



TECHNOLOGY BROCHURE

Electric DHW and heating systems

## **VITOTHERM / VITOPLANAR**

### **Electric systems for heating and DHW**

Everything you need to produce hot water, conveniently and efficiently, from a single source – Viessmann.



Viessmann's comprehensive range now also includes electric DHW and heating systems. This means users get everything from a single source: efficient energy systems for generating power on site, storing it and using it intelligently for heating, cooling and ventilation.

### Convenient DHW heating with Vitotherm

Vitotherm electric instantaneous water heaters are a good choice for DHW heating. These advanced, fully electronic appliances only consume electricity when hot water is actually needed.

### Decentralised or centralised solutions for heating with Vitoplanar

In newly built low energy and passive houses, it can make sense to install a Vitoplanar area heating system, in spite of the low energy demand. Vitoplanar products offer flexible application possibilities for modernisation projects.

### Intelligently combined heat generators

Electronic instantaneous water heaters and electric area heating systems in conjunction with heat pumps provide a sustainable boost to system efficiency.





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### 6 VITOTHERM INSTANTANEOUS WATER HEATERS WITH INTELLIGENT CONTROL

Innovative 4S technology offers many different applications for a convenient hot water supply.

### 8 VITOTHERM INSTANTANEOUS WATER HEATERS, IN A VERSATILE RANGE OF MODELS

With five versions of this fully electronic model available, including a mini instantaneous water heater, every requirement is met.

### 10 VITOTHERM WATER HEATERS – 5 TO 150 LITRES

These wall mounted water heaters are characterised by high temperature precision, guaranteeing simultaneous use at various draw-off points, and sufficient capacity for a luxurious bath as well.

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Which appliance is right for you? A table compares the appliances and suggests the best application areas for each.

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Decentralised heating of bathrooms, kitchens, hallways and much more.

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Electric heating mats generate heat directly, without the need for conventional pipework.

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Powerful infrared tubes for sheltered outdoor and indoor applications

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**Subsidies for  
the Vitotherm EI2**

Replace your old  
instantaneous water  
heater and get a €100  
subsidy.

# Vitotherm instantaneous water heaters with full electronic control for a convenient hot water supply

Viessmann has five Vitotherm instantaneous water heaters in its comprehensive range. These electronic appliances mainly differ with respect to their innovative "S" technology and meet the diverse requirements of a convenient hot water supply.

## **Vitotherm EI2 with 4S function**

The 4S function includes inlet/outlet temperature and flow sensors for continuous, automatic output adjustment. A processor-controlled motorised valve provides accurate, constant water temperature (30 to 60 °C) at the maximum flow rate.

## **€100 subsidy for the Vitotherm EI2**

Subsidies of up to €100 are available if you replace an old instantaneous water heater with an advanced Vitotherm EI2.

Everything you need to know about eligible appliances can be found at [foerderung-durchlauferhitzer.de](http://foerderung-durchlauferhitzer.de)

## **Vitotherm EI3 and EI4 with 3S function**

Vitotherm instantaneous water heaters with 3S function feature inlet and outlet temperature sensors and a flow sensor for continuous output adjustment. The electronically controlled heating output ensures the required temperature is maintained.

With an installation depth of just ten centimetres, the compact and space saving Vitotherm EI3 can be easily installed under a sink or hand basin.

## **Vitotherm EI6 with 2S function**

The 2S function consists of an inlet temperature sensor and a flow sensor with output adjustment. The electronically controlled heating output ensures the required temperature is maintained.

## **Vitotherm EI5 DHW convenience in a mini format**

The EI5 mini instantaneous water heater offers a hydraulically controlled and affordable supply of hot water to a hand basin. It is ideal for retrofitting for rooms or taps that are located outside the main hot water supply (e.g. guest toilets). It is also a perfect solution for an independent hot water supply.



Informative display on the Vitotherm EI2



## TAKE ADVANTAGE OF THESE BENEFITS

- + Broad range of models – suitable for any application
- + Comfort instantaneous water heaters for quick and efficient provision of hot water
- + Electronic instantaneous water heaters for precise water temperatures
- + Saving energy and water – only the currently required amount of water is heated
- + Efficient – short pipe runs for quick availability of DHW
- + Simple replacement for all common instantaneous water heaters
- + Easy fixing system with integral compensation for unevenness in the wall
- + Quick and straightforward installation
- + Insertion aid for the connecting cable
- + Comprehensive safety concepts
- + Selectable connected load for Vitotherm EI2, EI3 and EI4 instantaneous water heaters



**Vitotherm EI5**  
DHW convenience in a mini format

#### **Vitotherm EI2 – with large colour display**

The Vitotherm EI2 fully electronic instantaneous water heater with three selectable connected loads offers excellent DHW convenience. The 4S function\* includes wellness shower programs, eco functions, programmable memory functions and automatic water volume control.

The multifunction display shows the temperature, flow rate, energy consumption and time. If the water temperature exceeds 42 °C, the display illumination changes from blue to red as a warning that the water is too hot. The childproofing function, which takes effect at 43 °C, prevents unintentional adjustments.

Electronic air bubble detection ensures consistently high DHW convenience. The energy consumption and volume of water can be read from the consumption display.

