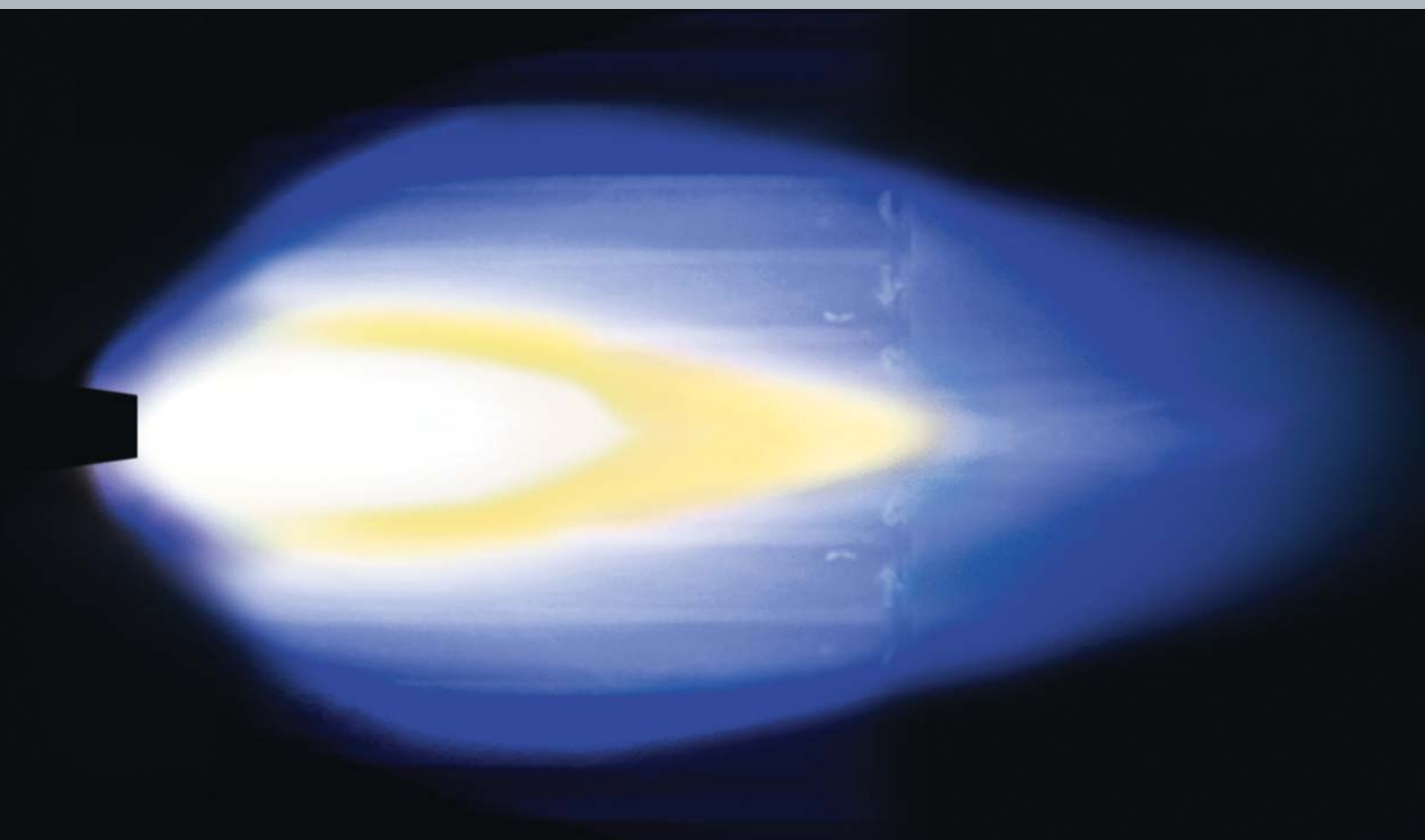


Heating with oil



Heating systems ◀

Industrial systems

Refrigeration systems

**VIESSMANN**

## Heating with oil – technology with up to 98 percent efficiency

On the following pages you will find extensive information about the various technologies available to you to generate heat conveniently using oil.

By using a Viessmann condensing boiler to convert fuel oil into heat, you are making an active contribution towards using resources efficiently and saving energy, thanks to the boiler's unbeatably high efficiency of 98 percent\*.

Our oil condensing boilers come with the future built in. They are designed to accommodate a changeover from fossil oil to fuel oil mixed with a certain percentage of bio-oil, which means that they can be run partially on renewables.

You can even use free solar energy with your new heating system. All boilers are designed for combination with Viessmann solar technology. Viessmann system technology guarantees that everything will fit together beautifully and work in harmony, putting you in control and meeting your every demand.

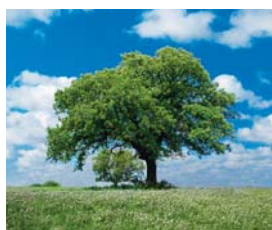
\*Relative to the gross calorific value ( $H_g$ )





## About this brochure

The Viessmann oil boiler range will meet your every demand for an efficient and economical heating system. This brochure contains information about our current boilers and plenty of other facts about accessories, service, subsidies and finance packages.



### Saving energy and protecting the climate

from page 6

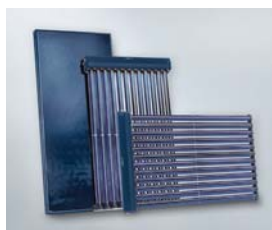
Find out why it is worth modernising your heating system now, so you can make an active contribution towards protecting the climate and use less fossil fuel.



### Vitoladens and Vitorondens oil condensing technology

from page 12

The oil condensing boilers from the Vitoladens series offer the best energy utilisation with the most economical consumption.



### A perfect match – system design

from page 38

Viessmann system technology includes all the elements of a reliable heating system: the Vitotronic control unit, the Vitocell DHW cylinder for highly convenient hot water supply, high grade solar technology for cost effective central heating backup and photovoltaic modules for generating power.



### Vitaset – the complete accessories range

from page 50

You can trust Viessmann quality when it comes to accessories, too. Our Vitaset range includes a wide selection of fuel oil tanks, radiators, thermostatic valves, and much more.



### With our trade partners, you're in good hands

from page 54

Make the most of our trade partners. They will tell you all you need to know about tailor-made heating technology, available subsidies and finance options, without obligation and free of charge.





## Saving energy and protecting the climate

Viessmann is aware of its responsibilities towards the sustained protection of the environment. Our company philosophy and products have been constructed with this duty in mind.



"Nothing is so good that it cannot be improved". This motto is also reflected in our company principles. In its industry, Viessmann can rightfully claim to be the leader in quality and technology, and as such, aims to continually set new standards.

This applies, in particular, to the company's product range, which is consistently geared towards significantly lowering the consumption of fossil fuels and gradually replacing them with renewable sources of energy.

At around 40 percent, the heating market actually accounts for the largest proportion of energy consumption in Germany. The rest is shared by freight, personal transport and power generation, each accounting for 20 percent. These values can also be applied approximately to other industrial countries. Ever-rising energy costs mean that the emphasis is on reducing the consumption of fossil fuels as quickly as possible.

### Condensing technology offers the greatest energy efficiency

Taking the overall investment and current energy prices into consideration, condensing technology is the most economical alternative. Viessmann oil condensing boilers convert up to 98 percent of the fuel oil used into heat. At the same time, condensing technology is also futureproof, as biofuels such as bio-oil can already be added.

