



German Heating at its best!

Thank you for your interest in our German Electric Radiators. In this booklet we will explain what makes these radiators so special and different from other heating systems and how they might give you a nice cosy home AND save you money on the ever increasing energy costs.

Why Electric?

Natural resources such as oil and gas are being used up at an ever increasing rate.



Britain like many other nations is looking to renewable sustainable energy sources such as wind, Solar, hydro electric and soon tidal and wave..... what do all these energy sources have in common? They are all electric!

Why these German Heaters?

The unique design of these heaters ensures a cosy warmth , combined with low running costs, versatility and slim line look makes these radiators some of the best available anywhere.



Where have they come from?

Our radiators have been manufactured and supplied all over Europe by a long established family company in Germany established since 1946. Their expertise in heating has been built up over this time. In Germany and other parts of Europe this type of heating has been used for many years and has an established track record. It has been available in England for some time. In the last two years Elsco heating have ensured that these radiators are now readily available across Scotland covering the North of Scotland and Islands from Elgin and the Central Belt from Glasgow.

Elsco Heating are the ONLY Scottish based company specialising in this type of heating

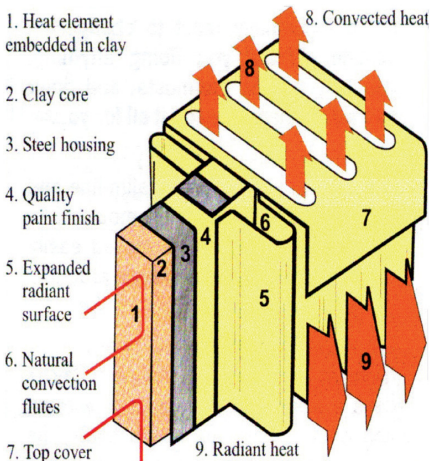
Read on for some more technical information!....

How do they work?

The main part of the radiator is a series of special clay panels which incorporate their own individual heating elements.



The clay cores when heated, produces a cosy **radiant** heat along with some more standard **convected** heating. When the room is up to the required temperature, the thermostat will cut power to the heater, BUT the heater will continue to emit heat from the clay cores. This is the key to the efficiency and economy of these radiators!



Various test have been completed on these radiators in Germany over the years. These have demonstrated the benefits of the retained heat

within the clay core, results showing electricity usage of as little as seventeen minutes in every hour, whilst maintaining a comfortable room temperature with a sub zero climate outside!

So how much do they cost to run?

A 2.0 Kilowatt heater, which would adequately heat the average sized living room, on continually, with a current electricity cost of about 15 pence per Kilowatt would have a running cost per hour of 30 pence. If however it was only using electricity for about 17 minutes per hour then it would only cost about 8



pence per hour to run ! What a saving!! The efficiency of YOUR heater is directly dependent on your insulation levels in your house and your lifestyle, but this kind of saving could be yours.

What sizes are available?

It is important to make sure that the radiator has sufficient power to heat a room of a given size.

Under powering a room means that situations could arise where the heater is struggling to heat the room to the desired temperature. This results in the heater simply not switching off and becoming uneconomic. Conversely if a room is slightly overpowered it simply heats up a bit faster and then the thermostat cuts the power, saving money!

So getting the power requirement right is the first priority. We have radiators available from half a kilowatt up to two and a half kilowatts. These are available in a variety of sizes to suit your specific room requirements. The standard radiator height is 600mm, but we have tall thin ones available and low level ones (350mm) which are particularly suitable for conservatories and rooms with low window sills.



What about fixing?

These radiators are very versatile. They can be fixed to the wall with our wall fixing kit, or can be free standing on either feet or castors

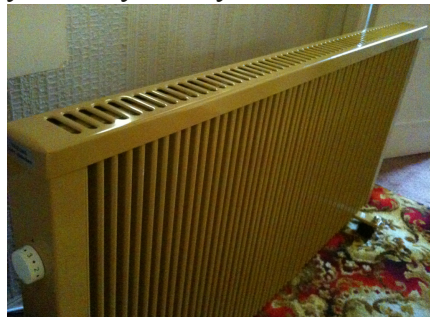
If you opt for feet or castors you will also receive a free wall fixing kit . Should you feel you would like to eventually fix to the wall you have the parts available.

What about colours?

As your radiator will be manufactured specifically for you in Germany, there are many

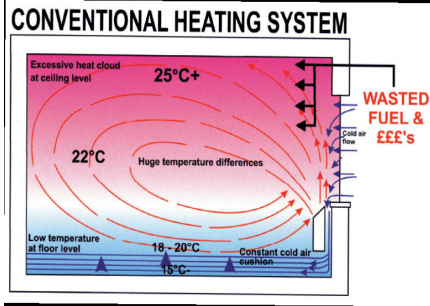


options on colour... Most people go for the standard Pearl White (Ral 1013), as this blends nicely with most colour schemes but you can select virtually any colour you may want

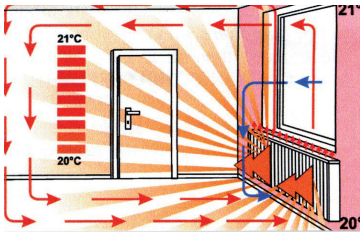


So what else makes these radiators special?

