



# SOFI<sup>®</sup> VERTICAL

## THE VENTILATED RADIATOR

**PATENTED**

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**EUROPEAN  
WARRANTY**

### DESCRIPTION:

SOFI<sup>®</sup> is the radiator of high power and efficiency which combines the features and appearance of a traditional radiator and the performance of a fan coil. Ideal for operation even at low temperatures. SOFI<sup>®</sup> is a terminal for heating system.

### FIXING KIT:

Wall fixing plate and wall plugs suitable for compact or hollow brick walls.

### PACKAGING:

The radiator is protected by recyclable carton box. User notice included.

### PAINTING PROCESS:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

### COLOURS:

Radiator and accessories: standard white colour RAL 9010-R01.

Suitable for PICTURE version

For other colours see Colour chart chapter.

### ELECTRIC ENERGY CONSUMPTION:

9,9 watt.

Wire lenght: 500 mm.

Hot water working conditions:	P. Max: 5 bar	T. Max: 110° C
Class protection:	CLASS 2	Power supply: 230V/50Hz

## CERTIFICATIONS



## CONNECTIONS



*Always specify the kind of connection needed when ordering.  
Bidirectional pipe connection not available*

## ACCESSORIES



**Kristal valve square  
manual pipe centres  
50 mm  
White R01 - ral 9010**

Copper conn. Ø 12/14/15  
Art. nr. 5991990311192

Multilayer conn. Ø 16  
Art. nr. 5991990311191



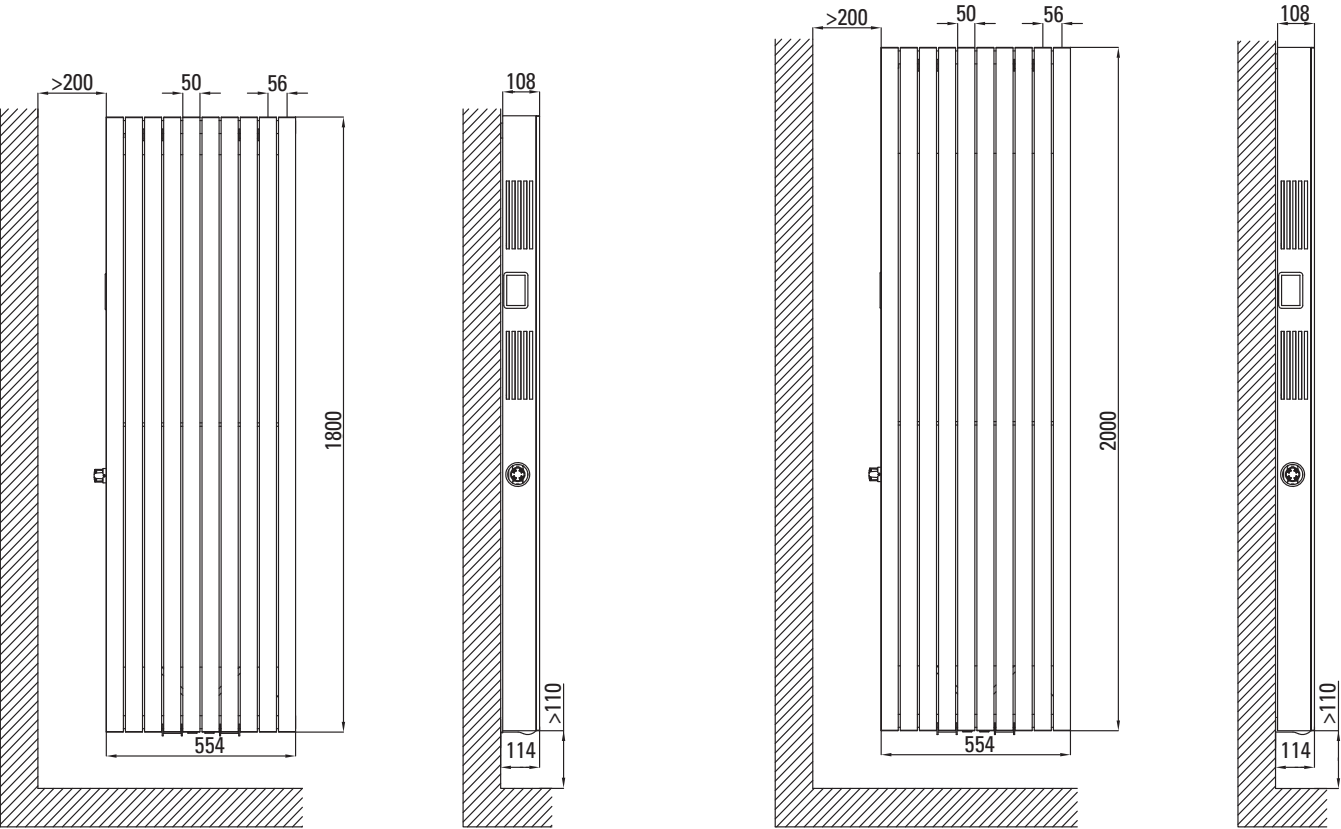
**Kristal valve straight  
manual pipe centres  
50 mm  
White R01 - ral 9010**

