

climafon

Heating for new living requirements



AERMEC


01

What is Climafon?

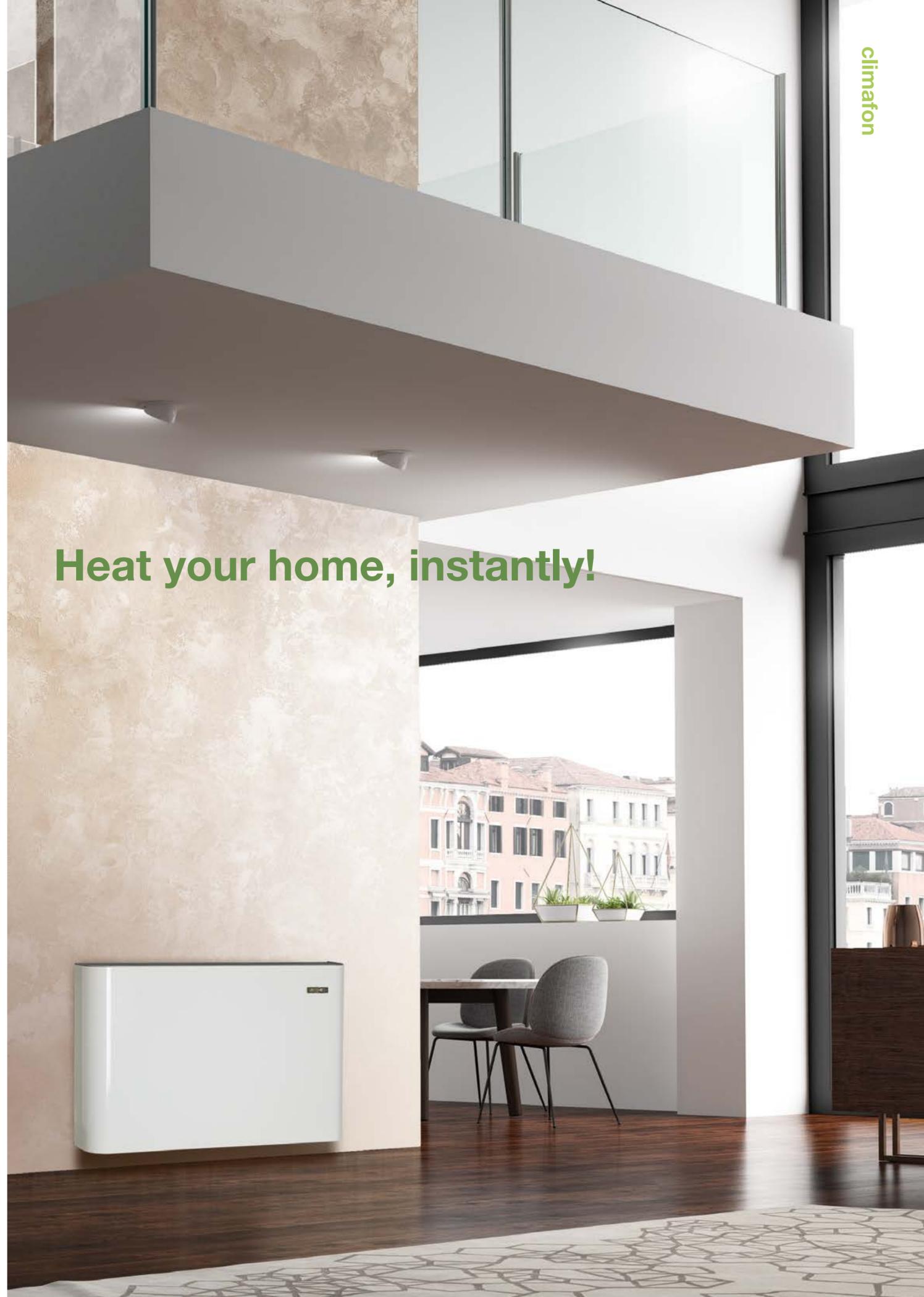


The design of Climafon seamlessly integrates into any room. As standard it is supplied in white RAL 9010.