This is why you should invest today in advanced condensing technology. The savings you can make are considerable. It is probably the most effective contribution you could make towards the sustained protection of the climate by preventing unnecessary CO<sub>2</sub> emissions.

Viessmann offers you energy efficient heating systems for oil, gas, solar, biomass, air and geothermal heat. The pictograms will help to guide you.

# Key facts

## Good reasons for modernising your heating system and using efficient oil condensing technology

In Germany alone, there are still around two million heating systems in use which are over 25 years old. Their owners are often completely unaware of how much money they are wasting on energy, which is lost through the chimney as unused heat. Furthermore, these old systems have an impact on our climate through unnecessary CO<sub>2</sub> emissions which contribute to global warming.

### **Saving energy**

By promptly replacing these systems with highly efficient condensing boilers combined with solar technology, end users could cut their energy consumption by up to 25 percent. This would translate into ten percent of Germany's total energy needs, with annual CO<sub>2</sub> emissions being reduced by 54 million tonnes at the same time.

### **Central heating backup with solar energy**

The free energy delivered by the sun is still not used enough for central heating backup and DHW heating. When modernising, you should consider combining your new heating system or boiler with a solar thermal system. These systems are subsidised by public grants, and will only take a few years to pay for themselves because of the large amount of energy they save.

### **How to save with condensing technology**

With condensing technology, not only is the heat from the combustion of fuel oil or gas utilised, but also the heat that, with non-condensing heating technology, would otherwise escape unused up the chimney.

Condensing boilers extract almost all of the heat contained in the flue gases and convert it into additional heating energy. To do this, Viessmann condensing boilers are equipped with stainless steel Inox-Radial heat exchangers, which cool the flue gases before they are routed into the stack, to the extent that the water vapour contained within them is deliberately condensed, transferring the additional heat released into the heating system.

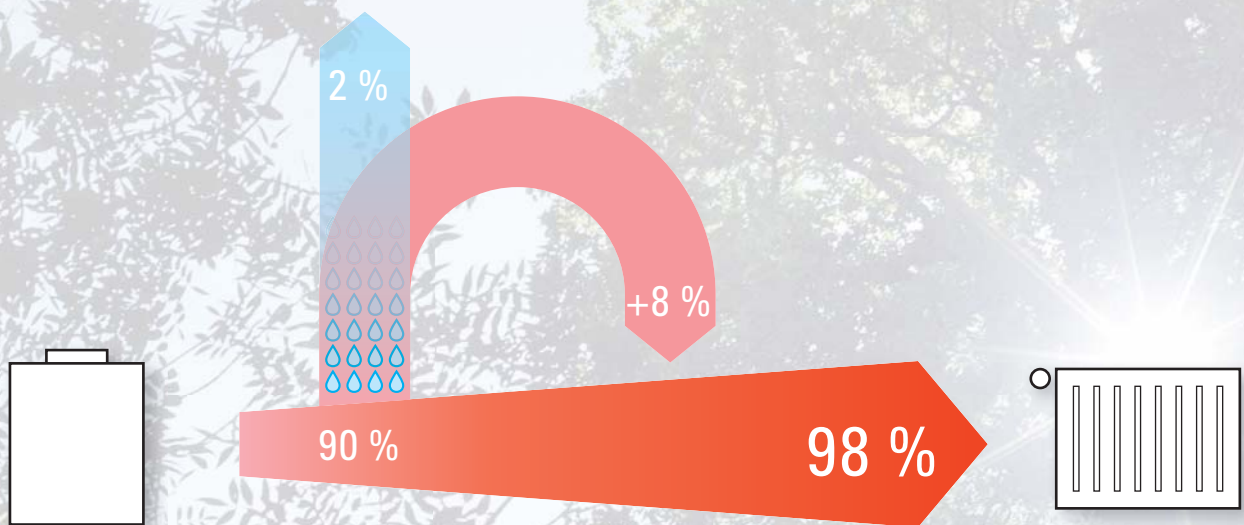
With this technology, condensing boilers achieve a standard seasonal efficiency [to DIN] of up to 98 percent, and so are particularly energy efficient. This function not only saves valuable energy, but also protects the environment through significantly reduced CO<sub>2</sub> emissions.



Efficient Viessmann oil condensing boilers work economically and thus protect the environment.



More effective, more economical with lower emissions – advanced oil condensing technology from Viessmann



#### How condensing technology works:

Viessmann boilers with condensing technology achieve efficiency of up to 98 percent (relative to  $H_g$  [gross cv]). Through the condensation of the water vapour contained in the flue gas, additional heat is extracted from the flue gas and returned to the heating system. This increases efficiency, lowers your heating bills and reduces the environmental impact.





## Viessmann sets standards

Over the 90 plus years that Viessmann has been in business, the company has regularly set milestones in the development of advanced heating technology.

Viessmann has been the pacemaker in the heating technology industry for decades. Through continual innovation, the efficiency achieved when converting energy into heat has been increased to the limit of that which is currently technically possible. At the same time, we have been able to drastically reduce the levels of energy consumption and CO<sub>2</sub> emissions of our boilers.

### The biferral composite heating surface

The invention of the duplex biferral composite heating surface in the 1970s was a quantum leap for energy efficient heating. Even today it is synonymous with high operational reliability and a long service life. This heating surface remains an important component of the successful Vitola range of oil boilers, and has now been integrated into around two million Viessmann boilers.

### Inox-Radial heat exchanger

All Viessmann oil condensing boilers are now equipped with the stainless steel Inox-Radial heat exchanger. This indestructible technology brings with it an extremely high 98 percent efficiency and exceptionally safe and efficient operation during its long service life. Oil condensing boilers are already designed to meet future standards, as they can be fired with different types of fuel oil and partial mixtures of bio-oil.

In the Vitoladens 300-C oil condensing boiler, the benefits of the biferral composite heating surface have been combined with a directly connected stainless steel Inox-Radial heat exchanger. This combines high levels of efficiency with a compact and appealing design to satisfy modern demands.



### Award-winning design

At Viessmann, top technology and an attractive design go hand in hand. The company has received more than 40 significant design awards from all over the world for its products in recent years. Viessmann heat generators have won the renowned red dot design award twenty times.



Highly efficient technology made in Germany, in an award-winning design: The Vitoladens 300-C won the red dot design award in 2007.

## 10-year guarantee\*

on stainless steel heat exchangers for oil or gas condensing boilers up to 150 kW

\* For conditions and product overview, see [www.viessmann.de/garantie](http://www.viessmann.de/garantie)

A milestone in innovative heating technology: the use of high-alloyed stainless steel. Applied here in our Inox-Radial heat exchanger.



Oil condensing  
technology



# VITOLADENS VITORONDENS

You can contemplate ways to make your heating system futureproof – or simply switch to the future right now.

With Viessmann oil condensing technology, the heating technology of tomorrow is already available today. With its efficiency of 98 percent, oil condensing technology will remain one of the most economical and cleanest ways to generate heat. Through the condensation of the hot gases, latent heat is recovered which is normally wasted by conventional boilers.

