

CLIMASTAR^{UK}

Stylish | Modern | Unique

Discover a more Efficient Heating System

Silicon Heat Storage Technology



www.climastar.co.uk

CLIMASTAR UK

AND THE ENVIRONMENT

How we can reduce our Carbon Footprint

More and more electric power is being generated from renewable resources, with more homes & organisations investing in generating their own electricity.

The UK has a target of being Carbon Neutral by 2050.

In order to achieve this milestone, fossil fuels are being phased out in favour of more sustainable energy sources like green electricity.

We all understand that we have used gas and oil to heat our homes. We can no longer continue to use these fuels. We need to be greener. Electric heating has been around for a long time, however, the way we produced electricity was also damaging to the planet. With renewable electricity now forecast to provide over 50% of our demand by 2030 we know that the fuel of the future is electricity.

CLIMASTAR has been heating homes all over the world for the last 25 years. Climastar are pioneers in the creation of modern and efficient heating. Their purpose was to produce the best possible quality and advanced electrical heating systems that would reduce bills by quickly heating rooms and only using energy when necessary.

With a lifetime guarantee on our MAGMA silicon batteries and a 10-year guarantee on our Harmony heaters, the Harmony range future proof your heating requirements.

Our ambition to deliver the best possible quality heating systems available has never compromised our commitment to our Environmental goals. **CLIMASTAR** will continue to work and manufacture all of our products in accordance with ISO 14001, the appropriate certification under the Environmental Management System which guarantees environmental care and respect.

Not only do we wish to minimize any negative impact on our ecosystem, as already stated, we will continuously strive to improve and produce increasingly advanced and efficient products which will minimise energy consumption.

The HARMONY range does not produce gases or fumes, nor does it directly emit any pollutants into the environment. They can be used with renewable energy sources coming from sun or wind. We all need to join together to reduce our carbon footprint. Together we can create a sustainable planet for future generations.

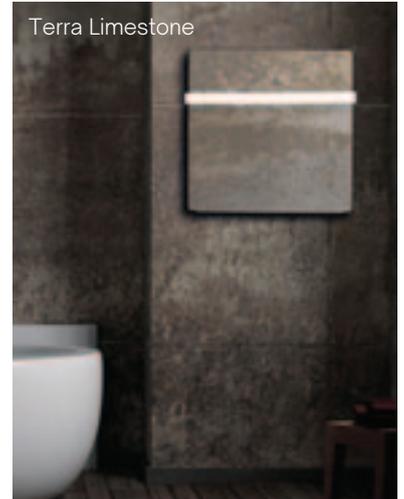
harmony

Welcome to the Harmony Brand by Climastar UK

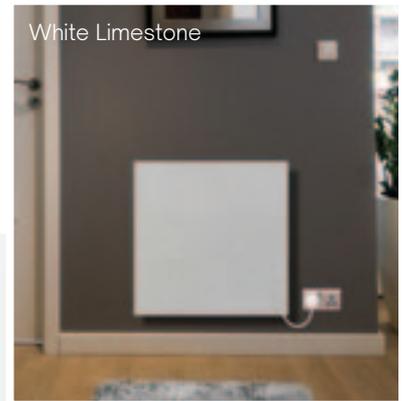
Welcome to a new and more efficient way to heat your home. **CLIMASTAR** has been heating homes for almost 25 years, pioneering the creation of modern and efficient heating systems. We believe that the Harmony Range is the most efficient and technically advanced electrical heating system available anywhere in the world today. We should know as we install electrical heating systems in 27 different countries across 4 continents. The Climastar range has won many awards for heating performance and technical excellence. We continue to build heating systems that ensure we put you in control of your energy consumption using the most advanced technologies to reduce the amount of energy you require to heat your home.

The Harmony Range is unique as it is a dynamic heat radiator. It is the only heating system to use **TRIAC** controlled technology to automatically control temperature and energy consumption. You stay in control of your bills and stay warm in the process. Our **MAGMA** stone silicon batteries carry a lifetime guarantee, and our heaters carry a 10-year fully comprehensive parts and labour warranty, plus a 2-year, no fuss, electronics warranty on the wireless thermostat.

