



HEATMASTER

SMART HEATING SOLUTIONS

-  **Why do I need to consider heating in Egypt?**
-  **Problems with conventional heating**
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-  **The benefits of using our smart solutions**
-  **How much does it cost?**
-  **Frequently asked questions**



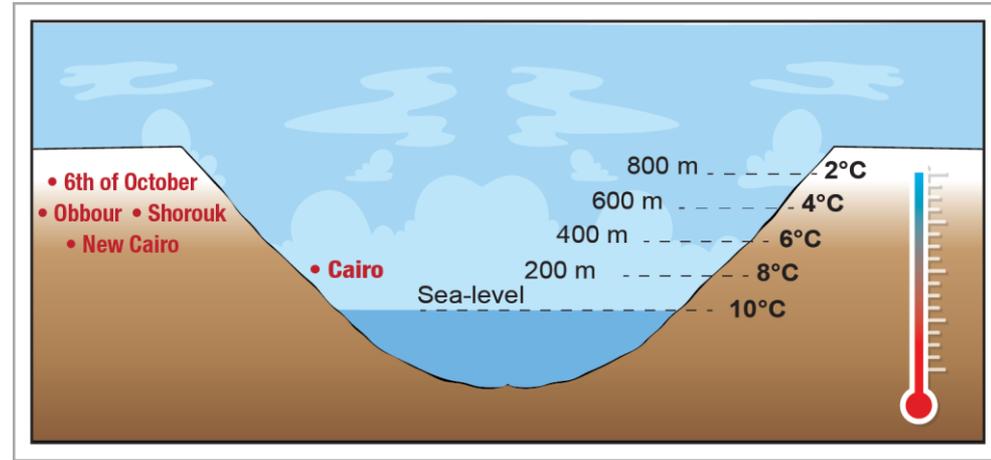
WHY DO I NEED TO CONSIDER
HEATING IN EGYPT?



For the past 10 years, people in Egypt have been moving from inside the city to the outskirts.

Sitting on the Nile Valley, temperatures in Cairo are relatively moderate. However, they are substantially lower in new cities such as New Cairo, 6th of October, Shorouk and Obour.

This is because they are built on desert plateaus, high above sea level in a cold desert climate where temperatures can drop to 4°C at night in winter.



PROBLEMS WITH CONVENTIONAL HEATING



The high cost of heating:

Electricity costs are constantly on the rise with an expected 40% increase in 2017.



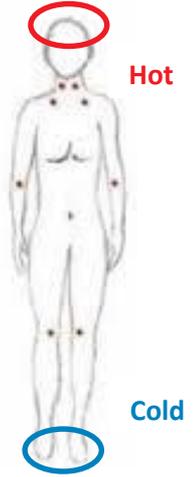
Safety Hazards:

- ⚡ Electrical shorts may cause a fire when using heaters or oil filled radiators during the night.
- ⚡ Gas water heaters can pose a threat of suffocation if bathrooms are not well ventilated.
- ⚡ Electrical water heaters can overheat and cause the safety valve to release hot steam and possibly causing an electrical short.



AC heating is not good for your health:

ACs are not a healthy heating solution because they blow hot dry air in a top to bottom direction thus heating the air around the upper body while leaving the air around the legs and feet cold which can result in health problems.



HEATMASTER – SMART HEATING SOLUTIONS



 HEATMASTER offers innovative heating solutions that provide the utmost comfort and safety while saving you the most on your energy bill.