## With the Vitoladens or Vitorondens, you're doing everything right

By choosing an oil condensing boiler, you'll always be on the safe side. There are plenty of good reasons for choosing this type of boiler:

- Highly reliable
- Long service life
- Convenient DHW and central heating
- Cost savings through economical energy consumption
- A perfect match for solar thermal technology
- Sustainability through the proportional use of bio-oil



### Vitoladens 300-C

Oil condensing boiler  
10.3 to 28.9 kW

**Page 14**



### Vitoladens 300-T

Oil condensing boiler  
35.4 to 53.7 kW

**Page 18**



### Vitorondens 200-T

Oil condensing boiler  
20.2 to 107.3 kW

### Vitorondens 222-F

Oil condensing storage combi boiler with DHW cylinder  
20.2 to 28.9 kW

**Page 22**



### Vitoladens 300-W

Wall mounted oil condensing boiler  
10.3 to 23.5 kW

### Vitoladens 333-F

Oil condensing storage combi boiler with a 130 litre DHW cylinder  
10.3 to 23.5 kW

**Page 26**



### Vitosolar 300-F

Storage combi boiler for solar DHW heating and central heating backup  
10.3 to 23.5 kW

**Page 30**

Oil condensing  
technology

Vitoladens 300-C





# VITOLADENS 300-C

Oil condensing technology with an outstanding price/performance ratio, extremely compact and ideal for modernisation.

Investing in a Vitoladens 300-C pays off in only a few years thanks to the reduced annual consumption of costly fuel oil. It uses far less fuel oil than older boilers on account of its high efficiency. Its design has won the red dot design award.

Thanks to compact assemblies, it takes up a minimum amount of space and can be operated in open flue or room sealed mode. Its compact dimensions mean that it fits in a basement room or utility room. This makes it ideal when modernising heating systems. In new build, valuable space can be used for other purposes.

## **Can also be combined with solar technology**

An advanced heating system should include innovative solar thermal technology to utilise free energy from the sun. Viessmann offers you a system for this which is optimally matched to the Vitoladens 300-C.

## **Powerful and efficient**

With three output stages up to 28.9 kW, the oil condensing boiler is suitable for detached or two-family houses. The two-stage or modulating Compact blue flame burner with integral silencer matches its output to the heat demand, ensuring maximum energy efficiency. The technology is designed for use with all commercially available types of fuel oil.



The "Design Zentrum Nordrhein-Westfalen" bestowed the prestigious red dot award on the Vitoladens 300-C for its design.

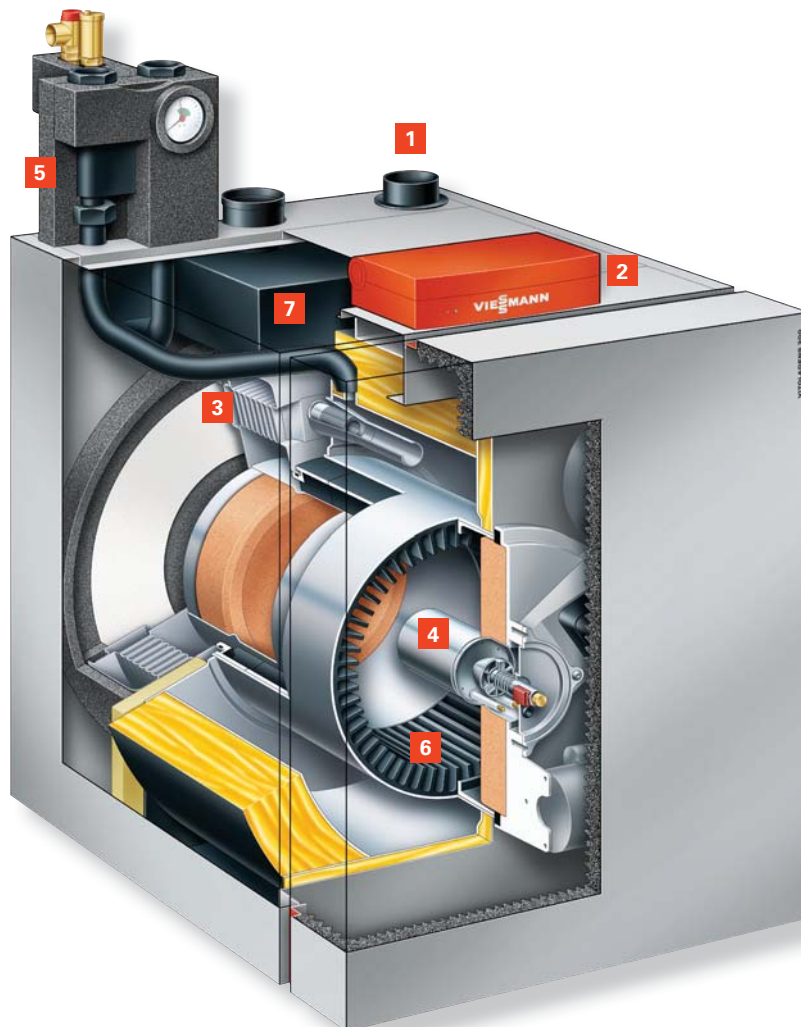


A stainless steel Inox-Radial heat exchanger guarantees the highest levels of efficiency and a long service life.

#### Highly effective heat exchanger

At the core of this condensing boiler lies a corrosion-resistant stainless steel Inox-Radial heat exchanger. In direct connection with the biferral composite heating surface, the energy used is converted to heat efficiently and with practically no loss. The resulting permanently high efficiency of 98 percent is hard to beat.

This extremely economical usage of valuable fuel oil also results in reduced CO<sub>2</sub> emissions. By running a Vitoladens 300-C, therefore, you are personally contributing towards protecting the climate.



#### Convenient Vitotronic control unit

Contractors and users benefit equally from the easy-to-use Vitotronic control unit, as the structure of its menu is logical and clearly laid out and the unit is backlit, rich in contrast and easy to read. If in doubt, a help function informs users of the next steps to perform. The graphic user interface can also display heating curves.

#### Easy to install and combine

All connections of the Vitoladens 300-C are at the top. It is prefitted at the factory, and takes little time to install on site. Adapted and extended transport accessories make handling easier. Where space is tight, the side panels and the burner can be removed.

The Vitoladens 300-C is ideal for use in combination with the Vitocell 300-H DHW cylinder, as together they form one single unit. If there is a requirement to install a neutralising system at the boiler installation site, there is plenty of space to do so in the boiler plinth. Alternatively, it can also be mounted on the wall thanks to customised wall mounting brackets.

#### Free solar energy

An advanced heating system should include innovative solar thermal technology to utilise free energy from the sun. Viessmann offers a system for this which is optimally matched to the Vitoladens 300-C. This means you can save even more energy on a long term basis.

#### Vitoladens 300-C

- 1 Flue outlet and ventilation air inlet at the top
- 2 Vitotronic control unit
- 3 Integral Inox-Radial heat exchanger made from stainless steel
- 4 Compact blue flame burner
- 5 Safety assembly included in standard delivery
- 6 Biferral composite heating surface
- 7 Integral silencer



Thanks to its compact dimensions, the Vitoladens 300-C can be installed in particularly tight spaces. In combination with the Vitocell 300-H DHW cylinder, it forms an elegant unit.