The Vitotherm EI2 and EI4 are suitable for the use of preheated water or combination with solar thermal systems.

#### **Vitotherm EI4 – the all-rounder**

The Vitotherm EI4 electronically controlled instantaneous water heater is characterised by its variable temperature selection ranging from 30 to 55 °C and its three selectable output stages (18/21/24 kW). Permanent scald protection can be set to take effect at 43 °C.

#### **Vitotherm EI3 – particularly compact**

The Vitotherm EI3 electronic instantaneous water heater with 3S function\* is recommended for the kitchen. It delivers a water temperature that can be adjusted to the precise degree. The Vitotherm EI3 is suitable for preheated water up to 70 °C. This compact instantaneous water heater can be used to reheat water that has already been preheated to 55 °C. The appliance features a multi stage electronic safety concept and integral scald protection.

With an installation depth of just ten centimetres, this compact and space saving appliance can be easily installed under a sink or hand basin. The Vitotherm EI3 is secured directly to the wall through the back panel, for quick installation. The Vitotherm EI3 has two connected load options.

#### **Vitotherm EI6 – for property development**

The Vitotherm EI6 electronic instantaneous water heater with 2S function\*, with a three stage temperature selection switch with 30, 45 and 55 °C, ensures the required temperature for baths and showers at all times.

The Vitotherm EI6.A27 with 27 kW connected load is the ideal choice for property development, for example when replacing old appliances in apartment buildings and as part of modernisation projects. It can be installed remarkably quickly.

#### **Vitotherm EI5 – the mini format**

The EI5 mini instantaneous water heater offers an efficient, hydraulically controlled and affordable supply of hot water to a hand basin, making it the ideal solution for guest toilets. The appliance is available with 3.5, 5.7 and 6.5 kW output ratings.

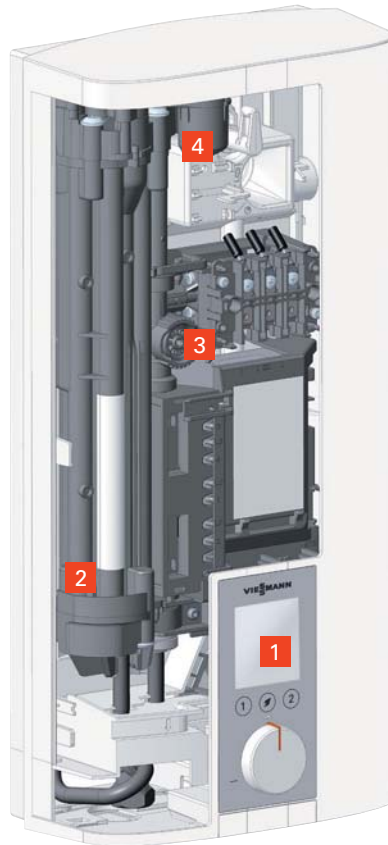
The heating output is hydraulically controlled for the Vitotherm EI5, with a flow switch and automatic flow meter. The appliance is suitable for undersink installation and for connection to commercially available taps.

\* "S" function – see page 7



**Easy to operate,  
economical in  
consumption**

Vitotherm electric instantaneous water heaters are characterised by their easy operation and high cost effectiveness.



**Vitotherm EI2**

- 1 Multifunction display
- 2 Bare wire heating system
- 3 Flow sensor
- 4 Motorised valve

The Vitotherm electric instantaneous water heaters have won an iF design award.



**Vitotherm EI2**  
The convenient, fully electronic solution



**Vitotherm EI4**  
The economical all-rounder



**Vitotherm EI6**  
Ideal for property development



**Vitotherm EI3**  
Particularly compact: only ten centimetres in depth



**Vitotherm EI5**  
Hydraulically controlled mini instantaneous water heater



5 litre water heaters under a sink or washbasin are a popular choice. Vitotherm ES2 and ES6 appliances are ideal for the kitchen and office.

# Vitotherm wall mounted water heaters make hot water available, quickly and efficiently

The Vitotherm range also includes wall mounted water heaters with a capacity of between 5 and 150 litres. They meet the DHW demand for the kitchen sink and provide the volume of water needed for a bath or shower.

Three adjustable eco functions make the Vitotherm EW4 a particularly efficient and economical choice:

### **ECO Balance saves energy when only a little water is drawn off**

This mode always offers the maximum volume of DHW and therefore the greatest convenience. In ECO Balance economy mode, the set temperature is automatically reduced from 85 to 60 °C after a week in which little water is drawn off.

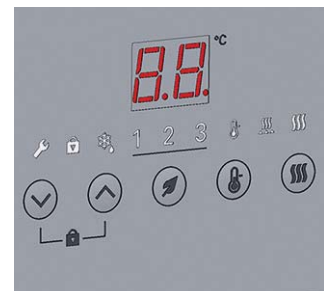
### **ECO Efficiency only warms the water above a particular draw-off rate**

This economy mode boosts energy savings, as the water is only heated after significant draw-off. In ECO Efficiency mode, the water heater automatically heats the water up to the set temperature of 60 °C if 40 percent of its content has been drawn off.

### **ECO Energetic adjusts to the draw-off pattern**

This economy mode offers maximum energy efficiency through intelligent, dynamic matching to the draw-off pattern. Once ECO Energetic mode is selected, the appliance analyses the draw-off times and volumes over the course of a week. The following week, it is then able to provide the right amounts of mixed water needed at the draw-off time.