Unlike gas or oil boilers, the **HARMONY** range does not produce gases or fumes and emits zero pollutants in to the environment. The **HARMONY** range can be used with renewable energy sources such as sun or wind. Please join us and together we can reduce our carbon footprint and reduce the impact of global warming



Terra Limestone



White Limestone



Black Natura

harmony

Manufacturing

The Harmony range is the most advanced and feature rich system ever manufactured by Climastar. It is 21st Century heating. Manufactured using patented Silicon Heat Storage technology, the Harmony range means energy saving and heat on demand all wrapped up in a beautiful stone finish, that allows you to replace those traditional unsightly metal radiators. Not only does the Harmony range look far superior, but independent testing has proven that they can work better than other forms of electric heating.

When you purchase a Harmony heating system, we believe that a product manufactured in accordance with the highest level of quality, deserves to be complimented by excellent customer service. The same level of dedication, commitment and quality presented in our products is also reflected in the way we treat our customers.

CLIMASTAR is totally committed to manufacture all of our products in accordance with the ISO 14001 standard. This Environmental Management System guarantees environmental care and the upmost commitment to producing green products and reducing pollutants in both the manufacture and use of our heating systems. Not only do we wish to minimize the negative impact on our ecosystem, we also continuously strive to improve and produce increasingly advanced and efficient products with minimum energy consumption



Terra Limestone



harmony

Why you should choose Harmony

Climastar are the world's leading designer of Stone crafted heating systems and have been manufacturing beautiful products for almost 25 years. Climastar is a worldwide brand sold in 27 countries, and now the Harmony range by Climastar is available exclusively in the UK.

The introduction of the Harmony Brand gives you a beautiful alternative to the way we have traditionally heated our homes. Let's face it, off white, mild steel radiators hanging from our wall are not the most attractive of objects, but the Harmony range by Climastar not only look beautiful in the home but we believe they will keep your home warmer and more comfortable than any heating system you have used previously whilst helping you retain control of your heating costs.

When you invest in the Harmony heating system, quality comes as standard every time. Harmony heaters use a combination of convected and radiant heat to warm your home faster and maintain the set temperature almost perfectly no matter what the British weather throws at you. The Harmony range is built using two Magma Stone Heat Batteries in every heater, ensuring every kilowatt of energy is captured and released into the room as required. Climastar Dual Core, combined with wireless and Wi-Fi technology, allows the user to reduce energy consumption and view energy usage in real time. With Climastar there are no big energy bill surprises at the end of each month. Climastar Dual Core technology, combined with real time energy monitoring puts you totally in control of your costs and your comfort.







Dark Teide



Intelligent Heating

The Harmony heating system is an intelligent system that adapts to your exact heating needs. Every 3 seconds, the thermostat send out an electrical pulse to monitor the temperature and the heat loss in your room. It then uses an algorithm (HCC)* to predict and calculate the exact energy requirement to maintain the room at the selected temperature. That means we reduce the amount of energy you require to heat your home, saving energy, reducing your carbon footprint and saving you money. **That's intelligent!**



25 YEARS EXPERIENCE

ClimaStar has over 20 Years of manufacturing experience, ensuring premium quality and results.



MAGMA CORE

Magma Stone, under normal performance, will never deteriorate, crack or lose its ability to retain energy and heat. Magma Stone carries a lifetime warranty.



FOREVER WARM GUARANTEE

If our heater fails to keep your room at the selected temperature, we will remove it and refund you the entire purchase price of that heater.



OPEN WINDOW TECHNOLOGY

Our intelligent solutions react to temperature changes and know when to switch on and when to switch off, reducing your energy usage and saving you money



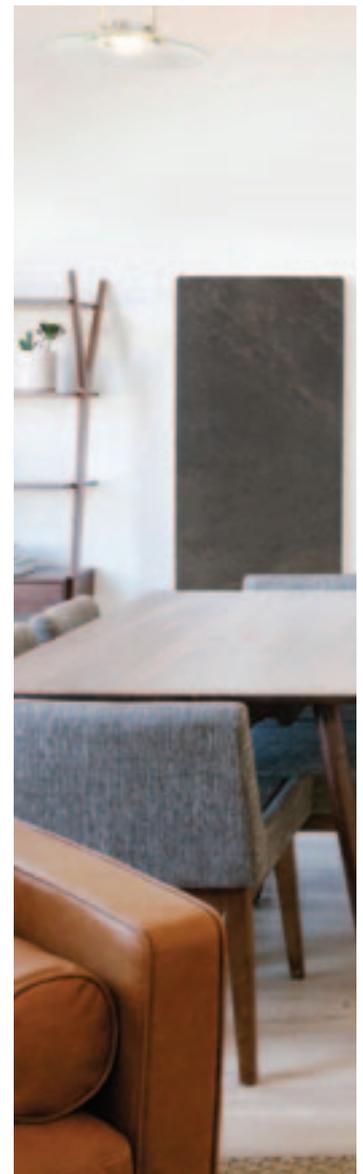
WI-FI ENABLED

If you wish to control your heating from outside your home, then our Wi-Fi enabled heaters, allow you to have full control over your heating system from absolutely anywhere in the world. Just use your smartphone. Getting home later than expected? turn off or turn down your heating. Why heat an empty property? If getting home earlier than expected, you never need to arrive home to a cold property.



