CARBON FIBRE HEATERS Vs CERAMIC HEATERS

Far Infrared Sauna Heaters

All far infrared saunas use either Carbon Fibre heaters or Ceramic Tube heaters. Both emit the same Infrared waves. Infra red waves are thermal heat, like the sun's rays. They heat up what they "bump" into.

If you stand in the sun, you feel hot, but when you step into the shade, you feel cooler, even though the air temperature does not change.

Infrared waves work similarly, with the heating effect depending on the distribution of the infrared waves. From customers who try both heater types there is a definite preference for the carbon panel heaters.

Ceramic Tube has been around the longest but due to their drawbacks, Carbon Fibre heaters, while more expensive, have beocme the most popular technology in infrared saunas.

Ceramic Heaters

Ceramic Tube heaters are long skinny ceramic tubes (like old fashioned bar radiators) that rely on reflectors to radiate the energy throughout the sauna.

They are very fragile and can be easily broken (may be hard to source when they need replacing). The main problem is that they create areas of intense heat directly in front of the heater tubes (which can be quite uncomfortable) at the expense of the majority of the sauna, where you do not get adequately heated.

Carbon Fibre Heaters

Carbon fibre heaters have a lower surface area and are much safer. They use a large majority of the area of the internal walls, backs of benches, and even floor panels to emit an evenly distributed pattern of Infrared waves.

The body cannot block the transmition of waves around the sauna which allows the sauna user to be evenly heated and sweat from all parts of the body.

Carbon Fibre heaters create higher and more efficient infrared waves and the elements themselves are more eneregy efficient.

Compare For Yourself

	CERAMIC HEATERS	CARBON HEATERS
COST	Cheaper for Manufacturer	Expensive for Manufacturer
HEAT DISTRIBUTION	Hottest closest to heater	Distributes heat evenly
INFRARED ENERGY	Lower emmision of infrared waves	Higher infrared emmisions penetrate further for greater therapeutic benefit
HOW DOES IT HEAT	Heat is more intense close to the element. Heats unevenly.	Heat is dispursed over a larger area so your body is heated evenly all over providing full body treatment
SURFACE AREA	Small surface area	Large surface area, heat distributed evenly
WARM UP TIME	Heater surface heats quickly, more intense close to heater which creates cold spots	Heats quickly with even heat distribution over a larger area to fill the sauna with heat
DURABILITY	Ceramic heaters are very fragile and break easily	Carbon fibre is flexible and almost impossible to break
ENERGY EFFICIENCY	Less energy efficient	High energy efficiency. Save 30 - 50% energy

So Why are Carbon Fibre Heaters Better?

Even Heat Distribution: Carbon Fibre heaters are composed of thin carbon plates and have an even heat distribution area, thereby elimination hot spots that are typically experienced with ceramic heaters

Lower Surface Temperature: The surface temperature of a Carbon Fibre heater is much lower than a Ceramic heater, therefore, they are safer and a person can withstand longer therapy sessions.

More Heat Coverage: Carbon Fibre heaters provide more heat coverage than ceramic heater saunas.

Infrared Rays: Carbon Fibre heaters emit rays that are closer to far infrared which is most beneficial for health and healing.

Deep Tissue Penetration: Carbon Fibre heaters Infrared heat penetrates deeper into the skin tissue than with Ceramic heaters.

Lower Energy Cost Carbon heaters are energy-efficient

And What about the Total Output of the Heaters

As well as the type of heater, the other important thing to consider is the total output of the heaters in your sauna, as this will determine how quickly and how well your sauna works. Most infrared saunas have a toal of around 1700w of output. Oasis Therapy saunas have 2300 - 2400w of total heating which gives you quicker heat up times and more infrared energy - which means more enjoyment and more therapy from your sauna.