The appliance learns from user behaviour and automatically adjusts the heat-up times. This economy mode is ideal when hot water is needed at the same times each week. If the draw-off times change, hot water is available the following week at the changed times. The set temperature is immediately set to 60 °C.



Backlit 7-segment display with the Vitotherm EW4

## TAKE ADVANTAGE OF THESE BENEFITS

- + Wall mounted water heater to ensure high hot water demands are met
- + Vitotherm EW4: six different water heater capacities (30 to 150 l) for a variety of requirements and applications
- + Vitotherm EW6: low cost alternative for open vented or sealed unvented operation; single circuit, dual circuit or DHW only mode; variable temperature setting from 20 to 80 °C
- + Can make use of a low or standard tariff
- + Efficient – short pipe runs for quick availability of DHW
- + Simultaneous supply of multiple draw-off points
- + Vitotherm ES2/ES4: power saving Thermostop function
- + Vitotherm ES2: anti-drip function to prevent taps dripping while the water heater is heating up
- + Quick and straightforward installation
- + Comprehensive safety concepts

**Vitotherm EW4**

DHW convenience in a large format with up to 150 litres of storage capacity

#### **Vitotherm EW4 and EW6 wall mounted water heaters with up to 150 litres capacity**

Vitotherm EW4 and EW6 wall mounted water heaters are designed for installation in bathrooms and utility rooms. With a cylinder volume of up to 150 litres, appliances with a capacity of 80 litres and above have sufficient reserves for a bath. Multiple draw-off points can also be supplied – for example a washbasin and shower at the same time. If there is a greater demand for hot water, the quick heat-up button is activated to meet requirements quickly.

The temperature is continuously and precisely adjustable to between 35 and 85 °C. The Vitotherm EW4 is equipped with an electronic keypad and a maintenance-free impressed current anode. The Vitotherm EW6 has a rotary selector and a magnesium anode. The appliances can be used in single circuit or dual circuit mode, for non-pressurised or pressurised operation.

#### **7-segment display indicates the operating status**

With the Vitotherm EW4, all standard settings are entered directly on the digital user interface and are retained. Furthermore, the backlit display shows the available volume of hot water, the energy consumption, the required temperature set at that time, and various values relating to the current operating status. The appliance has a childproofing function and, if there is a service issue, displays the fault.

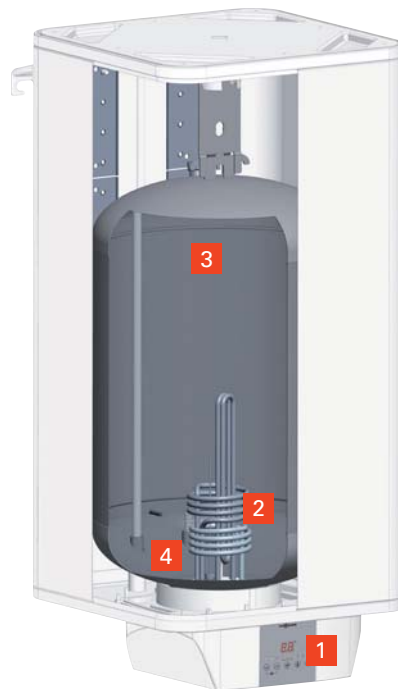
#### **Vitotherm ES2 and ES6 non-pressurised small water heaters**

With a cylinder volume of five litres, the Vitotherm ES2 and ES6 small electric water heaters are fast suppliers of hot water in kitchens and offices. The non-pressurised appliances with a 2 kW output simply require a 230 V socket for connection.

Both water heaters are equipped with the Thermostop function, which cuts electricity bills by approx. €30 a year. The ES2 model also features an anti-drip function which prevents water dripping when it is being heated up. Besides reducing water consumption, this also prevents limescale deposits. Both appliances use very little standby energy.

**Large cylinder capacities for baths and showers**

With up to 150 litres in capacity, these wall mounted water heaters facilitate luxurious soaks and long showers.



**VITOTHERM EW4**

- 1 7-segment display
- 2 Heating coil
- 3 Enamelled cylinder body
- 4 Impressed current anode

**WALL MOUNTED WATER HEATERS**



**Vitotherm EW4**  
With maintenance-free impressed current anode and self-learning PCB



**Vitotherm EW6**  
With protective magnesium anode and variable temperature setting via rotary selector

**SMALL WATER HEATERS**







**Vitotherm ES2, ES6**  
With a cylinder capacity of five litres, also available with anti-drip function



**Vitotherm EI3**  
Compact instantaneous water heater from 11 to 13.5 kW

Instantaneous water heater or wall mounted water heater?  
The right solution – with Vitotherm from Viessmann!