HIGH PRECISION THERMOSTAT

Every 1°C in temperature uses around 8% more energy, therefore a high precision Thermostat is vital to reducing energy consumption. Our thermostats are accurate to +/-0.05°C, the most accurate thermostat in the industry.

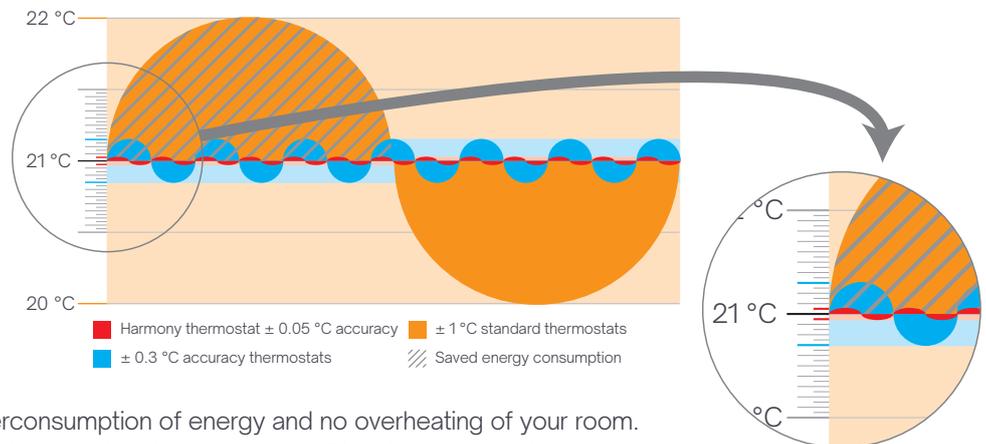


Harmony High Precision Thermostat

For every 1°C increase in temperature, all heating system will use approximately 8% more energy, therefore having a high Precision Thermostat is vital to reducing consumption, reducing costs and keeping you warm. Most electric radiators, especially German designed clay core radiators use a thermostat that is only accurate to +/- 1°C. This means that although the thermostat shows a temperature reading, the heater may not respond to the thermostat as accurately as it needs to in order to prevent overconsumption of energy, and that increases your running costs. An inaccurate thermostat may mean an increase of over 16% in energy usage, and no one wants that, especially as energy costs are increasing.



As you can see from the diagram on the right, the Harmony range has a much more accurate temperature range, therefore energy consumption is reduced.



Harmony range of heaters have a thermostat accuracy to +/- 0.05°C, which is significantly more accurate than the any other

thermostat in the industry so no overconsumption of energy and no overheating of your room.

This is because the Harmony heater is controlled by a computer. Pinpoint accuracy is guaranteed. The control panel is wireless so there is no hard wiring required, therefore it can be positioned anywhere within the heating zone. The Harmony system, unlike other electrical heaters with inaccurate thermostats will maintain the selected temperature regardless of external temperature variances, therefore the user is always warm and comfortable regardless of the weather.

Advanced Technology



3 LEVEL TEMP SELECTOR

Take total control over your heating with 3 easy selections. Comfort, Eco and Manual. Our 3 level temp selectors offer the user the ability to set up their heating system quickly and easily. Control your heating manually or via your mobile device or tablet, ensuring you're using the correct amount of energy all throughout the year.



REAL TIME MONITORING

Climastar Dual Core technology, combined with Wi-fi and wireless, allows the user to reduce energy consumption and view energy usage in real time. With Climastar there are no big energy bill surprises at the end of each month. Climastar TRIAC energy reducing technology, combined with real time energy monitoring puts you totally in control of your costs and your comfort.



GOOGLE HOME & ALEXA

Our full product range will soon include state of the art integration with the latest smart-home technology, allowing you to control your heating through voice activation. If you want to use Google Assistant and/or Alexa to control your smart heating, you will be able to pair your choice of apps with our user friendly and easy to integrate technology.