Copper conn. Ø 12/14/15  
Art. nr. 5991990311194

Multilayer conn. Ø 16  
Art. nr. 5991990311193

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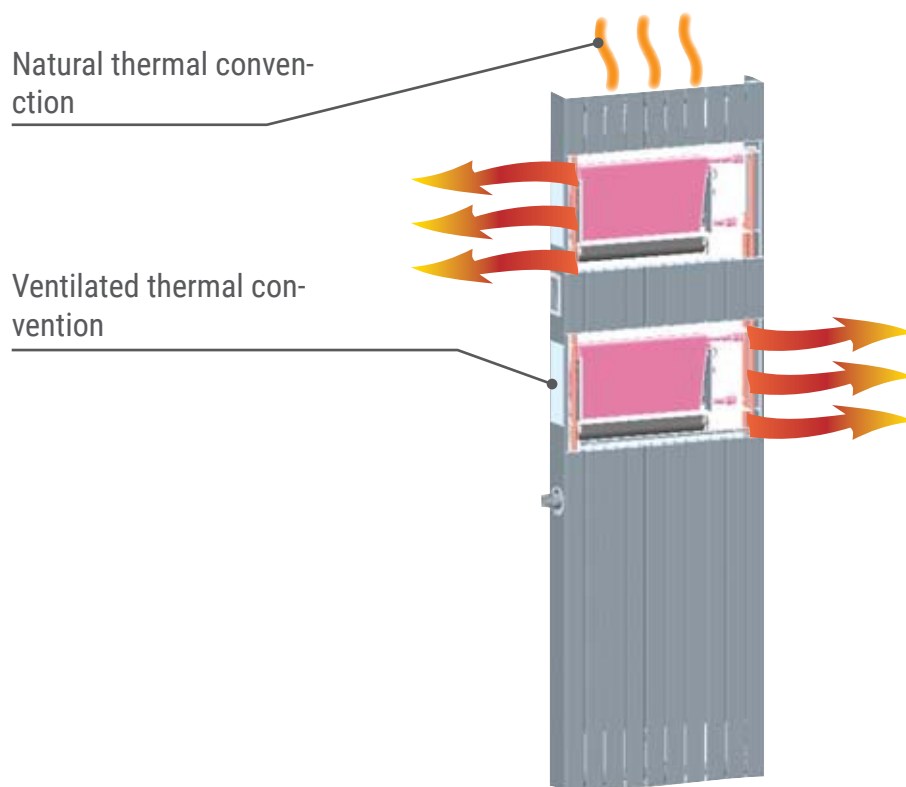
Height H [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Thermal output in heating [Watt]											
				OFF			SPEED 1			SPEED 2			SPEED 8 - BOOST		
				Δt=50°C	Δt=40°C	Δt=30°C	Δt=50°C	Δt=40°C	Δt=30°C	Δt=50°C	Δt=40°C	Δt=30°C	Δt=50°C	Δt=40°C	Δt=30°C
<b>1800</b>	554	50	3605776100003	2167	1711	1249	2571	1955	1305	2996	2277	1438	3257	2665	1564
<b>2000</b>	554	50	3605776100006	2287	1831	1369	2691	2075	1425	3116	2397	1558	3377	2785	1684

Art. nr. are referred to colour WHITE R01 - RAL 9010 version and V11 connection.