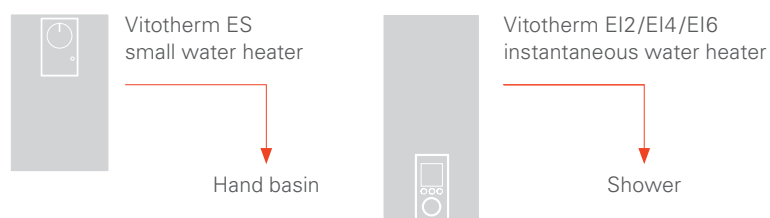
# Overview and help with appliance selection

	Vitotherm EI2, EI4 and EI6 comfort instantaneous water heaters	Vitotherm EI3 compact instantaneous water heater	Vitotherm EI5 mini instantaneous water heater	Vitotherm EW4 and EW6 wall mounted water heaters	Vitotherm ES2 and ES6 small water heaters
					
Rated output	18 to 27 kW	11 to 13.5 kW	3.5 to 6.5 kW	2 to 6 kW	2 kW
Nominal capacity	–	–	–	30 to 150 litres	5 litres
Power supply	400 V	400 V	230 / 400 V	230 / 400 V	230 V
Energy efficiency class	A	A	A	EW4: A (A30) B (A50/80) EW6: B (A30), C (A80/100/120/150)	A
Individual supply	+	+	+	+	+
Group supply	+	–	–	+	–
Hand basin	+	+	+	+	+
Kitchen sink	+	+	–	+	+
Bath	+	–	–	+	–
Shower	+	–	–	+	–
Voltage	400 V*	400 V*	230 / 400 V*	230 / 400 V*	230 V*

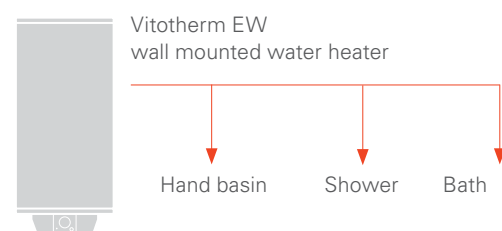
\* Qualified electrician required

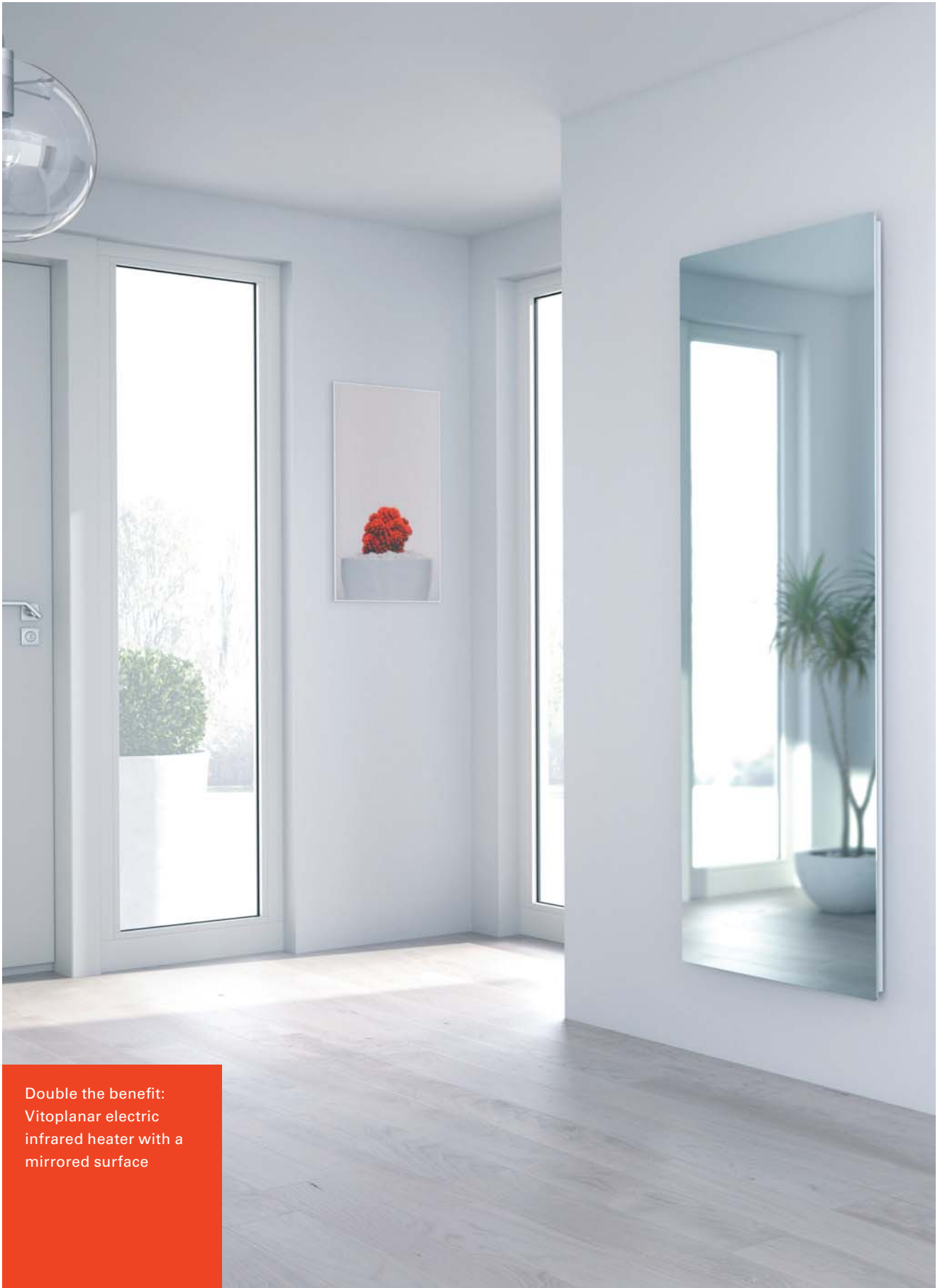
## SAMPLE APPLICATIONS

### Individual supply



### Group supply





Double the benefit:  
Vitoplanar electric  
infrared heater with a  
mirrored surface