Vitotronic control unit with clear user prompts

#### Take advantage of these benefits

- Highly efficient and compact floorstanding oil condensing unit
- Standard seasonal efficiency [to DIN] up to 98 % ( $H_g$  [gross cv]) / 104 % ( $H_i$  [net cv])
- Maximum energy utilisation with minimum dimensions
- Biferral composite heating surface with stainless steel Inox-Radial heat exchanger
- Two-stage or modulating Compact blue flame burner for open and room sealed operation
- Integral silencer for quiet operation
- Easy-to-use Vitotronic 200 control unit with plain text and graphic display
- All commercially available low sulphur fuel oils EL can be used. Also for fuel oil DIN 51603-6-EL A Bio 10: low sulphur fuel oil EL with up to 10 % bio-components (FAME)
- Fast and flexible handling and siting, even in tight spaces
- Space saving installation of the neutralising system in the boiler plinth or on the wall
- Safety assembly included in standard delivery

For specification, see page 34



Oil condensing  
technology

Vitoladens 300-T



## VITOLADENS 300-T

The most popular high output oil condensing boiler in the world.  
Proven Viessmann technology with an output from 35.4 kW for your benefit.

The Vitoladens 300-T is an oil condensing boiler with a particularly attractive price. This floorstanding condensing boiler boasts exceptional operational reliability and a long service life.

It is economical in its consumption of valuable fuel oil, and the use of high quality materials and proven components keep maintenance costs to a minimum.

In the output range from 35.4 to 53.7 kW, the Vitoladens 300-T covers a great variety of applications – from detached houses and apartment buildings to smaller commercial operations.



**DESIGN PLUS**  
Sanitär Heizung Klima



The Vitoladens 300-T has won several coveted design awards.



Vitoflame 300 blue flame oil burner for particularly clean, environmentally responsible combustion

#### Clean combustion

The Vitoflame 300 blue flame oil burner stands for particularly clean, environmentally responsible and efficient combustion.

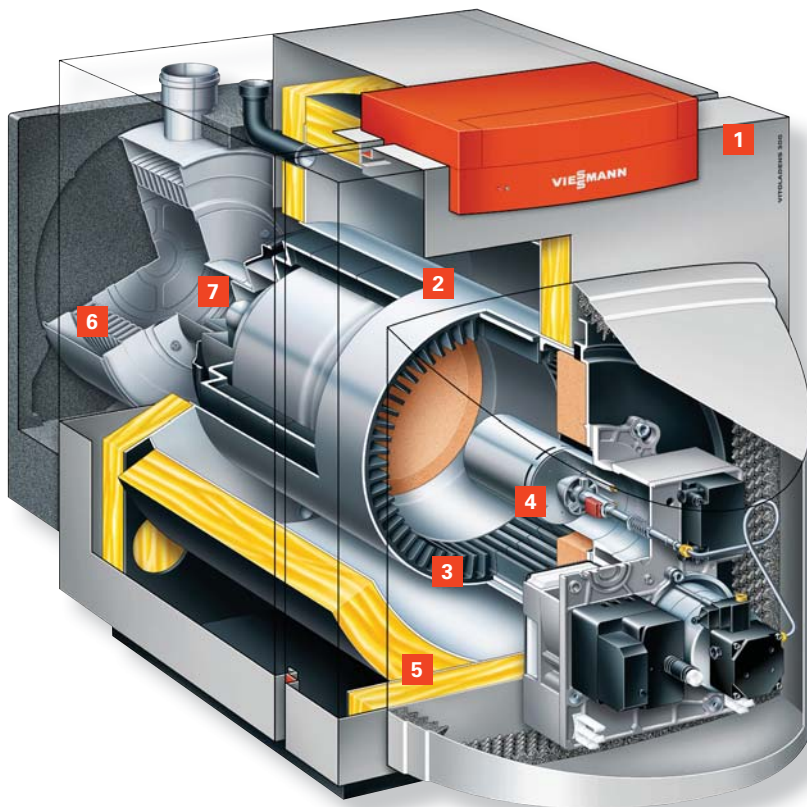
#### Inox-Radial heat exchanger made from stainless steel

The two-stage heat recovery of the Vitoladens 300-T comprises the proven biferral composite heating surface and the corrosion-resistant stainless steel Inox-Radial heat exchanger, installed downstream of the

boiler. This principle ensures that combustion and condensation occur in physically separate locations, so the combustion gases condense in an area that is free from deposits. In practice, this means longer-than-average service intervals for cleaning the combustion chamber and significantly lower maintenance costs.

#### No installation room necessary

The advantage with this boiler is that it does not need to be hidden away in a conventional boiler room. It fits easily in a corner of your basement room or utility room.



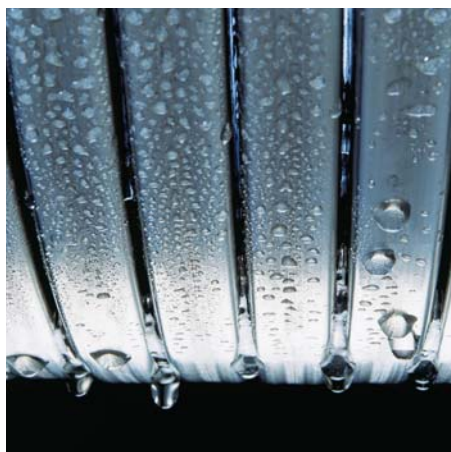
#### Vitoladens 300-T

- 1 Vitotronic control unit
- 2 Wide water galleries and large water capacity
- 3 Biferral cast iron and steel composite heating surface
- 4 Vitoflame 300 blue flame oil burner
- 5 Highly effective thermal insulation
- 6 Inox-Radial heat exchanger
- 7 Integral silencer





The Vitocell 300-H DHW cylinder can be positioned below the Vitoladens 300-T and requires no additional floor space.



The stainless steel Inox-Radial heat exchanger guarantees the highest levels of efficiency and a long service life.

#### Take advantage of these benefits

- Oil condensing boiler in the output range 35.4 to 53.7 kW
- Standard seasonal efficiency [to DIN] up to 97 % ( $H_g$  [gross cv]) / 103 % ( $H_i$  [net cv])
- Durable biferral composite heating surface, proven in millions of boilers
- Corrosion-resistant stainless steel Inox-Radial heat exchanger
- Easy accessibility of the heat exchanger surfaces for cleaning
- Quiet operation through integral silencer
- Flexible siting through open or balanced flue operation
- Easy-to-operate Vitotronic control unit with plain text and graphic display
- All commercially available EL-type fuel oils can be used. Also for fuel oil to DIN 51603-6-EL A Bio 10: low sulphur fuel oil EL with up to 10 % bio-components (FAME)

For specification, see page 34

Oil condensing  
technology

Vitorondens 200-T  
Vitorondens 222-F



## VITORONDENS 200-T

## VITORONDENS 222-F

**Compact, affordable cast iron oil condensing boilers for modernisation projects – also available with integral DHW cylinder**

The Vitorondens 222-F and 200-T are floorstanding cast iron oil condensing boilers with an attractive price/performance ratio. Their dimensions are impressively compact and they are particularly suitable for modernisation projects.

The Vitorondens 222-F is equipped with an integral DHW cylinder providing a high level of DHW convenience. Subject to output, its cylinder has a capacity of 130 litres (20.2 and 24.6 kW) or 160 litres (28.9 kW).