Height H [mm]	1800	2000
Dry Weight per section [kg]	52	55
Element Water content [lt]	17,8	19,7

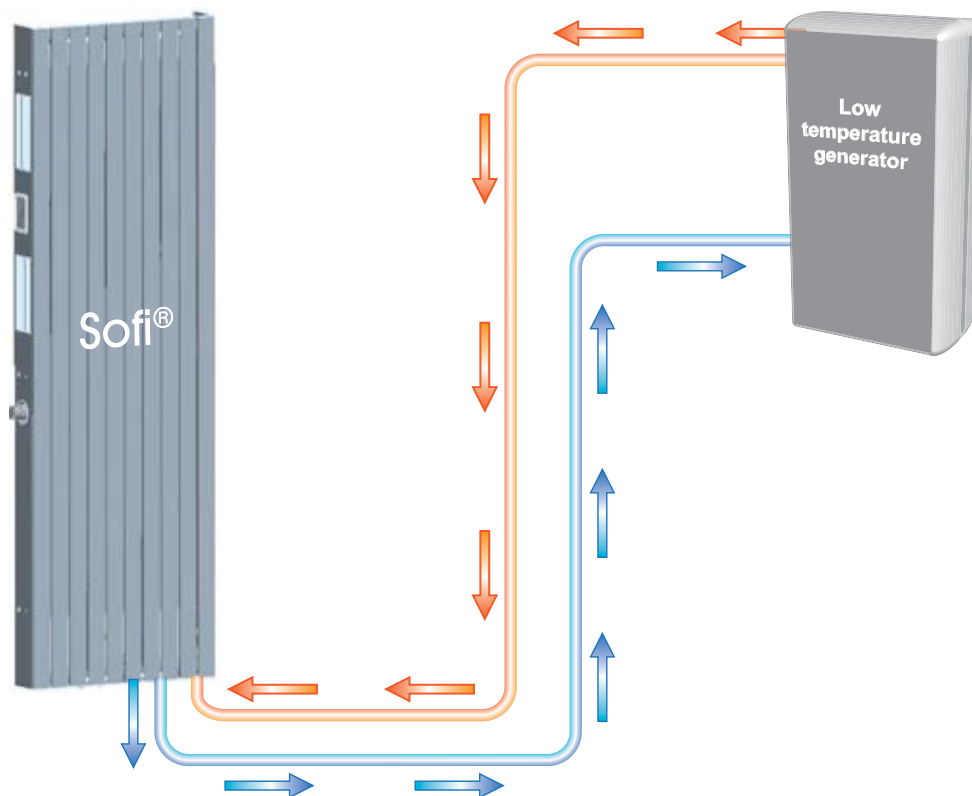
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## THE VENTILATED RADIATOR



### THERMAL COMFORT

The ventilated radiator SOFI® combines the power of forced ventilation to natural radiation of traditional radiator. With the fans running SOFI® promotes rapid achievement of thermal comfort, with the fans off the heat is emanated by the plate of the radiator.



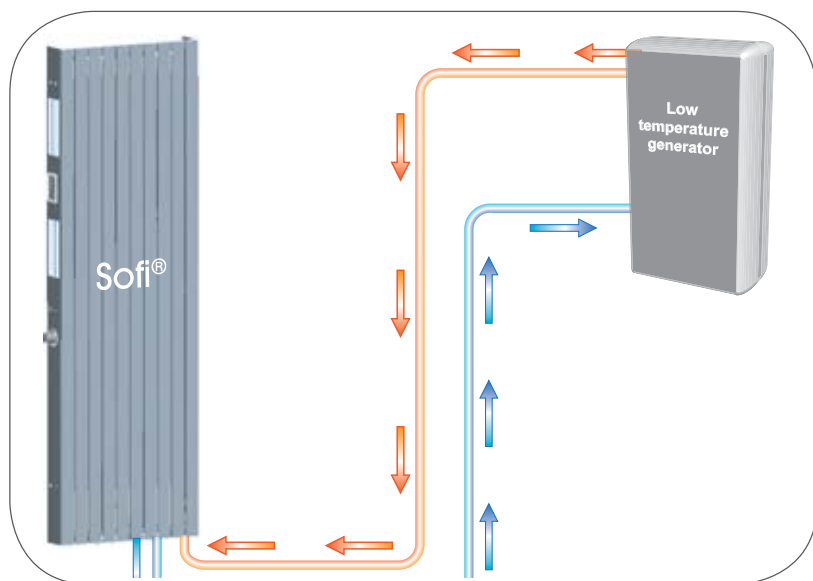
### HYDRONIC SYSTEM

Sofi® is particularly suitable for installations working at low temperatures, such as condensing boilers, heat pumps and solar thermal, allowing considerable energy and cost savings.

SOFI leverages the principle of hydronic systems which water is used as a heat transfer fluid to heat. The hydronic system therefore has less restrictions with substantial advantages in terms of energy saving.