HEATING CRUISE CONTROL (HACC)

Never spend needless amounts of energy or money. HCC means your system will adjust its own output to meet the necessary temperature and keep the room temperature constant, so you stay warm.



OPEN WINDOW TECHNOLOGY

The Harmony system is an intelligent heating system that not only learns about how you use your heating on a day to day basis, but it optimises how it operates when circumstances change. If a window in the room is opened whilst you have your Harmony heating system working, the Harmony heater will go into standby mode because you can't heat a room with an open window. When the door or window is then closed and the room temperature stabilises again, the Harmony heating system will come back to life, and start to reheat the room. No wasted energy.

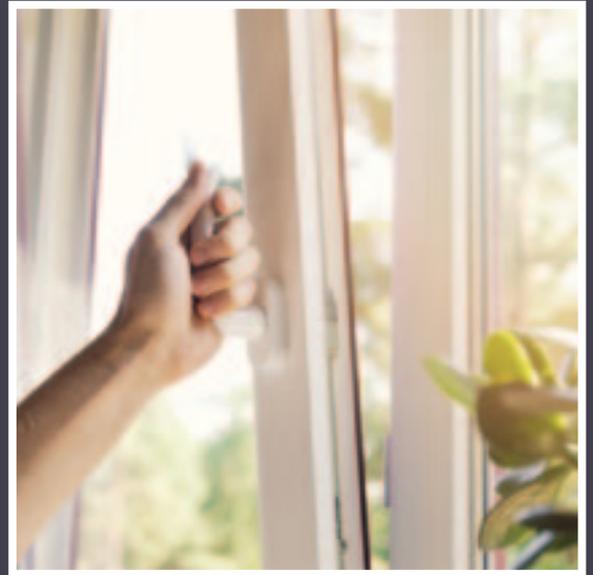
CLIMASTARUK

Open Window Technology

The Harmony system is an intelligent heating system that not only learns about how you use your heating on a day to day basis, but it optimises how it operates when circumstances change.

If a window or a door in the home is opened whilst you have your Harmony heating system working, the Harmony heater will go into standby mode.

The Harmony heater is programmed to understand the difference between a normal temperature change and a sudden temperature drop of 3°C or more. When the door or window is then closed and the room temperature stabilises again, the Harmony heating system will come back to life, and start to reheat the room.

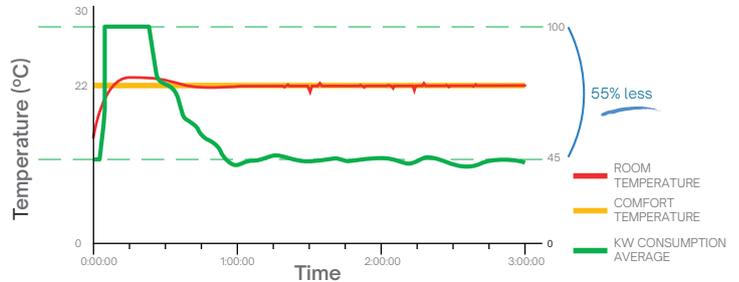


Heating Control System

A further technical advantage, which is patented to Climastar is the Heating Cruise Control System (HACC). Heating Cruise Control is based on PID technology to guarantee lower consumption. It's equivalent to cruise control in a car. The HACC can assess the correct amount of power required by the heater to maintain the set temperature in the room. As the outside temperature drops, this effects the temperature inside your home.

The HACC can recognise that temperature change as it happens and it knows exactly how much power we need to release into the radiator to keep the room at the temperature previously selected, so you stay warm. It's completely automated. Just set the temperature, and relax.

The Harmony Cruise Control (HACC) uses minimal power consumption to maintain a constant temperature avoiding peaks and troughs of power usage and heat output. It is based on a predictive algorithm that adjusts the consumption based on the thermostat readings (accuracy of +/-0.05°C).



HACC Conceptual Graph

Core Technology

At the core of our technology is the Magma Silicon Battery which improves efficiency whilst reducing consumption. Twin Magma silicon batteries are key to keeping the room warm and comfortable, whilst reducing energy costs. The front heat battery is designed to store heat and release that heat into the room for longer periods whilst drawing very little power.

The front panel is manufactured with a double core heat conduction chamber that optimises the convection process.