Climafon is a water convector radiator featuring a finned pack heat exchanger. The passage of air between the coil fins, with a natural upward flow, results in heat exchange between water and air. The heated air is then conveyed outwards and allowed to circulate via a natural convection system. The water convector radiator can be connected to a boiler, a heat pump or a solar energy system. In this sense **it is, exactly, an alternative to a radiator.** Unlike radiators that require high water delivery temperatures in order to heat efficiently, **Climafon can be powered at a lower temperature.** The hot water that enters, at about 40°C, instantly **heats a room thanks to natural convection.**

Climafon is much more effective than a radiator operating at the same water temperature, achieving the same performance with lower water temperatures. The lower water delivery temperature **guarantees healthier air:** with a convector radiator with natural convection problems concerning dry air due to the burning of atmospheric dust will be avoided, nor will it be necessary to humidify a room. Compared to a normal radiator, the convector radiator also contains less water. Consequently, its heating action, heat exchange and subsequent convection will be very quick. It is estimated that **to heat a room of 40-50 square metres, half an hour is all that is required.**

Heat your home, instantly!



02

A heating system for new lifestyles

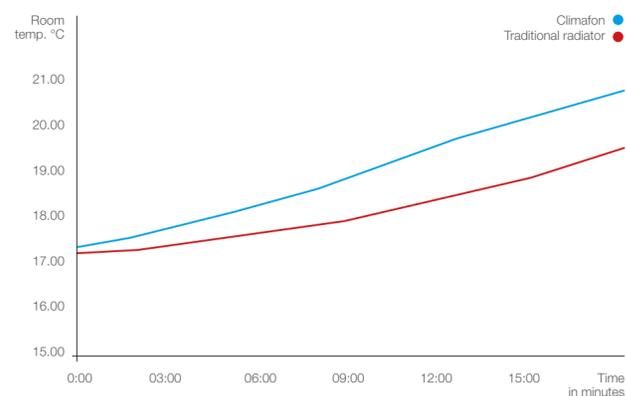
Traditional radiators or convector radiators? Needs have changed.

Generally, when designing, we tend to place high priority on comfort and living needs, giving attention to the design of our systems: whether traditional or new. **Traditional types of heating comprise classic radiators and, in most cases, we tend to replace them because their use and our expectations, in terms of comfort, have changed. New needs and the way we use our homes have significantly changed in recent years.**

Most people leave their homes early in the morning and return in the evening. During the day and often at night, the heating system is not in operation ensuring notable reductions in operating costs. Consequently **systems and solutions are required which guarantee optimal temperatures in the shortest possible time.** The radiator we all know is **not able to handle these sudden changes in temperature in a short time.**

Its operation is based on the supply of heat that remains in a room for a prolonged period of time, even when the system has been switched off. **Nowadays, this is no longer required and accepted.**

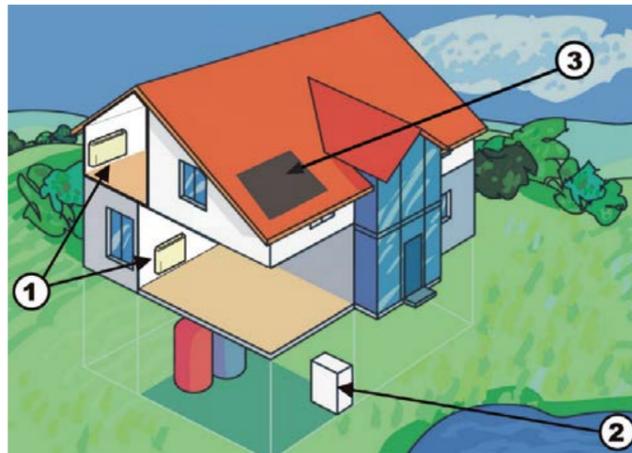
Climafon, on the other hand, is the optimal solution for a discontinuous presence in the home, as it quickly reaches required temperatures and provides the best response **in terms of wellbeing and energy savings.**



Heating your home with more comfort!

03

Low consumption heating,
maximum energy saving.



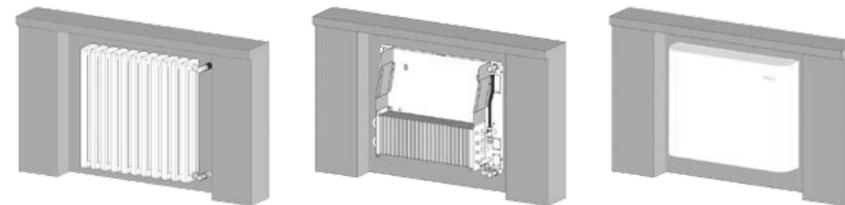
1- Climafon
2- Geothermal heat pump
3- Solar panel

Today, **systems with convector radiators are the ideal solution**, meeting the living comfort standards required in modern life with eventual **higher initial purchase costs largely offset by the subsequent energy savings**. Another important difference compared with the radiator lies in the quality of the air released into a room.