Central Heating

Central Domestic Hot Water

Swimming Pool Heating

Solar Water Heating



Central Heating ***Radiators &/Or Under Floor***

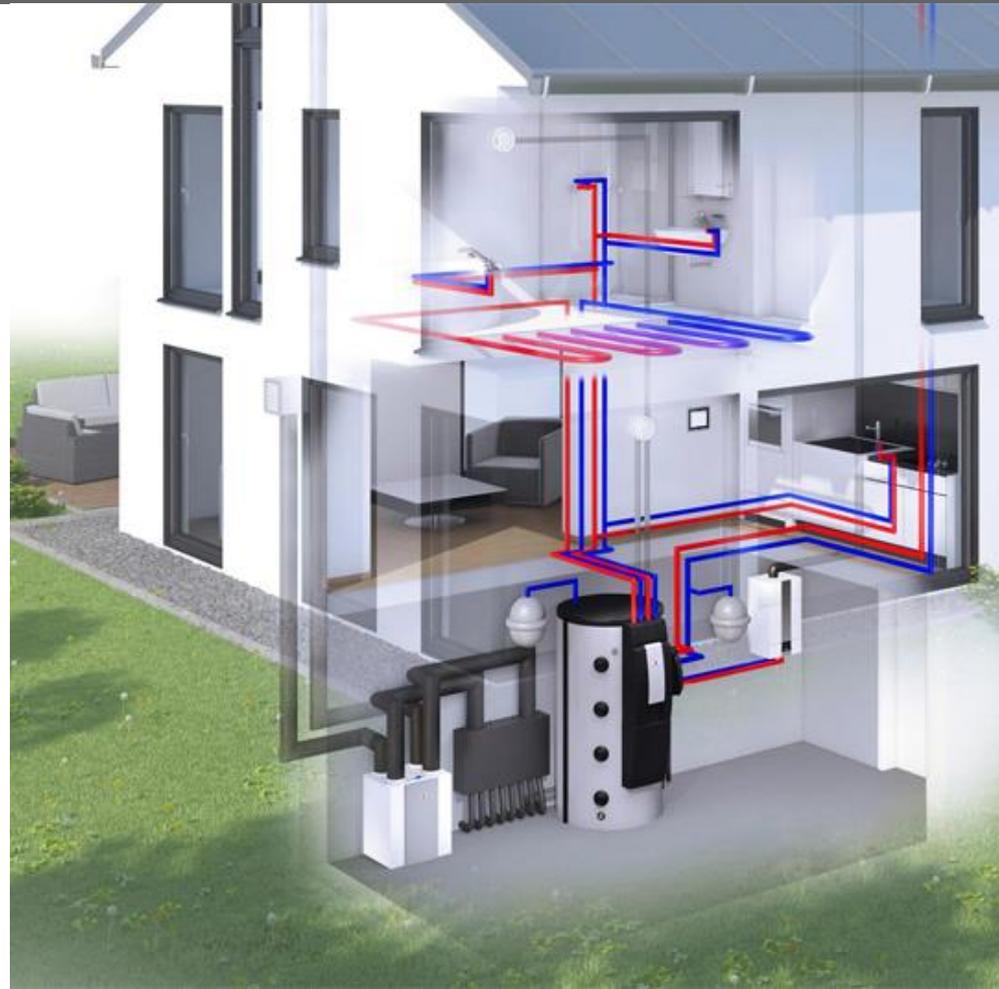
Works by circulating hot water in a closed loop through radiators or an underfloor network of pipes that emit heat in the space creating a comfortable warmth without drying the air.



Central Domestic Hot Water

Instead of using an independent hot water source in each bathroom such as a gas or electric water heater, this solution provides a supply of hot water to all your outlets (bathrooms, kitchen, etc) from a central point where a gas boiler takes care of heating a storage tank big enough to supply the needed capacity.

Note: for this system to work, an interconnected network of piping must be executed for all water outlets. Make sure to inform your architect beforehand because this must be taken into account when designing the water network.



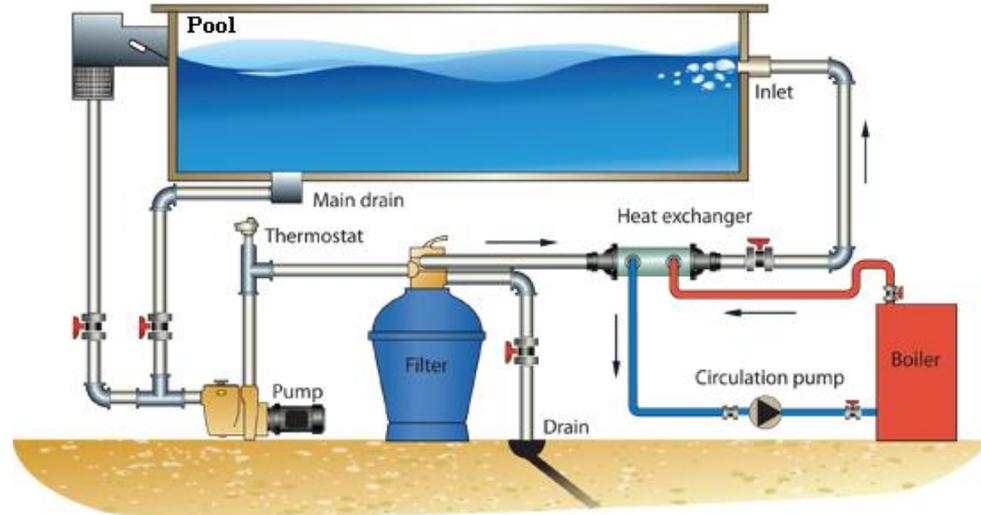
Swimming Pool Heating

A boiler generates hot water and circulates it in a closed loop where it exchanges its heat with the cold water of the pool.