DHW cylinders from Viessmann's comprehensive product range are available for the Vitorondens 200-T.

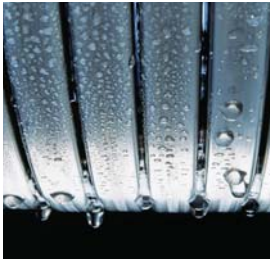
## Oil condensing technology

### Vitorondens 200-T

20.2 to 107.3 kW

### Vitorondens 222-F

20.2 to 28.9 kW



Inox-Radial heat exchanger – durable and efficient



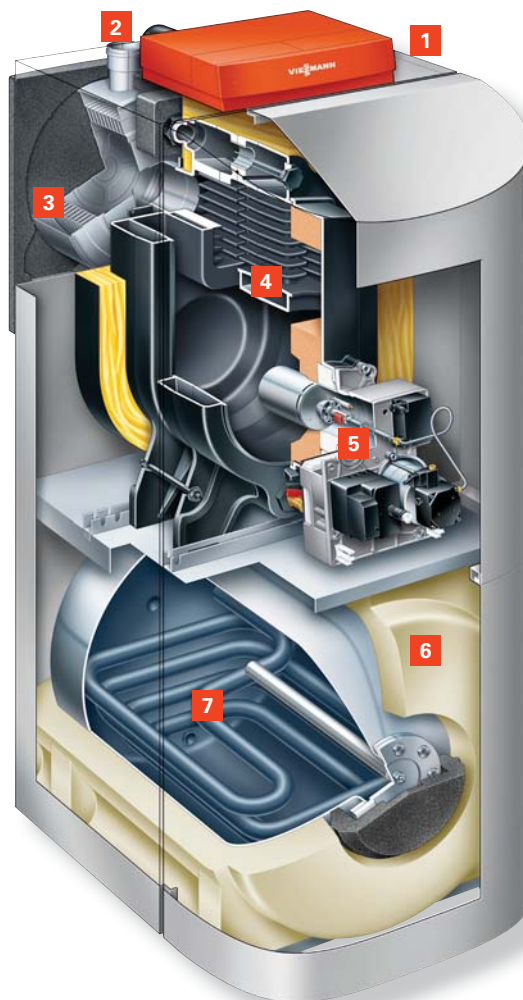
The Eutectoplex heating surface guarantees a long service life and a high degree of operational reliability.

Combining the durable Eutectoplex heating surface with the downstream Inox-Radial heat exchanger made from stainless steel separates combustion and condensation effectively. The benefit lies in the fact that the combustion residues remain in the combustion chamber, whilst the combustion gases can condense in the heat exchanger without leaving any residues behind.

The Vitoflame 300 blue flame oil burner is designed for all commercially available EL-type fuel oils, and ensures particularly clean, environmentally responsible and efficient combustion. As an option, up to ten percent bio-oil can be added to the fuel oil.

### Easy and convenient control

The Vitotronic 200 control unit with plain text display and graphic support enables easy, self-explanatory operation with user prompts. The Vitotronic enables the convenient control of heating systems with one heating circuit without mixer and up to two heating circuits with mixer.



### Vitorondens 222-F

- 1 Vitotronic control unit
- 2 Flue gas routing to the top
- 3 Inox-Radial heat exchanger
- 4 Eutectoplex heating surface
- 5 Vitoflame 300 blue flame oil burner
- 6 Highly effective thermal insulation
- 7 Integral, enamelled DHW cylinder with indirect coil





Vitorondens 200-T with adjacent  
Vitocell 300-V DHW cylinder



Vitorondens 200-T with output ranging from  
67.6 to 107.3 kW

#### Take advantage of these benefits

- Affordable cast iron oil condensing boilers for modernisation projects
- Standard seasonal efficiency [to DIN]: up to 97 % ( $H_g$ ) [gross cv] / 103 % ( $H_n$ ) [net cv]
- Proven components (Eutectoplex heating surface) for high operational reliability and a long service life
- Downstream stainless steel Inox-Radial heat exchanger that cleans itself
- Clean combustion thanks to the Vitoflame 300 blue flame oil burner
- JetFlow system for optimum heating water distribution
- Flexible installation through balanced (up to 53.7 kW) or open flue operation
- Easy-to-operate Vitotronic control unit with plain text and graphic display
- All commercially available EL-type fuel oils can be used. Also for fuel oil to DIN 51603-6-EL A Bio 10: low sulphur fuel oil EL with up to 10 % bio-components (FAME)
- Quiet operation through external flue gas silencer option
- Time savings during installation, as thermal insulation and control unit are prefitted with the Vitorondens 200-T (up to 53.7 kW)
- Easy handling as the Vitorondens 200-T (from 67.6 to 107.3 kW) components are delivered separately. The boiler body is delivered as a block, whilst thermal insulation, downstream heat exchanger and control unit are fitted on site

For specification, see page 35

Oil condensing  
technology

Vitoladens 300-W  
Vitoladens 333-F



## VITOLADENS 300-W VITOLADENS 333-F

Particularly compact and space-saving – oil condensing technology for wall mounting or floorstanding with integral DHW cylinder.

Vitoladens oil condensing boilers are reliable, have an impressively long service life and deliver convenient heating energy. Oil condensing technology is also one of the cleanest options for heat generation and, with efficiency of 98 percent, one of the most economical, too. Through the condensation of the hot gases, latent heat is recovered, which is normally wasted by conventional boilers. The two oil condensing boilers Vitoladens 300-W for wall mounting and Vitoladens 333-F as a floorstanding appliance are technically identical. Both are available in two output stages up to 23.5 kW. The Vitoladens 333-F offers the addition of an integral enamelled 130 litre DHW cylinder for a high level of DHW convenience.

### Highly efficient oil condensing technology now even more effective

Our heat generator is easy to service and distinguished by its effective and reliable utilisation of condensing technology with oil. And the Inox-Radial stainless steel heat exchanger has always guaranteed high energy efficiency. To increase the proven benefits of Viessmann oil condensing boilers, even more, the Vitoladens 300-W (type VP3C and type J3HA) and the Vitoladens 333-F (type VP3U and type J3SA) have been developed further. 1.5 turns of the passages of the Inox-Radial heat exchanger on the burner door side are treated with a continuous, highly heat-resistant seal. This means the burner door does not become as hot, and cools faster when maintenance is necessary.



International  
Forum  
Design

The Vitoladens 333-F was awarded the renowned iF Design Prize for the quality of its design.

## Oil condensing technology



The Vitoladens 300-W is compact and can even be sited in recesses. Clearance to side walls is not necessary, as all components are accessible from the front.

## Vitoladens 300-W Vitoladens 333-F 10.3 to 23.5 kW

### Energy and space efficient

A Vitoladens is the right choice when it comes to replacing old boilers with an advanced oil condensing boiler. Aside from the considerable savings on heating bills, you also save space. The oil condensing boiler is so compact that, at 480 mm wide, it can even fit in recesses. All components are accessible from the front, making side clearances unnecessary.

### Economical burner

The particularly quiet, modulating Compact blue flame burner in the Vitoladens matches its output to the current heat demand and is therefore particularly economical and efficient. The burner operates in room sealed or open flue mode, thus allowing flexible siting of the oil condensing boiler. It is designed for use with all commercially available types of low sulphur fuel oil.