## Vitoplanar infrared heaters, convectors and area heating systems

There are a wide variety of applications for electric heating systems: for example, in the kitchen or bathroom during the spring/autumn, when it is not yet worth switching on the central heating. Likewise in conservatories and garages, which may occasionally be used as a workspace for hobbies. Electric heating systems are a good choice when modernising older buildings and also in new build. In the case of the latter, they can even serve as an economical sole heater, depending on the insulation value of the building envelope.

### **Vitoplanar from Viessmann – efficient and reliable**

Vitoplanar systems are efficient and reliable. Amongst their key features are the consistently high radiant effect, two temperature limiters for a high level of safety, insulated backing for maximum radiation to the front, maintenance-free technology with no magnetic field and, last but not least, flexible installation options.

### **Quick and individual design**

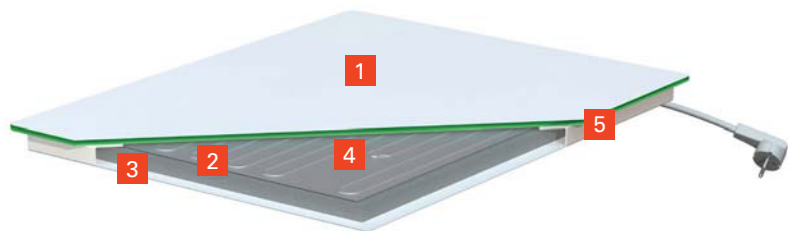
Our online planning tool for the individual design of electric heating projects brings results in a few simple steps. Test it now at

[www.viessmann.de/e-planer](http://www.viessmann.de/e-planer)



#### **Vitoplanar EI3**

Electric wall convector with a radiant surface made from glass



Cross-sectional image of Vitoplanar infrared heater

- 1** Thermally toughened safety glass
- 2** Durable heating conductor technology
- 3** High quality insulation
- 4** High limit safety cut-out
- 5** Steel frame

### **TAKE ADVANTAGE OF THESE BENEFITS**

- + Decentralised heating of bathrooms, kitchens, hallways and buildings in temporary use
- + Suitable for new build and modernisation projects
- + Rapid and highly convenient heating at the press of a button
- + Quick and straightforward installation
- + Numerous sizes and output ratings
- + Kits containing all necessary components
- + Low investment costs for electric underfloor heating
- + No maintenance required
- + Low heat losses

### Pleasant and evenly distributed infrared heat

Many of us are very familiar with infrared rays from the field of medicine. They are used to warm the body pleasantly before a massage, for example. And infrared lamps are a popular choice in the home for alleviating the symptoms of a cold.

However, this radiated heat can also be used for heating. The infrared heaters developed for this achieve their full effect when the radiation meets objects and people in the building. The energy is then evenly released again to the living space.

### Economical modernisation

Infrared heaters are frequently an alternative to traditional radiators. Replacing outdated night storage heaters – of which there are half a million in Germany alone, according to recent figures – with modern, slimline infrared heaters, is a possible solution in modernisation projects, for example. The power connection is already in place and there is no need for the costly installation of heating pipes, a domestic natural gas connection or investment in a conventional heating system.

### Sole heater in well insulated new build

Infrared heaters can be a useful complement to a heat pump in new builds. They can even serve as the sole heater in well insulated homes and use up to 90 % less space in the boiler room compared to conventional heating systems.



**Vitoplanar EC4**  
Wall convector

### Electric bathroom radiators

One of the features of electric bathroom radiators is the fact that they are not connected to the main heating system. They work independently of an existing boiler, for example. They are quick to install and commission as they only require a power supply. In contrast to typical bathroom radiators, they do not have heating water flowing through them. Instead, electric bathroom radiators have built-in heating cartridges to ensure that they heat up very quickly.

### Reasons to operate bathroom radiators electrically

In addition to quick commissioning as mentioned above, there are even more reasons to operate bathroom radiators electrically. Their low purchase and installation costs are real selling points. No major building work has to be carried out for the installation of electric bathroom radiators either, which makes them ideal for retrofitting. Bathrooms in existing buildings can therefore be quickly and cost-effectively transformed into oases of wellbeing that match the thermal comfort of bathrooms in new buildings.



**Vitoplanar E13**  
Bathroom radiator – infrared heater with a radiant surface made from glass, white

### Broad range of options

Furthermore, electric radiators can be used in the bathroom in many different ways. Whether as radiant heaters, towel holders or infrared heaters: these bathroom appliances are available in many designs and output stages. They can work equally well as a supplementary heater in a large bathroom or a sole heater in a rarely used guest toilet. Last but not least, electric bathroom radiators can enhance the room in many ways, as in the case of mirror heaters, for example.