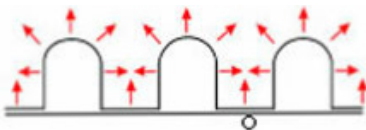
1) Design



These radiators are designed to maximise the use of radiant heat. Radiant heat tends to go in straight lines, just like the heat from the sun whereas convected heat just rises.



This is achieved using the unique properties of the clay core combined with the fluted design giving a substantially increased surface area



2) Thermostat & Sensor

These radiators have an integrated top quality German electronic thermostat ensuring very accurate temperature control.

In addition the sensor for the thermostat is located at floor level. Why?, because this is the coldest part of the room! Many thermostat control units for heating systems are located half way up a wall. This means they cut the power to the heater as the hot air from the ceiling gradually descends, often leaving cold air and draughts at floor level. Floor level draughts could be eliminated by this feature alone.



3) Plug in wall timer

Timing control, don't waste money heating your living room when you are asleep in bed or out at work.



These, together with the integral thermostat give absolute control over your heating. This combination ensures the most controlled heating possible.

I have oil or gas, can I use these radiators?

If you have a perfectly good gas or oil central heating system we would certainly not suggest you change it for our radiators. If your



boiler and heating system is old and not working properly, costing you money and

you are going to have to do something radical soon, then it is probably worth considering. The adaptability of our heaters mean you can buy as little as one at a time which would allow you to evaluate our heaters and use it to supplement your existing system. Many of our customers buy one and then come back for more later!

I have night storage heaters can I use these German radiators?

The majority of people in Scotland with storage heaters are on a system called Total Heating, Total Control (THTC).

With this system your storage heaters get a charge at night with additional boosts during the day depending on the weather at the

discretion of Scottish Hydro. Many people, especially with older systems, are unhappy with the lack of controllability they have with this system and others are simply concerned at the cost.

Scottish Hydro have a monopoly over this system and it is not possible to consider switching supplier to ensure best possible rates

Although benefiting from cheap rate electricity for heating needs THTC customers pay a premium on their “normal” electricity needs such as cooking, lighting, television etc which is currently nearly 32% on the Scottish Hydro “standard” tariff.



On the plus side, with THTC you are allowed for instance a focal point fire in your living room running on the discounted rate. So if you just want to supplement your storage heaters with one of ours, this is a very useful feature. You will need to check with your electrician that he can wire it into the THTC system, but it should be quite straight forward.

Many of our customers start with one of our heaters and then go on to buy more once they have seen just how good the performance can be!

Others might simply remove their storage heaters and white meter completely revert to the standard Scottish Hydro tariff and use our heaters throughout the house.

Some advantages of our heaters

1) YOU have control over YOUR heating. Use it when YOU want it.

2) Automatic reaction to changes in climate, without you doing anything, you simply set the timer and thermostat and forget them, they do it all for you. If you get a mild day with the sun streaming in through your window and the room temperature is above that set on your thermostat then it wont come on! No more opening of windows to let all that expensive heat out!

3) An average sized lounge might

usually require a 3.4 kilowatt storage heater. Our equivalent, because of the much greater efficiency would typically be 1.5 or 2.0 Kilowatts ... a huge saving before you start!



4) Our heaters are hot in minutes. A storage heater takes hours and hours to heat up!

5) Our heaters are very slimline, can be free standing or mounted on castors

6) Our heaters don't need a separate meter or a fully qualified electrician to install them, they just plug in!

7) Standard electricity supply gives you the opportunity to change suppliers, saving even more on energy costs

I have solar panels/a wind generator how can these radiators benefit me?

These are a source of “free” heating.. Our heaters can be timed to come on during the day when free solar might be available. As the solar is usually limited to 4 kilowatts, heaters in different rooms can be timed to come on at different times to spread the free heat around the house. With wind power the



ease of control means you can turn them on or off to suit. These heaters are a great way ensure a controlled warm and comfortable environment within your home at minimal additional cost.

My conservatory is cold in the winter. Do you have anything that might help?

Many people just use the conservatories in the summer and leave them in the winter because they are too cold. Now that can be a thing of the past. Use your conservatory all year round with the addition of one of our low level heaters. Many conservatories have low window sills, we have a powerful but low level heater just to fit nicely underneath.



What about Guarantees?

Due to the high quality of build from Germany, we are able to offer not one year which you would expect from most heating specialists, but a two year guarantee on the thermostat and

FIVE YEARS guarantee on the radiator. How is that possible? Simply because the build quality is so good the manufacturer hasn't a single heater returned faulty or for repair since 1991!

How much do they cost? Why isn't there a price list?



The important thing as we mentioned earlier is to get the power (Kilo-wattage) right for the room. This is calculated using a special formulae based on the room size and insulation values. Once this has been established we have a variety of options on size we can offer you. That is why we prefer to do a home visit to ensure you get the right heater for the job

The price we quote is the FINAL price with no hidden extras and includes VAT and delivery (unless a collected ex Elgin/Glasgow price has been requested) We have looked at the market very carefully and maintained very low overhead costs. We don't have any showrooms. We are able to give the best possible prices to our customers and feel that we are offering the best value for money and service for this type of product anywhere in Scotland!

So what do we do next?



Give John a call on **01343 819676** for **Grampian and the Highlands and Islands**, or Dennis on **0141 5700565** for the **Central Belt and borders**. We will arrange with you a mutually convenient time for a no obligation visit to explain the benefits of these heaters in more detail to you and assess and quote for YOUR specific needs.



Elsco Heating.....Covering Scotland!



German Style, Warmth & Economy



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