### Convenient Vitotronic control unit

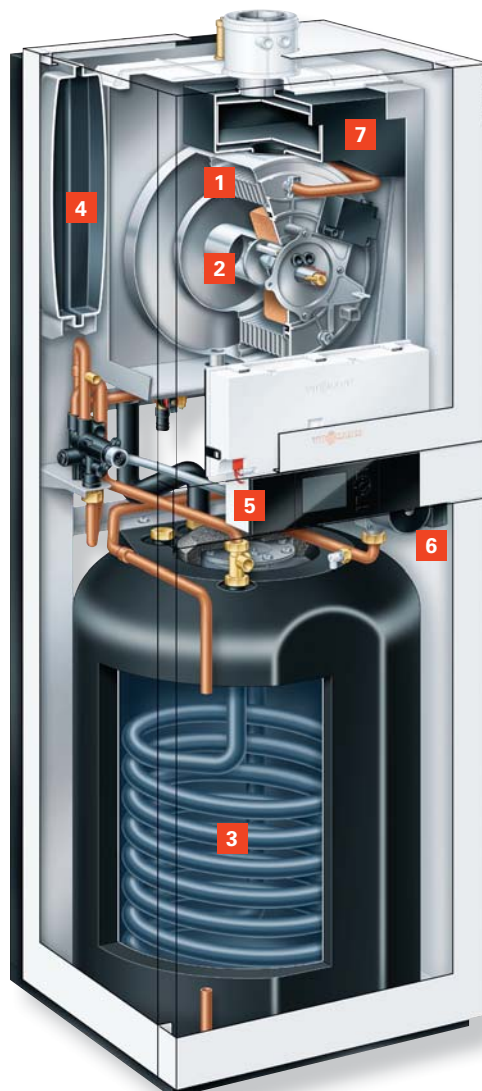
Contractors and users benefit equally from the easy-to-use Vitotronic control unit, as the structure of its menu is logical and clearly laid out and the unit is backlit, rich in contrast and easy to read. If in doubt, a help function informs users of the next steps to perform. The graphic user interface can also display heating curves. If required, the programming unit can be installed anywhere on a wall mounted base up to the five metres (cable length) away from the heating centre.

### Vitoladens 300-W – ideal for wall mounting

The Vitoladens 300-W is a compact oil condensing boiler for wall mounting. Thanks to its integral silencer it is even possible for it to operate quietly inside the living space, e.g. in the utility room. The corrosion-resistant stainless steel Inox-Radial heat exchanger is a perfect match for the operational characteristics of the Compact blue flame burner.

### Vitoladens 333-F – floorstanding and particularly compact

The Vitoladens 333-F is floorstanding, and the DHW cylinder for convenient DHW provision is already built in. With its 130 litre capacity, this oil condensing boiler hardly needs more floor space than an upright freezer. It is the ideal solution where space is limited in a new build or modernisation project. Many old systems consist of a separate boiler and DHW cylinder. These can be completely replaced by the Vitoladens 333-F.



### Vitoladens 333-F

- 1 Inox-Radial heat exchanger
- 2 Two-stage Compact blue flame burner
- 3 Enamelled DHW cylinder, 130 litre capacity
- 4 Expansion vessel
- 5 Vitotronic control unit
- 6 High efficiency pump
- 7 Integral silencer





The Vitotradens 333-F oil condensing storage combi boiler can also be installed in recesses to save space.



Vitotronic control unit – easy operation by means of simple navigation and large, clearly legible display, e.g. for setting the switching times.

#### Take advantage of these benefits

- Standard seasonal efficiency [to DIN] up to 98 % ( $H_g$  [gross cv]) / 104 % ( $H_i$  [net cv])
- Effective and reliable utilisation of oil condensing technology through Inox-Radial heat exchanger
- Demand-dependent heat generation by means of a modulating or two-stage Compact blue flame burner
- Open or room sealed flue operation
- All types of commercially available low sulphur EL-type fuel oil can be used – including fuel oil DIN 51603-6-EL A Bio 10: low sulphur fuel oil EL with up to 10 % bio-components (FAME)
- Power saving high efficiency circulation pump
- Easy-to-operate Vitotronic control unit with plain text and graphic display
- The programming unit in the control unit can be fitted to a wall mounting base
- Ideal for installation in recesses without side clearances

#### The added bonus of the Vitotradens 300-W

- Particularly compact oil condensing boiler for wall mounting
- Quiet operation thanks to fully encapsulated boiler body including burner, as well as additional integral silencer

#### The added bonus of the Vitotradens 333-F

- Compact floorstanding appliance for use where space is tight
- Integral, enamelled 130 litre DHW cylinder for high DHW convenience

For specification, see page 36

Oil condensing  
technology

Vitosolar 300-F



# VITOSOLAR 300-F

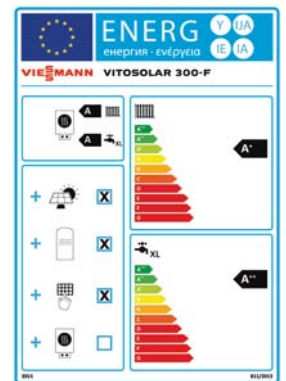
Powerful and compact heating centre including solar operation – with a wall mounted oil condensing boiler

The Vitosolar 300-F heating centre is powerful and compact and features major new developments: Compared with the previous model, the required room height including flue outlet has been reduced by up to 19 cm, extending the application range to include cellars with low ceilings, for example.

The high performance unit for solar central heating backup and DHW heating consists of a 750 litre combi cylinder and is designed for direct mounting of a Vitoladens 300-W wall mounted oil condensing boiler.

## New thermal insulation for lower heat losses

The polyester fibre fleece insulation has been improved. The greater insulation thickness reduces heat losses and saves energy.



Energy efficiency label  
Vitosolar 300-F





Inox-Radial heat exchanger

#### Economical and eligible for subsidies

Operating this system in conjunction with Vitosol solar collectors for central heating backup meets the requirements of the Renewable Energies Heat Act [Germany] and the Renewable Heat Act, Baden-Württemberg. This investment may attract public subsidies. For up to date information, see the subsidy database at [www.viessmann.de](http://www.viessmann.de).

Further savings are available thanks to the variable speed high efficiency circulation pumps for the heating and solar circuits. These consume up to 70 percent less electricity than conventional pumps.

#### One control unit for all systems

Contrary to other systems of this kind, the Vitosolar 300-F is supplied with just one control unit – the Vitotronic 200. This regulates all functions required by the boiler and the solar thermal system. The solar yield is shown on the control unit display to assist in collating the energy statement. This ensures convenient operation from one central programming unit.

#### Easy to install, everything included

The Vitosolar 300-F is pre-assembled at the factory with heating circuit distributor, solar circuit components, thermally insulated pipework and shut-off valves. Connections for integrating a second heat generator, such as a wood boiler, are already provided. All connections can be routed out of the appliance to the right or left, subject to the space available.