The closed water loop of the boiler does not mix with the water of the pool. Each circulates separately and the exchange of heat is done by proximity in a heat exchanger.

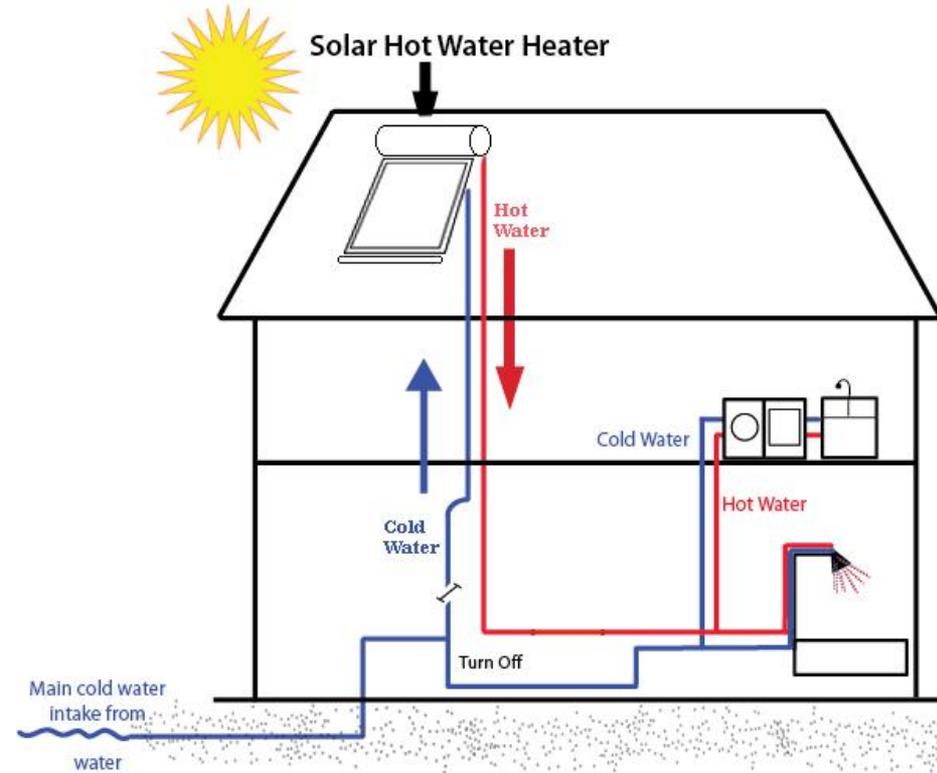
Note: Heating your swimming pool can be achieved in a number of ways:

- 🔥 **Dedicated boiler**
- 🔥 **A standard boiler in combination with a central domestic hot water system**
- 🔥 **Using solar panels and some peripheral equipment**



Solar Water Heating

Solar water heating provides a central source of hot water which is highly efficient and uses no energy but the sun and almost no running cost.



WHY CHOOSE HEATMASTER?



We are your one-stop-shop for all heating and hot water solutions.

- Smart heating solutions that are **safe, healthy, economic, aesthetically pleasing and save space.**
- We design the system and coordinate with your architect or interior designer.
- Our highly trained engineers install and test the system to ensure smooth operation.
- We provide a 2-year warranty and maintenance on the system as a whole in addition to individual manufacturer warranties (up to 15 years).



OUR INTERNATIONAL BRANDS





Germany
Wall hung gas boilers, Gas water heaters & Solar water heaters



Italy
Radiators (aluminum)



Greece
Solar water heaters and Hot water tanks.



France
Floor standing gas boilers, Wall hung boilers, Hot water tanks & Solar heating panels



Austria
Radiators (steel panel)



Belgium
Multi-layered Pe-x pipes especially designed for heating networks



Italy
Hot water tanks (single/double coil), hot water tanks with integrated boiler.



With over 30 years of experience, Junkers is Europe's leading provider of hot water solutions covering a full range of thermal solar systems for domestic and industrial use promising superior product performance.