**Vitoplanar EI2 DI –  
add your own design**

The glass front of a Vitoplanar infrared heater is a blank canvas for your creativity. It can be printed with your choice of design – a company logo, holiday snap or family photo. Let your creativity flow! The heating panel can also be installed vertically or horizontally. With outputs from 180 to 700 W, the Vitoplanar EI2 DI is available in four sizes.

The design is taken from a photo file. For a clear image, the file size should be at least 5 MB and have a resolution of 300 dpi. On the largest panel with 700 W output, the picture then measures 160 x 63 cm.

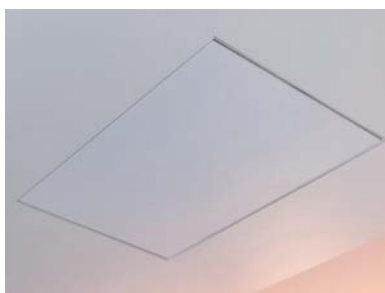
**PRODUCT FEATURES**

- Output: 180 to 700 W
- Surface temperature: max. 70 °C
- Rated voltage: 230 V
- Connection: cable with standard plug, 1 m
- Surface: 6 mm safety glass
- Appliance/installation depth: 30/61 mm
- Service-free and maintenance-free
- No magnetic field



**Vitoplanar EI2 DI**

Design version: infrared heater with customisable radiant surface made of glass for wall mounting



**Vitoplanar EI6 E –  
almost invisible**

The Vitoplanar EI6 E infrared panel is only noticeable when in operation. With the highest radiation efficiency, this infrared heater emits heat efficiently without wasting energy. Installed flush with walls and ceilings, the heater is very inconspicuous. It can be controlled with a hardwired connection or remotely.

**PRODUCT FEATURES**

- Output: 350 to 750 W
- Surface temperature: max. 120 °C
- Connection: cable without plug, 1 m
- Flush installation in plasterboard, concrete or wooden ceilings/walls
- Mounting frame with click system
- Control: hardwired/wireless
- Service-free and maintenance-free
- No magnetic field

**Vitoplanar rapid heaters**

On cool days there are often times when heat is required quickly. A room may have cooled down a little after the occupants have left, or perhaps a newborn baby needs a nappy change. In such cases, a rapid heater is the appliance of choice.

As the name suggests, a rapid heater supplies the room with the required warmth in only a few seconds. It is also very compact and can be placed practically anywhere where there is a power connection. Once connected and switched on, it supplies the room with the right level of heat in next to no time. This rapid heating is possible mainly due to the way the fan heaters work.



**Vitoplanar EQ4P**  
Rapid electric heater

## Overview and help with appliance selection

### PRACTICAL ACCESSORIES







Vitoplanar wireless room thermostat



Vitoplanar wireless receiver for connection to the Vitoplanar wireless room thermostat



Vitoplanar switch mounting thermostat with touchscreen (hardwired solution)

Vitoplanar	Infrared heater			
	EI2 A1000GW A1500GW	EI2 A500/750/ 1000M	EI2 A180/350/ 500/700DI	EI2 A350/500/ 700B
				
<b>RATED OUTPUT</b>				
180 W	-	-	+	-
250 W	-	-	-	-
350 W	-	-	+	+
500 W	-	+	+	+
700 W	-	-	+	+
750 W	-	+	-	-
1000 W	+	+	-	-
1500 W	+	-	-	-
2000 W	-	-	-	-
<b>PRODUCT FEATURES</b>				
Infrared/convection	+ / +	+ / -	+ / +	+ / -
Surface	Glass, white	Glass, mirrored	Glass, individual design	Glass, mirrored
Wall mounting	Horizontal	Horizontal/ vertical	Horizontal/ vertical	Vertical
Ceiling mounting	-	-	-	-
Connecting cable 1.5 m 1 m, 3 x 1.5 mm <sup>2</sup> 0.9 m	- Plug -	- Plug -	- Plug -	- Plug -
Plug & play box with on/off	+	+	+	+
<b>ACCESSORIES (OPTIONAL)</b>				
Vitoplanar switch mounting thermostat (with touchscreen), wired	+	+	+	+
Vitoplanar wireless receiver	+	+	+	+
Vitoplanar wireless room thermostat	+	+	+	+

					Rapid heater	Wall convector
EI3	EI3	EI5	EI6	EI6	EQ4P	EC4
A500/750/ 1000GW	A350/500 700B	A250/500/ 750/1000S	A350/500/ 750/1000SDM	A350/500/ 750/1000E	A2000	A500/1000/ 1500/2000S
						
-	-	-	-	-	-	-
-	-	+	-	-	-	-
-	+	-	+	+	-	-
+	+	+	+	+	-	+
-	+	-	-	-	-	-
+	-	+	+	+	-	-
+	-	+	+	+	-	+
-	-	-	-	-	-	+
-	-	-	-	-	+	+
+/ -	+/ -	+/ -	+/ -	+/ -	Rapid heater	- / +
Glass, white	Glass, white	Steel, white (RAL 9016)	Steel, white (RAL 9016)	Steel, white (RAL 9016)	Special plastic, white/ grey	Steel/ white
Horizontal/ vertical	Vertical	Horizontal/ vertical	Horizontal/ vertical	Horizontal/ vertical	Vertical	Horizontal
-	-	-	+	+	-	-
- Plug	- Plug	- Plug	- Without plug	- Without plug	Plug/LCD/prog. unit	Electronic prog. unit
-	-	-	-	-	-	- Without plug
+	+	+	-	-	-	-
+	+	+	+	+	-	-
+	+	+	+	+	-	-
+	+	+	+	+	-	-

## For parquet/laminate flooring, ceramic floors



Parquet and laminate are laid directly on the Vitoplanar EF3 heating mat.