#### Vitosolar 300-F

- 1 Multi mode heating water buffer cylinder
- 2 Vitoladens 300-W wall mounted oil condensing boiler
- 3 Corrugated stainless steel indirect coil for DHW heating
- 4 Vitotronic 200 control unit
- 5 Solar indirect coil
- 6 Divicon heating circuit distributor
- 7 Connections on the system side
- 8 Solar circuit components (partially hidden)



Vitosolar 300-F oil condensing storage combi boiler for solar DHW heating and central heating backup



Vitotronic 200 control unit display

#### Take advantage of these benefits

- Storage combi boiler for solar DHW heating and central heating backup with a Vitoladens 300-W wall mounted oil condensing boiler
- 750 litre combi cylinder for solar central heating backup
- Convenient Vitotronic 200 control unit for operating the entire energy centre, including the solar thermal system
- Power saving high efficiency circulation pumps for solar and heating circuit
- Compact dimensions – ideal for new build and modernisation
- Cohesive high quality heating system design
- Meets statutory requirements in accordance with the Renewable Energies Heat Act and the Renewable Heat Act [Germany]
- Option to connect additional heat generators (e.g. solid fuel boiler)

For specification, see page 37

## Specification



### Vitoladens 300-C oil condensing boiler

|  |    |             |             |             |
|--|----|-------------|-------------|-------------|
| <b>Rated heating output (50/30 °C)</b> |    |             |             |             |
| Two-stage                              | kW | 12.9 – 19.3 | 16.1 – 23.5 | 19.3 – 28.9 |
| Modulating                             | kW | 10.3 – 19.3 | 10.3 – 23.5 | 12.9 – 28.9 |
| <b>Rated heating output (80/60 °C)</b> |    |             |             |             |
| Two-stage                              | kW | 12.0 – 18.0 | 15.0 – 22.0 | 18.0 – 27.0 |
| Modulating                             | kW | 9.6 – 18.0  | 9.6 – 22.0  | 12.0 – 27.0 |
| <b>Dimensions</b>                      |    |             |             |             |
| Length                                 | mm | 958         | 958         | 1076        |
| Width                                  | mm | 638         | 638         | 638         |
| Height                                 | mm | 1062        | 1062        | 1062        |
| <b>Weight</b>                          | kg | 148         | 148         | 168         |
| <b>Boiler water content</b>            | l  | 42.5        | 42.5        | 55          |
| <b>Energy efficiency class</b>         |    | A           | A           | A           |



### Vitoladens 300-T oil condensing boiler

|  |    |      |      |      |
|--|----|------|------|------|
| <b>Rated heating output (50/30 °C)</b> | kW | 35.4 | 42.8 | 53.7 |
| <b>Rated heating output (80/60 °C)</b> | kW | 33.0 | 40.0 | 50.0 |
| <b>Dimensions</b>                      |    |      |      |      |
| Length                                 | mm | 1585 | 1770 | 1770 |
| Width                                  | mm | 667  | 776  | 776  |
| Height                                 | mm | 934  | 1050 | 1050 |
| <b>Weight</b>                          | kg | 242  | 333  | 333  |
| <b>Boiler water content</b>            | l  | 93   | 147  | 147  |
| <b>Energy efficiency class</b>         |    | A    | A    | A    |





Vitorondens 200-T oil condensing boiler

|  |    |      |      |      |      |      |      |
|--|----|------|------|------|------|------|------|
| <b>Rated heating output (50/30 °C)</b> | kW | 20.2 | 24.6 | 28.9 | 35.4 | 42.8 | 53.7 |
| <b>Rated heating output (80/60 °C)</b> | kW | 18.8 | 22.9 | 27   | 33   | 40   | 50   |
| <b>Dimensions</b>                      |    |      |      |      |      |      |      |
| Length                                 | mm | 1226 | 1226 | 1362 | 1362 | 1662 | 1662 |
| Width                                  | mm | 500  | 500  | 500  | 500  | 500  | 500  |
| Height                                 | mm | 940  | 940  | 940  | 940  | 940  | 940  |
| <b>Weight</b>                          | kg | 147  | 147  | 184  | 184  | 224  | 224  |
| <b>Energy efficiency ratio</b>         |    | A    | A    | A    | A    | A    | A    |



Vitorondens 200-T oil condensing boiler

|  |    |      |      |       |
|--|----|------|------|-------|
| <b>Rated heating output (50/30 °C)</b> | kW | 67.6 | 85.8 | 107.3 |
| <b>Rated heating output (80/60 °C)</b> | kW | 63   | 80   | 100   |
| <b>Dimensions</b>                      |    |      |      |       |
| Length                                 | mm | 1704 | 1704 | 1704  |
| Width                                  | mm | 600  | 600  | 600   |
| Height                                 | mm | 1149 | 1149 | 1149  |
| <b>Weight</b>                          | kg | 348  | 348  | 348   |
| <b>Energy efficiency ratio</b>         |    | A    | A    | A     |



Vitorondens 222-F oil condensing storage combi boiler

|   |    |      |      |      |
|---|----|------|------|------|
| <b>Rated heating output (50/30 °C)</b>  | kW | 20.2 | 24.6 | 28.9 |
| <b>Rated heating output (80/60 °C)</b>  | kW | 18.8 | 22.9 | 27.0 |
| <b>Dimensions</b>                       |    |      |      |      |
| Length                                  | mm | 1278 | 1278 | 1423 |
| Width                                   | mm | 665  | 665  | 665  |
| Height                                  | mm | 1590 | 1590 | 1590 |
| <b>Weight</b>                           | kg | 271  | 271  | 317  |
| <b>Cylinder capacity</b>                | l  | 130  | 130  | 160  |
| <b>N<sub>L</sub> performance factor</b> |    | 1.1  | 1.1  | 1.6  |
| <b>Energy efficiency ratio</b>          |    | B    | B    | B    |



## Vitoladens 300-W wall mounted oil condensing boiler

|   |    |             |             |
|---|----|-------------|-------------|
| <b>Rated heating output</b> (type VP3C), two-stage  |    |             |             |
| 50/30 °C  | kW | 12.9/19.3   | 16.1/23.5   |
| 80/60 °C  | kW | 12.0/18.0   | 15.0/22.0   |
| <b>Rated heating output</b> (type J3HA), modulating |    |             |             |
| 50/30 °C  | kW | 10.3 – 19.3 | 10.3 – 23.5 |
| 80/60 °C  | kW | 9.6 – 18.0  | 9.6 – 22.0  |
| <b>Dimensions</b>                                   |    |             |             |
| Length  | mm | 380         | 380         |
| Width   | mm | 480         | 480         |
| Height  | mm | 850         | 850         |
| <b>Weight</b>                                       | kg | 60          | 60          |
| <b>Boiler water content</b>                         | l  | 12          | 12          |
| <b>Energy efficiency ratio</b>                      |    | A           | A           |



## Vitoladens 333-F oil condensing storage combi boiler

|   |    |             |             |
|---|----|-------------|-------------|
| <b>Rated heating output</b> (type VP3U), two-stage  |    |             |             |
| 50/30 °C  | kW | 12.9/19.3   | 16.1/23.5   |
| 80/60 °C  | kW | 12.0/18.0   | 15.0/22.0   |
| <b>Rated heating output</b> (type J3SA), modulating |    |             |             |
| 50/30 °C  | kW | 10.3 – 19.3 | 10.3 – 23.5 |
| 80/60 °C  | kW | 9.6 – 18.0  | 9.6 – 22.0  |
| <b>Dimensions</b>                                   |    |             |             |
| Length  | mm | 595         | 595         |
| Width   | mm | 600         | 600         |
| Height  | mm | 1625        | 1625        |
| <b>Weight</b>                                       | kg | 170         | 170         |
| <b>Boiler water content</b>                         | l  | 12          | 12          |
| <b>Cylinder capacity</b>                            | l  | 130         | 130         |
| <b>N<sub>L</sub> performance factor</b>             |    | 1.6         | 1.6         |
| <b>Energy efficiency ratio</b>                      |    | A           | A           |