Junkers offers excellent quality as well as value for money with its range of gas water heaters as well as wall hung boiler combinations.

Gas water heater



Wall hung boiler



Solar water heater



De Dietrich

Established in 1778, De Dietrich is a world leader in providing a solution to every customer heating need.

Whatever the complexity, De Dietrich will surely have the answer.

Floor standing boiler



Wall hung boiler



Hydronic unit



Hot water Tank



 **STYLEBOILER**

Styleboiler offers an extensive range of hot water tanks and integrated gas water heater/tank. These are offered in classical glass lined steel as well as stainless steel body.

Styleboiler products are manufactured according to the highest standards of quality.





The company that first patented aluminum die cast radiators 40 years ago, Faral is a renowned brand worldwide for superior quality products, attention to the environment and commitment to innovation.

Thermal outputs comply with the European standard UNI EN 442-2.



Radiators



VOGEL&NOOT

V&N, Europe's leading technology partner, sets the standard for steel panel radiators. V&N's principles are maximum energy efficiency, trendy heating design and integral range and service.

Thanks to the revolutionary T6 central-connection technology, V&N gives you the freedom in planning and decision making in design right up to the last minute.



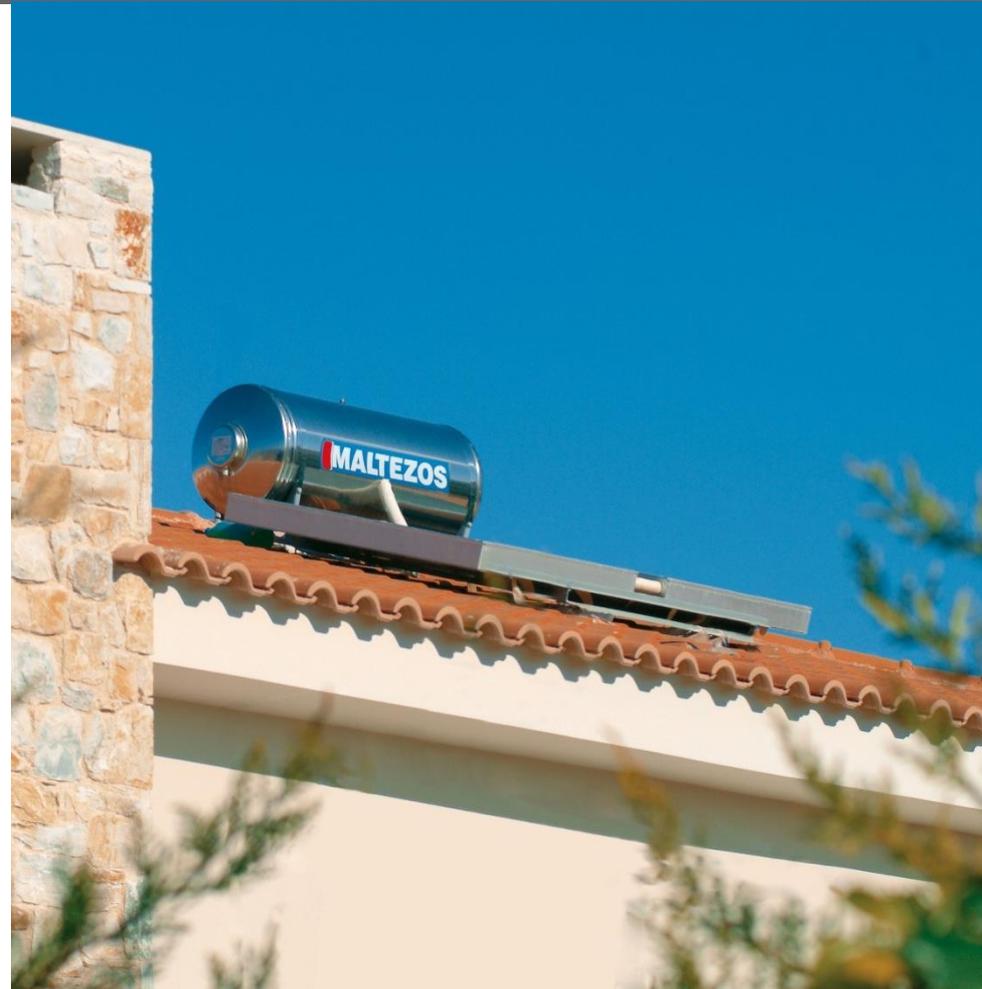


MALTEZOS SA holds a leadership position in the production and trade of Solar Water Heaters in Greece.