Electric heating mats are a luxury feature in new build. Heat is generated directly, without the need for conventional pipework. Besides their use in new build, they are also recommended for retrofitting in renovation and modernisation projects. Heating mats provide pleasant warmth underfoot in bathrooms and kitchens, in particular during spring/autumn.

### Fully fledged heating for low energy and passive houses

In low energy and passive houses, electric area heating systems are also an alternative to conventional boilers, due to their low energy demand for heating.

### Minimal installed height – ideal for laminate and parquet

The heating mats, being 1.3 millimetres thick, are also suitable for laying under laminate and parquet flooring. They are the ideal solution in an apartment renovation when conventional underfloor heating is opted for instead of renewing the screed. The mats are laid as a floating substrate and are quickly and easily installed with

just one connecting cable. They can be flexibly adapted to the size of each room thanks to their different outputs and sizes. They are also available in a kit with a controller and accessories.

### Vitoplanar EF2 – for tiles and ceramic floor coverings

- 160 W/m<sup>2</sup> (standard)
- 160 to 1120 W (1 to 7 m<sup>2</sup>)
- Self-adhesive mesh heating mat
- Ideal for modernisation projects or new build (just 2.7 mm high)
- Suitable for open showers
- Only one connecting cable (two-core)
- Low magnetic field operation (< 25 nT)

### Vitoplanar EF2 – accessories included in kit

- 160 W/m<sup>2</sup>
- Included in the kit:
  - Pre-assembled heating mat
  - Conduit
  - Floor sensor
  - Sensor well
  - eTouch eco controller for the room or floor temperature, self-learning (e.g. seven-day program)

### Vitoplanar EF3 – for parquet and laminate floorings

- 120 W/m<sup>2</sup> (standard)
- 120 to 840 W (1 to 7 m<sup>2</sup>)
- Floating installation on screed
- Ideal for modernisation projects (only 1.3 mm high)
- Only one connecting cable (two-core)
- Low magnetic field operation (< 25 nT)

### Vitoplanar EF3 – accessories included in kit

- 120 W/m<sup>2</sup> (7 m<sup>2</sup>)
- Included in the kit:
  - Pre-assembled heating mat
  - Conduit
  - Floor sensor
  - Sensor well
  - eTouch eco controller for the room or floor temperature, self-learning (e.g. seven-day program)
- Further features as per the Vitoplanar EF3

### Quick and individual design

Our online planning tool for the individual design of electric heating projects brings results in a few simple steps. Test it now at

[www.viessmann.de/e-planer](http://www.viessmann.de/e-planer)

**Vitoplanar – in a kit complete with accessories**



The electric heating mats are also available in a kit with a pre-assembled heating mat, controller and connecting cable.

**Vitoplanar EF2**  
for ceramic floors



**Vitoplanar EF3**  
Electric area heating system  
for parquet and laminate  
floors



		Installed height	Output	Only 1 connecting cable	For wet rooms	For modernisation projects	For new build	Under tiles, stone and marble	In screed	Floating beneath laminate and parquet
	<b>Vitoplanar EF2</b>	2.7 mm	160 W/m <sup>2</sup>	+	+	+	+	+	-	-
	<b>Vitoplanar EF3</b>	1.3 mm	120 W/m <sup>2</sup>	+	-	+	+	-	-	+

## Flexible solution for private or commercial use



**Vitoplanar EG**  
Electric infrared heater

### Heat for many application areas

Whether for private use on your patio, enjoying a meal outdoors at a restaurant, in warehouses or commercial premises:

Vitoplanar infrared heaters create specific zones of cosy warmth in many areas. Simple installation and flexible control are further impressive benefits.

### Instant warmth – pleasant and safe

Vitoplanar infrared heaters combine infrared heat and the latest technology. As soon as they are switched on, pleasant warmth is produced without a heat-up phase. Thanks to short-wave infrared radiation, the heat passes through the air unimpeded and heats surfaces, objects and people – regardless of air temperature or even wind. In addition, the infrared heaters work very efficiently, are environmentally responsible and also safe, as they do not have an open flame and therefore no CO<sub>2</sub> emissions are produced.

