutions provider.





Address:

HTUK Ltd:

Alexandra Building, Wearfield,
Sunderland, SR5 2TA

Contact Us:

Phone : 0044 (0191) 5166636 Fax : (0191) 5166686
Email : enquiries@ht-uk.com / sales@ht-uk.com
Web : www.ht-uk.com

Global expertise + World class products = Customer satisfaction TM