The company evolved into a leader in the Renewable Energy sector due to its consistent and high quality product range along with its customer-focused approach regarding after sales technical support and service.



Solar water heater



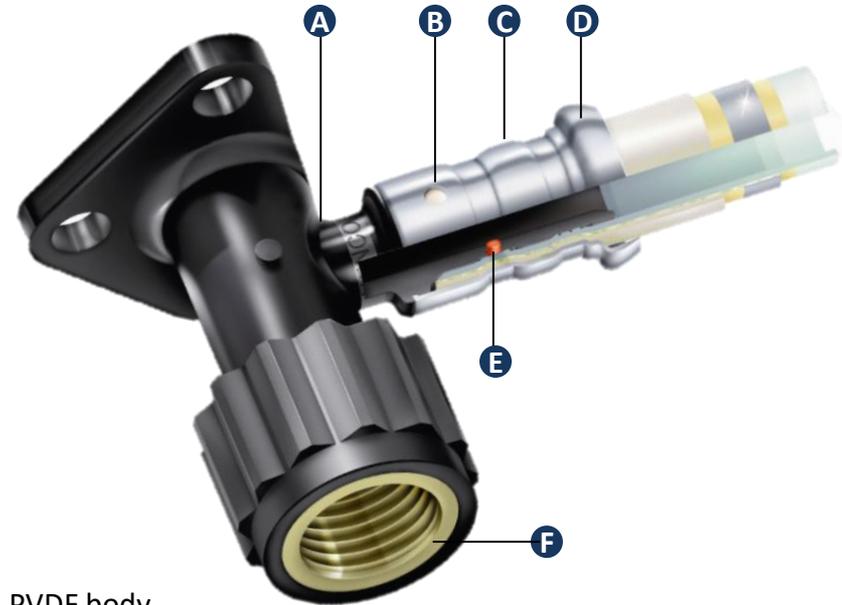


"Your Connection to Perfection". As their slogan suggests, Henco provides the best quality PEXc multi-layered pipes and fittings to allow for a perfect connection for all heating and sanitary systems.

Henco produces 130 million meters/year and exports to 88 countries.



Pipes



- A** PVDF body
- B** Viewing window to check if the pipe is fully inserted
- C** Stainless steel shoulder to locate into the jaws of the press tool
- D** Pressure sleeve of stainless steel
- E** EPDM O-ring
- F** DZR brass: dezincification resistant brass

THE BENEFITS OF USING OUR SMART SOLUTIONS



It saves you money

Although your initial investment may be slightly higher than conventional electric heating, the amount will be depreciated over a few short years after which you will enjoy lower electricity bills compared to the alternative.

This is especially important in light of the rising cost of electricity.

It provides more safety for you and your family

Concerns about gas leakage or electricity shorts which are usually associated with traditional heating methods will cease to exist when using any of our smart heating solutions.

All these risks are avoided when using a central domestic hot water network &/or a central heating system for your home. All the technical equipment is placed outside your home, hence removing all safety hazards and giving you peace of mind.

Better for your health

Central heating using radiators or underfloor piping creates ambient warmth that is felt uniformly all around the space without drying up the air.

This means no sense of dryness or headaches.

Esthetically pleasing

We provide a wide range of decorative and colorful radiators and towel warmers that not only provide warmth but also an esthetic touch to your home.

Saves space

Using a central system by definition means that all equipment are centralized in one place, leaving each bathroom free of any additional water heaters and leaving your rooms free of any additional fan heaters or electrical oil filled radiators.

HOW MUCH DOES IT COST?



Type	Area	Heating	Hot water	Heating + Hot water
Apartment	160 m ²	3,900 €	2,650 €	5,100 €
Town House	330 m ²	8,400 €	2,650 €	10,750 €
Villa	420 m ²	10,300 €	4,800 €	12,700 €

*****Please note that these are estimate figures. Actual prices will be given in an individual quotation following the site visit.***