The Vitoplanar EG range of electric infrared heaters includes three appliances with different features:

#### **Vitoplanar EG2.A2 \_ 500B and EG2.A2000D premium infrared heaters**

- Dimmer module for remote control
- Bluetooth dimmer module for operation via app
- Casing colour: anthracite, white
- Output levels: 2500 W (B = Bright), 2000 W (D = Dimmed)

#### **Vitoplanar EG3.A2000B and EG3.B1400B modular infrared heaters**

- Dimmer and Bluetooth module for switching output between 33, 66 and 100 % (accessories)
- Weatherproof IP 44 casing (e.g. for use in sheltered outdoor areas such as patios)
- Casing colour: anthracite, white
- Output levels: 2000 W (B), 1400 W (B)

#### **Vitoplanar EG5.A2000B and EG5.A1400B basic infrared heaters**

- Casing colour: white
- Output levels: 2000 W (B), 1400 W (B)

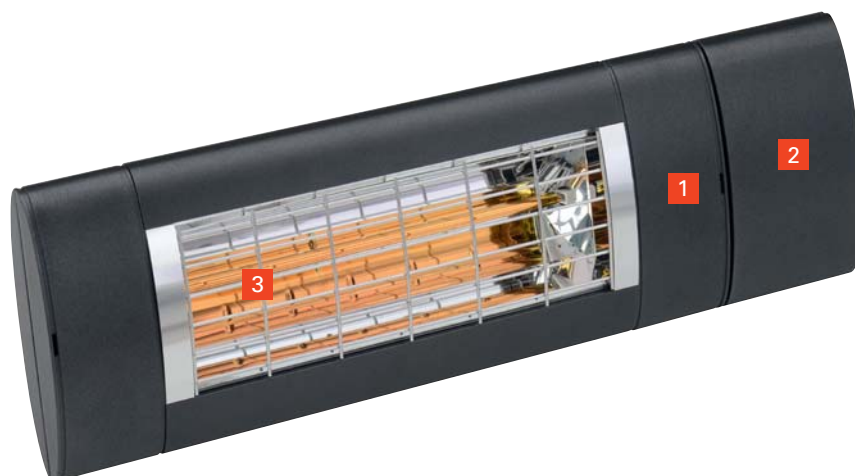
### TAKE ADVANTAGE OF THESE BENEFITS

- + Quick-clamping system for straightforward installation
- + Various installation options (wall/ceiling bracket)
- + TÜV-certified
- + Durable and particularly powerful infrared heating tubes
- + Dimmer and wireless modules for output regulation and control
- + For applications in sheltered outdoor areas (e.g. balconies and patios)
- + For use indoors (Vitoplanar EG2.A2000D, e.g. conservatories)
- + Ideal for operation with power generated on site (photovoltaic system, fuel cell heating appliance)



**VITOPLANAR EG3**

- 1** Weatherproof IP 44 casing
- 2** Dimmer and wireless module for output switching and remote control of the heater
- 3** Low glare heating element for reduced residual light



**Note**

Infrared heaters can also be designed with the Viessmann E-Planner 2.0 planning tool for electric underfloor and infrared heating systems.



**Vitoplanar EG2.A2500B and Vitoplanar EG2.A2000D**

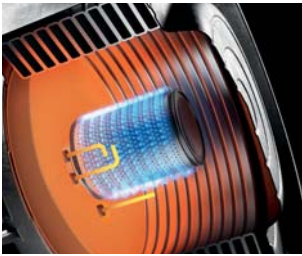
Premium infrared heaters with integral dimmer and Bluetooth module

**Vitoplanar EG3.A1400B and Vitoplanar EG3.A2000B**

Modular infrared heaters with optional accessories

**Vitoplanar EG5.A1400B and Vitoplanar EG5.A2000B**

Basic infrared modules without accessories



A milestone in heating technology: the MatrixX-Plus burner

Viessmann is experiencing an ongoing transformation, from a manufacturer of heating equipment into a provider of solutions for the complete living space. The company develops seamless climate solutions that consistently ensure an optimum room temperature and supply of DHW, electricity and good air quality for indoor environments. In its integrated range of solutions, Viessmann optimally combines products and systems based on the right energy sources across platforms and digital services. There are also numerous value added services. Wherever technically possible, Viessmann is already utilising renewable sources, and in all other cases, fossil fuels are used to maximum efficiency.

The family business, founded in 1917, takes the long view and places great value on acting responsibly. Sustainability is firmly enshrined in the company's values and is evident in the predominant company slogan: "We create living spaces for generations to come". Creating living spaces for generations to come is the responsibility of the Viessmann family with 12,300 members worldwide.



Number 1 Trade Partner for the 15th consecutive time

VIESSMANN'S INTEGRATED RANGE OF SOLUTIONS				
Value added services	VIESSMANN WÄRME	VIESSMANN VISHARE	FörderProfi	...
Digital services	ViCare	Vitoguide		...
Connectivity / platforms	Connectivity Inside	Vitoconnect	Wbutler	GridBox
Products / systems	[Icons representing various heating and energy products]			

Seamless integration of products and systems with digital services and value added services for system users and trade partners



We create living spaces for generations to come.

**Practical partnership**

As part of its comprehensive range, Viessmann also offers a wide selection of complementary services. These services include a comprehensive training and further development programme for trade partners at the well equipped training facilities of the Viessmann Academy.

With its new digital services, Viessmann offers innovative solutions such as the operation and monitoring of heating systems by smartphone. Users benefit from greater reassurance and convenience, whilst contractors can keep a constant eye on the systems for which they are responsible.



Viessmann is a leading international manufacturer of efficient energy systems.

#### VISSMANN GROUP IN FIGURES

1917

— Viessmann was founded

12,300

— employees

2.65

— Group turnover in billions of euros

56

— export share in percent

22

— production companies in 12 countries

68

— sales offices in 31 countries

120

— sales companies worldwide



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