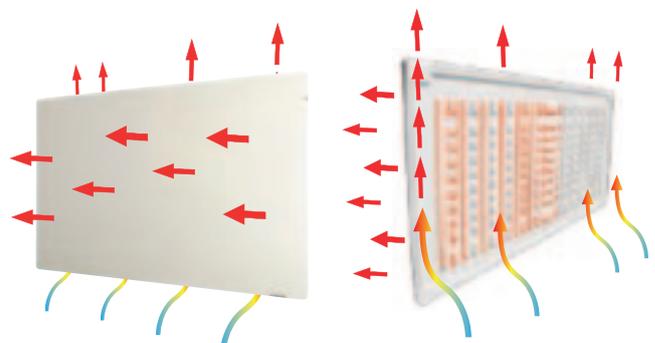
The second Magma Silox heat battery at the back of the heater, absorbs heat that would have escaped into the back wall and transmits it back into the room, using less energy.



Magma Stone

Magma Stone is manufactured under 400kg/cm² of pressure and then baked at 1200°C. It is made by combining Aluminium and Silicon into a heat battery. The Harmony range has two heat batteries in every radiator keeping you warmer and contributing to the use of less energy. With Magma Stone, we guarantee the best heat transfer for longer, keeping the room temperature stable to within 1°C and reducing energy consumption, so you stay warmer and reduce your carbon footprint.

Because of the way we manufacture the front panel, heat is transferred in a totally uniform way. The Harmony heater is truly Homogeneous. Other heaters with fluting, such as German designed heaters can not transfer heat in the same way.



The front heat battery is designed to store heat and release that heat into the room for longer periods whilst drawing very little power.

It is manufactured with a "double core" heat conduction chamber that optimises the convection and heat storage released by radiation to the room.

Do Night Storage Heaters Work?

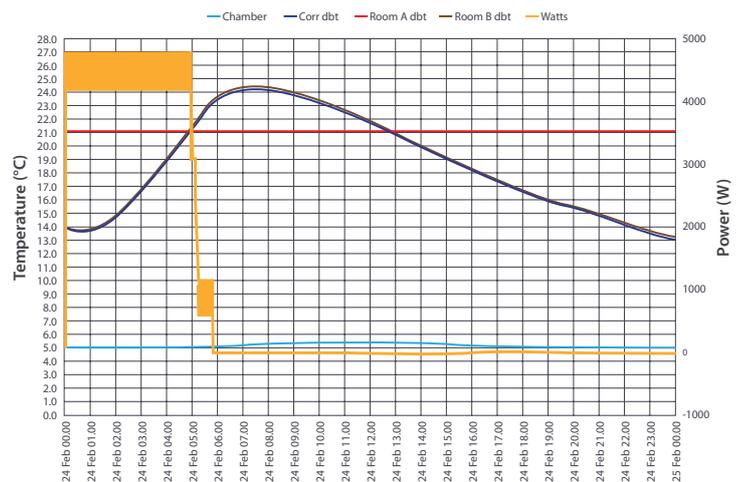
Night Storage Heaters (NSH) came to prominence in the 60's and 70's and the principle of how NSH works is the same today as it was when they were first invented. It's old technology. NSH work on time, not temperature. NSH come on the same time every night, produce, and store the same amount of heat. If it's too warm in the house, the customer opens the windows to cool the room down. In the evening, when the heat from the NSH is largely gone, the customer is forced to switch on a portable heater, or wear a jumper. There must be a better way?

Today, there is no such thing as cheap electricity, and the introduction of Smart Meters are a major step forward in allowing the electricity companies to do away with Economy 7 tariffs and replace them with variable tariffs that can be charged at different rates at different times of the day. The power supply market is changing fast!

Below, is a graph showing the night storage heater working principle:

Heaters are charging during the night (yellow) and temperature in the room is increasing (comfort temperature) is achieved and surpassed and after that, the room temperature is constantly decreasing. At 17.00h, room temperature is already below 18°C exactly the time when people start to require more heat or when they are arriving home. The design has not changed much over the last 30 to 40 years.

The other issue with NSH is that its very difficult to control how and when the heat is dissipated into the room. If the day is warm, and you don't require much in the way of heating, you can't restrict the heat being released from the NSH. The only way to cool the room is to open a window and let the heat escape. Conversely, if you require more heat in the evening, you can't charge the night storage heater as and when you want to so your room will be cold till the next day. With Climastar, you will never experience these problems. You can have the perfect temperature any time of the day or night. Heat on demand, and a Climastar heater will use significantly less energy than a Night Storage Heater.