FREQUENTLY ASKED QUESTIONS

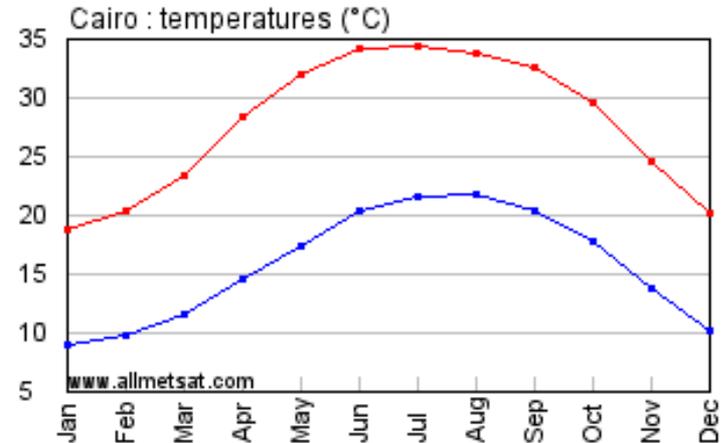


Q: Why do I need a central heating system? Isn't Cairo a warm city?

- 🔥 Temperatures in Cairo are relatively moderate because it lies within the valley of the Nile at a low altitude close to sea level.

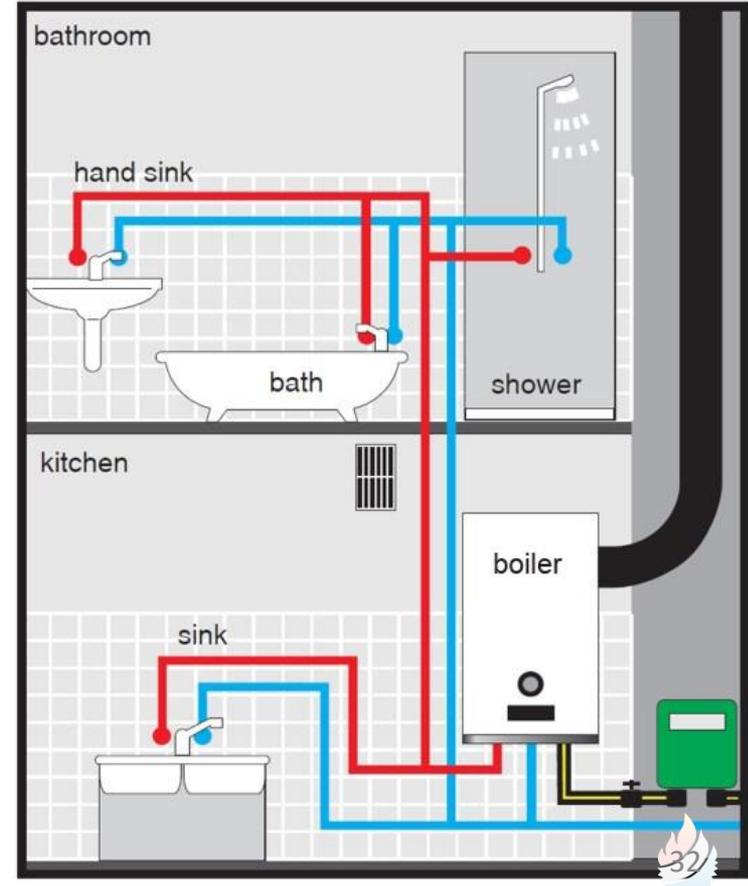
However temperatures in the new cities such as New Cairo, 6th of October, Shorouk and Obour which are built on desert plateaus, high above sea level are substantially lower due to the high altitude and cold desert climate.

Over the last decade, people have been moving to these new areas where temps can reach as low as 4°C at night in winter.



Q: Why do I need a central domestic hot water system?

-  A central hot water system provides a large amount of hot water to any and all outlets in your home using energy in the most efficient way possible. Accordingly, it is not only a very safe option but also saves a lot of money and space.



Q: Why do I need to heat my swimming pool?

- By doing so, you can start enjoying your pool as early as April and extend its use up until late October thus giving you the best value for your money.

Q: Can a pool be heated by solar power?

- YES. It will require between 5 and 7 panels along with some peripheral equipment for an average size pool in a villa. If a boiler is already available, then all you need is to add a heat exchanger.