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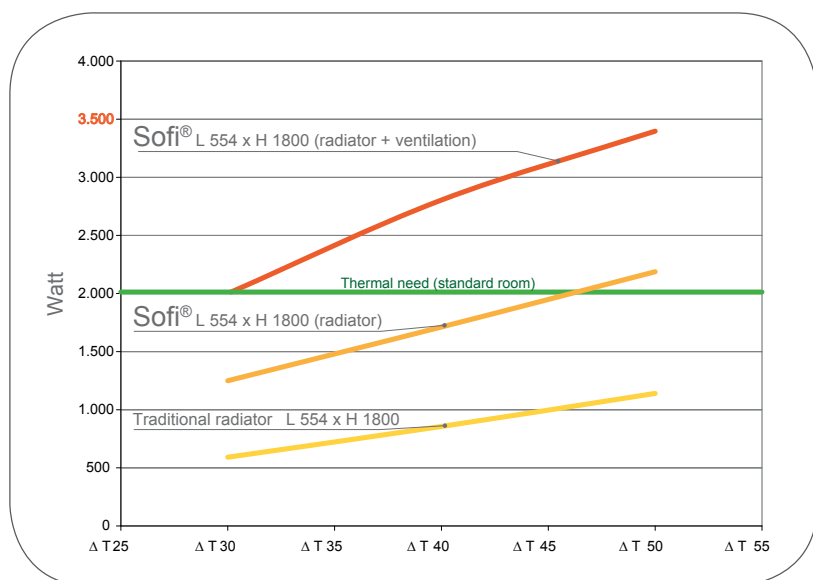
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### EFFICIENCY

Consume comparison chart between the ventilated radiator SOFI<sup>®</sup> and a floor heating system.

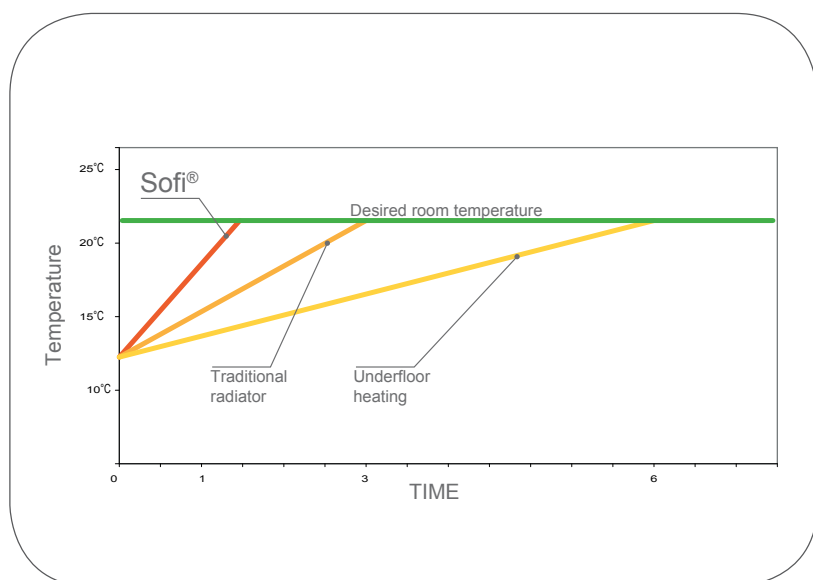
The SOFI<sup>®</sup> during periods when the House is uninhabited (holiday period or when you are at work) is not functioning and this translates into energy savings, returned home SOFI<sup>®</sup> quickly allows to recreate the perfect climate comfort, or through the control unit you can program the time of switch on, which will find you your House already warm. As can be seen from the chart instead the underfloor heating systems must be running continuously to ensure climate comfort, even when the House is vacant, with greater energy waste.



### OUTPUT

Comparison chart of thermal performance of a traditional radiator with our SOFI<sup>®</sup> with turned off fans.

As can be seen from the chart, with the same measurements also with the fans switched off, SOFI<sup>®</sup> has a longer performance compared to a traditional radiator, with the fans running SOFI<sup>®</sup> develops all its power reaching 3500 watt.



### IMMEDIATE COMFORT

Comparison chart of the time to reach the desired room temperature between the ventilated radiator SOFI<sup>®</sup>, traditional radiator and a underfloor heating system. An underfloor heating system to reach the ideal room temperature takes about 6 hours from its ignition, a traditional radiator takes about 3 hours, SOFI<sup>®</sup> allows to reach the ideal temperature in 1 hour, much faster than the traditional radiator and the underfloor heating system and in more versatile way, as the fans can be switched on and off whenever you need it.