More Effective than German Clay Core Heaters

The Harmony range works very differently from Clay Core Heaters. German heaters require a lot of energy to charge the core, just like Night Storage Heaters do, however, because they can't retain as much heat as a Night Storage heater, they charge and recharge many times every day. Because they use a very basic switch to draw power into the core the unit continuously switches on and off, which means that the German heaters give a less stable control of temperature.

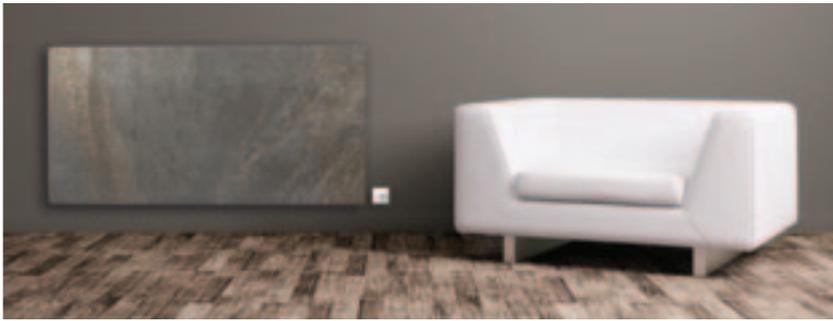
The Harmony range using TRIAC technology has a far superior power band, so the temperature is constantly stable. The TRIAC then allows the heater to increase or decrease the flow of energy at a steady and controlled rate, resulting in less energy being used when compared to heaters using German Technology.



harmony

Climastar Product Range

We are fully committed to the development and production of the most efficient and controllable electrical heating systems. We build heating systems that ensure we reduce your energy consumption by quickly heating rooms and only using energy when you need it.



There has never been a more critical time for everyone to switch their heating to sustainable and energy saving electric heating! Whilst it's vital to make these changes on environmental grounds, we will also be upgrading our heating to a beautiful and more efficient heating system. Radiator design has changed for the better. More customers are removing the older metal designs which rust, chip and stain, and replacing them with more modern and durable radiators that not only look better, but work better as well.

Try to forget your idea of what a traditional radiator looks like, and replace it with a stylish and exquisite Harmony radiator controlled by the latest modern technology.

With the Harmony range you get a unique radiator in a choice of finishes. You'll be forgiven for not realising that this is an actual radiator.

Now's your opportunity to get rid of those old rusty steel radiators and replace them with the majestic Magma Stone, whilst reducing your carbon footprint at the same time.



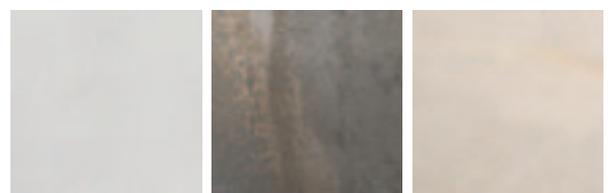
Harmony Finishes



Black Natura

White Etna

Dark Grey Teide



Light Grey Teide

Terra Limestone

White Limestone

harmony

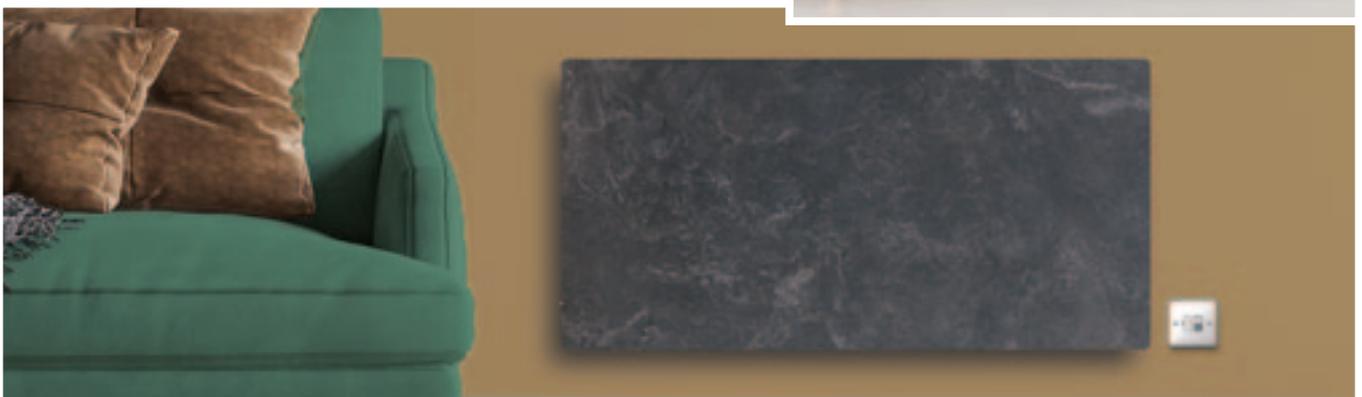
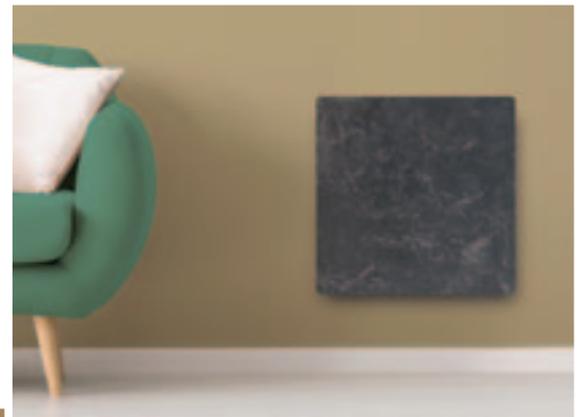
Etna