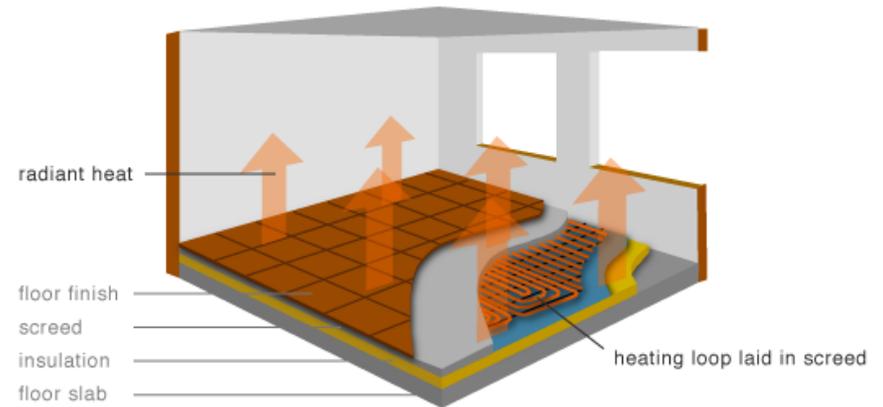
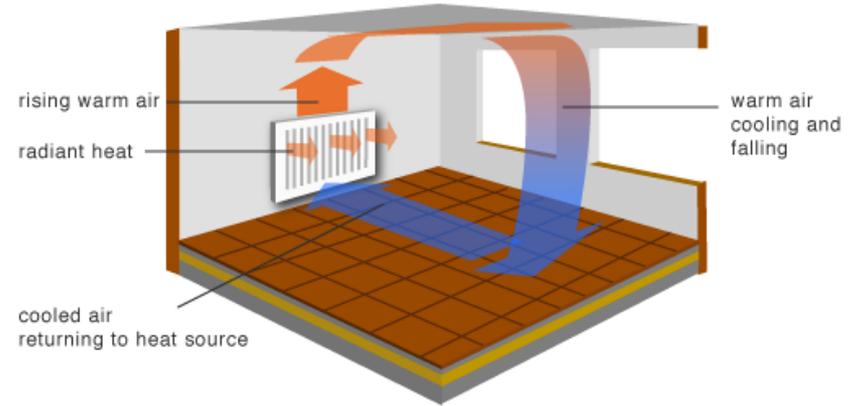
Q: What is the life expectancy of these equipment?

- Floor standing boilers typically live for 30-40 years, while wall hung boilers typically last for 10 years. Solar water heaters live for an average of 15-20 years while the storage tanks typically last for 10 years.



Q: What is the difference between using radiators or an underfloor system to heat my home?

- Not much. They both give the same result. Underfloor systems are used in large spaces where placing radiators is difficult. On the other hand radiators usually warm up the environment faster.



Q: Can the underfloor heating system leak and damage my home?

 NO. The underfloor heating piping does not contain a single connection under the floor. It is therefore impossible for a pipe to leak once properly installed and pressurized.

The pipes used are multi-layered, produced by cross-linked polyethylene and laser welded aluminum sheet. They are long lasting & corrosion proof.



Q: Are spare parts readily available for these equipment?

- 🔥 YES. At Heatmaster, we carry in stock all needed spare parts in the unlikely event you should require any maintenance or after sales service.

Q: How often do I need to maintain the system?

- 🔥 Not often at all. These systems run smoothly for years and years. However, it is recommended to have an annual check-up on the system ahead of the winter season.



Q: But isn't it expensive?

- As an initial investment, it is higher than the conventional electrically operated systems. However, when you factor in the length of time it lasts and the savings on operating costs, you will soon realize that it is a worthwhile investment that will keep you paying as little in electricity bills as possible for a very long time.

As an example, a solar water system has a payback period of 4-5 years while it typically lives for 15 to 20 years giving you 3 to 4 times its value in payback.



Q: What are the operational costs versus electricity costs?

- With the cost of electricity continually on the rise, the operational cost of a gas powered boiler is very low compared to the alternative. In fact, it is probably TEN times less.



Q: How do I know that the system is properly installed?

- In the first phase (piping installation) the network is pressurized and delivered to the site manager until the time comes to install the equipment and commission. At that time, the whole system is commissioned and put into full operation before signing the handover documents and delivering the warranty to the customer.



Q: How long is the warranty?

- 2 years is the standard warranty extended by Heatmaster on the system as a whole along with all the installation works. Over and above, the customer benefits from the manufacturer's warranty on its products. For pipes it's 10 years, for boilers it's 3, for solar systems it's 10 years for the panel and 5 years for the tank, for radiators it's 10 to 15 years, for storage tanks it's up to 5 years.

Visit our Showroom or call us for a free Quotation

THANK YOU..



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