Climafon is powered by water at a low temperature, about 45°C: in this way the **level of humidity** in the air is maintained at values well **within the limits of wellbeing**. Moreover, this system guarantees natural ventilation, providing **cleaner air** and **greater hygiene within the rooms**.



Heating your home
by replacing existing radiators
and saving energy



The air outlets directly face the space to be heated. **The system thus results more efficient because, unlike a radiator**, no heat is lost due to radiation towards the walls behind the appliance. Today, with modern building techniques (insulated external walls), **it is no longer necessary to waste heat to heat walls**. This leads to lower fuel consumption and lower running costs. Furthermore, since **Climafon** makes use of low temperatures to heat, it is a **more environmentally friendly system than a radiator**. It can be easily connected to systems that produce renewable energy, such as solar panels, condensing boilers and geothermal systems.

Climafon convector radiators have been designed to meet the requirements of **comfortable, instant heating with low energy consumption** for residential users in **existing buildings** - replacing radiators - and **in newly constructed buildings**. **Climafon** allows old radiators, in existing systems, to be replaced without requiring any changes to the existing heating system and therefore without costly interventions to masonry structures. **Climafon is the ideal heating** system since it evenly distributes heat and can operate with power systems that respect the environment, using renewable energy sources.

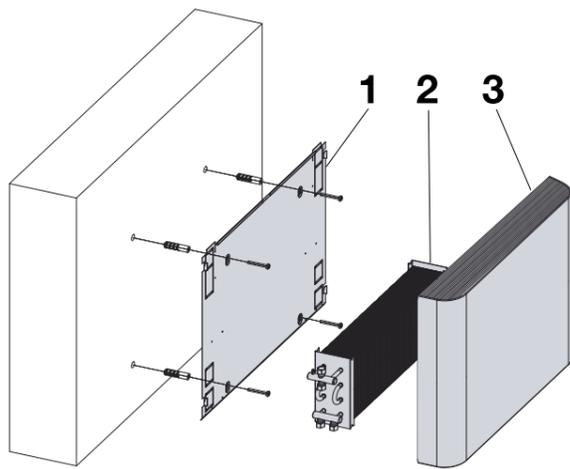


Aermec quality

WHY CHOOSE CLIMAFON?

Primarily so you can have a **tested and approved product** in the home, the result of Italian research and technology, **which takes into account that the future of heating is based on rooms with walls that are increasingly reflective**

and non-absorbent. With **Climafon**, “Aermec Quality” offers a product that is the result of in-depth analysis based on customers’ real needs and expectations, ensuring a quick and easy installation:



Climafon is light; only one person is required to carry and install it quickly and easily on any type of wall.

Climafon is fitted with an installation template so that the unit can be assembled after onsite works. **Costly masonry operations** typically required when installing radiators **are avoided**: only four dowels are needed to quickly anchor **Climafon** to the wall.

The water circuit and connections are the same as for traditional heating systems.

It takes just a few minutes to install **Climafon**:

1- A rear frame is used to determine the outlets from the wall for the heating circuit connections. After connecting the water circuit and carrying out masonry and painting operations, the rear frame can be anchored to the wall with 4 fixing dowels.

2- The heat exchanger can then be fastened to the rear frame and the water circuit connected.

3- The cover can then be hooked onto the rear frame.

Optimal operating characteristics

Model		12P	13P	22P	23P	32P	33P	42P	43P
Heating capacity UNI EN 442 (q_b)	W	910	1005	1350	1540	1750	2001	2200	2515
Water flow	kg/H	78	87	116	165	150	176	190	221
Water pressure drop	kPa	0,22	0,26	0,50	0,72	0,95	1,36	1,31	1,91
Water content	l	0,5	0,6	0,8	1,1	1	1,4	1,1	1,6
Net weight	kg	12,1	12,5	14,9	15,6	18	18,7	21	21,9
Length All models have H. 630mm and D. 140mm	mm	600		800		1000		1200	

Heating (UNI EN 442) - Ambient air temperature 20°C; water temperature (in/out) 75°C/65°C; ΔT water 50°C.
For further information please refer to the technical documentation available on the Aermec website (www.aermec.com).



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