Etna is a product of natural beauty. Our designers have created this heater to look and feel like natural stone. Etna comes in White finish and is shaped and sculpted to reveal the undulations that you will only see in a natural product. Manufactured under $400\text{kg}/\text{cm}^2$ of pressure, and baked in our ovens at 1200°C , no other heaters can create the luxury product that is Etna.



Natura

Black Natura is a hand crafted and hand finished radiator designed to add some panache to the décor of your home. No two pieces are identical. This is truly a one off masterpiece of style and design. Black Natura can be configured as a vertical. Horizontal or square heater. It will fit comfortably in any setting bringing a unique look and feel to your room. Harmony heaters are built to last a lifetime, so banish those off white metal radiators for good and put some luxury to your wall. Black Natura, naturally beautiful.



harmony

Limestone

Limestone comes in White or Terra Limestone finish but can be customised to a variety of finishes. Our Limestone finish is a flat panel, so it will blend in with any wall colour or wall covering.

White Limestone can be painted to any colour or a mixture of colours. It is a truly a blank canvass. Leave it in its beautiful natural finish, or paint it to match your décor or contrast your décor. If you wish to do so, we can superimpose the Limestone heater with a favourite photograph, or any image of your choosing to make the Limestone range as unique as you are.



harmony

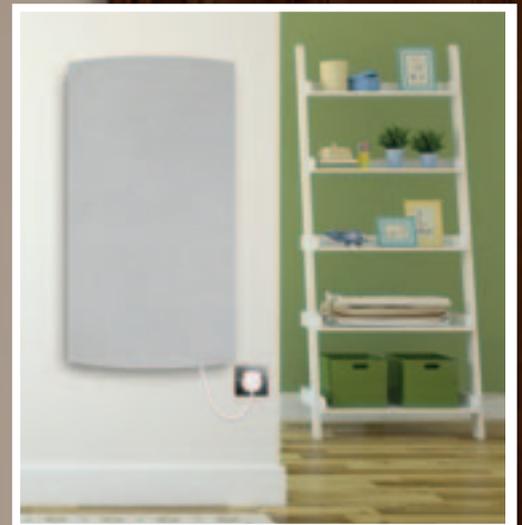
Teide

Teide is a unique product that produces an unrivalled heating experience. Teide, like all our Harmony heaters, is made from Magma Stone, however, it is the only stone radiator in the world which can be manufactured into a curve. The Teide range, like the other Harmony products, can also be manufactured as vertical or horizontal radiators. If you choose the Teide curved heater, the radiation angle of the Teide is 180 degrees, and this allows the radiator to transfer heat across the room faster than a flat heater. It is totally unique and involves a very specialised manufacturing process which allows us to mould the shape of the stone to give better heat distribution and reduce consumption. The Teide range comes in two finishes, these being Light Grey Teide and Dark Grey Teide

Dark Grey Teide



Light Grey Teide

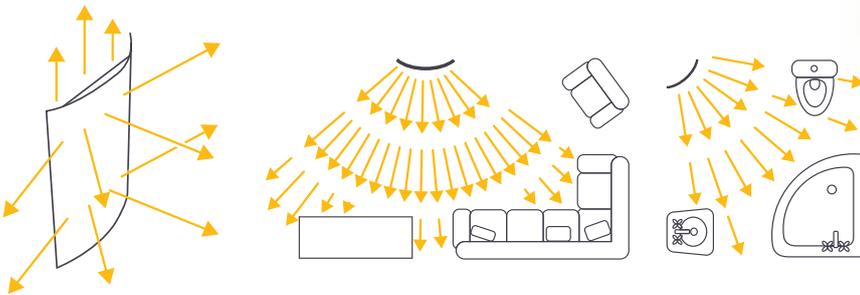


harmony

Curved Range

The curved range is available in both Teide finishes. These are Dark Teide and Grey Teide. Both look superb on the wall. The Curved range is a totally unique product and is only available from Climastar.

The curved range goes through a unique manufacturing process that shapes the stone in a very uniform way. It's the only stone radiator in the world which can be manufactured in this shape. It is totally unique in how it looks and how it performs. The angle of the Teide Curved is 180 degrees and because of the shape it only occupies 60cm x 60cm of wall space, but is so efficient it can heat a large room of around 200 cubic meters! It's another example of a unique and exquisite product from the Harmony range. A range of electric heating systems which are designed to look and work beautifully in your home.



Dark Grey Teide



This is a cross section of a Harmony Heater. As well as the Magma Stone panel at the front of the heater, there is an additional Magma Stone panel inside the heater. The Harmony heater therefore uses 2 separate Magma Stone panels to capture heat and transfer that heat into the room. Every Harmony heater utilises 2 individual solid Aluminium elements. This allows the Harmony heater to warm the air faster and more efficiently, so your room will heat far more quickly when compared to using a traditional heat storage radiator. By positioning the Magma Stone panels in close proximity to each other, we create a chimney effect which improves the natural convection, reduces heat escaping into the back wall, and heats your room more efficiently and faster. Once the room has reached the selected temperature, by utilising patented TRIAC technology to trickle charge the Magma Stone panels, we can reduce energy consumption and maintain a constant temperature in any room. So you stay warmer and use less energy in the process.



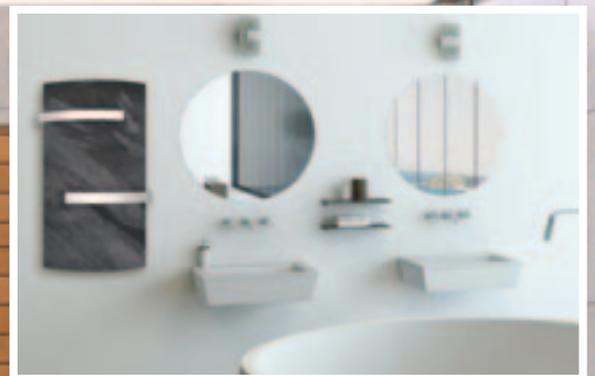
Light Grey Teide

harmony

Bathroom Range

Keeping your bathroom warm and dry is important. Poorly heated bathrooms are a breeding ground for mould and dampness. That is harmful to your health and the fabric of your building. The Harmony range is the perfect way to heat and enjoy your bath or shower time, allowing you to stay warm and comfortable every day.

The Harmony bathroom range comes in a variety of styles and colours. They are waterproof (IP24) rated, so they fully comply with Building regulations. These are all slimline radiators, so they won't take up too much space on your bathroom wall. Because they are made from natural stone, they won't chip or rust like German steel made radiators, so they will look just as beautiful in 25 years' time as they do today. Magma stone carries a lifetime warranty. It never deteriorates, will retain its natural colour without fading even if positioned in direct sunlight. You can add a variety of towel rails or drying hooks to keep your towels warm and fluffy for when you want to use them. The Harmony bathroom range puts a little bit of luxury in to showertime or bathtime.



harmony

Relax we have it covered

No matter how you heat your home right now, if you want to replace your existing heating system with a new state of the art Harmony heating system, we have it covered. Our qualified heating engineers will take out your old heaters. Whether it's removing old night storage heaters or removing a boiler and radiators, our team is on hand. We will remove it from site and dispose of it in an environmentally safe and secure way.

You won't need to lift a finger, everything is done by Climastar UK. We will then install your new heaters, set up the Thermostats, give you a demonstration of how it all works, and leave your home spotless. Yes, we even clean up after we install. It has never been easier to upgrade your heating, giving you warm, comfortable and controllable heating. Just what you need.



White Etna



Black Natura Finish

CLIMASTARUK

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