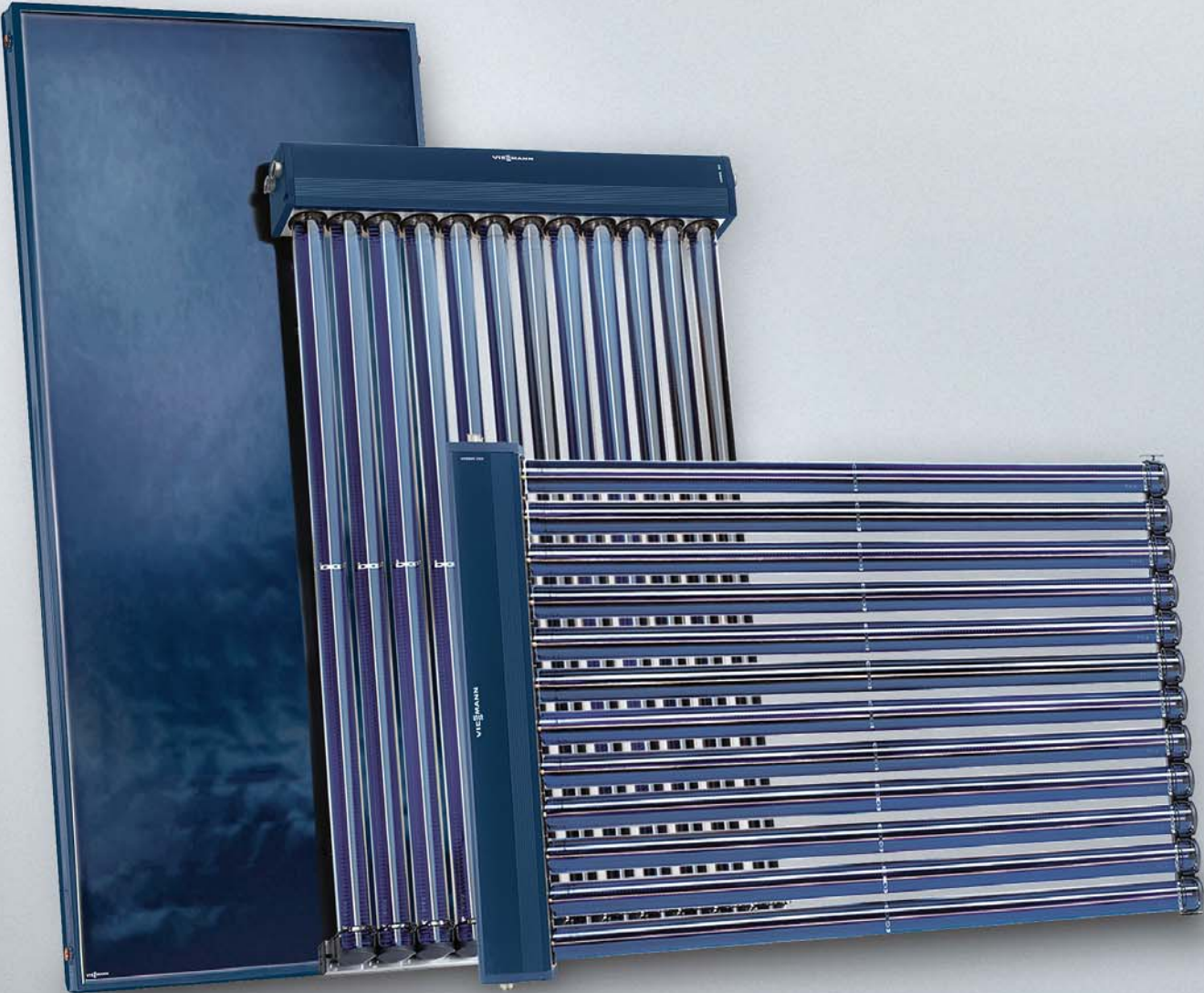


## Vitosolar 300-F oil condensing storage combi boiler

|   |    |             |             |
|---|----|-------------|-------------|
| <b>Rated heating output</b>               |    |             |             |
| at heating water temperatures of 50/30 °C | kW | 10.3 – 19.3 | 10.3 – 23.5 |
| at heating water temperatures of 80/60 °C | kW | 9.6 – 18.0  | 9.6 – 22.0  |
| <b>Dimensions</b>                         |    |             |             |
| Length                                    | mm | 1623        | 1623        |
| Width                                     | mm | 1052        | 1052        |
| Height                                    | mm | 1875        | 1875        |
| <b>Weight</b>                             | kg | 358         | 358         |
| <b>Combi cylinder capacity</b>            | l  | 750         | 750         |
| <b>Energy efficiency class</b>            |    | A+ *        | A+ *        |

\* In conjunction with 4 Vitosol 200-F flat-plate collectors.





## A perfect match – system technology

The convenient controls and perfectly matching Viessmann system technology offer you maximum reliability, flexibility and efficiency.

"The whole is greater than the sum of its parts". In accordance with this philosophy, Viessmann supplies more than high quality, reliable and effective heating components. In fact, all products are part of a matching total concept, where all components complement one another. After all, only perfect interaction between all system components can draw out the maximum potential of our innovative leading technology.

Viessmann system technology incorporates everything you need for a reliable and economical heating system: from the Vitotronic control unit with wireless remote control and powerful Vitocell DHW cylinders for the highest DHW convenience, right up to high grade solar thermal systems for cost effective central heating backup.



### Solar thermal and photovoltaic

Free solar energy – discover more about our solar technology for DHW heating, central heating backup and power generation.

**Page 40**



### DHW cylinders

DHW convenience for every demand – with the Vitocell range of cylinders from Viessmann, you have an enormous choice and maximum scope when designing your heating system.

**Page 44**



### Control convenience

Clear, convenient, intelligent – the Vitotronic offers you perfect functionality for fast and precise control over your heating system.

**Page 46**



### Data communication

Do you know about Vitocom? It's the ideal solution for controlling a heating system and exchanging data easily and conveniently from wherever you are.

**Page 48**



Vacuum tube collectors can be installed anywhere, and also make for an attractive architectural feature in new buildings.

## Solar thermal systems – free solar energy

Extend your new oil boiler with the right solar technology. Then you'll save twice as much precious heating energy.

Today, a new heating centre and a solar thermal system go hand in hand, and there are good reasons for this. In the summer, almost the entire energy demand for DHW heating can be covered by solar collectors. In spring and autumn, this system can also back up your central heating system. This means that, in a new house, you can save up to 35 percent of the total heating energy required.

Calculated over the year, 60 percent of energy can be saved on DHW heating alone. This is because solar energy is free, and daylight is converted into heat by the collector even when the sun is not shining directly onto the roof.

### **The principle is quite simple**

To capture solar rays and then utilise them efficiently sounds more difficult than it is. Of course, a great deal of innovative technology and experience are required. Solar thermal systems "collect" solar energy in the flat-plate or tube collectors. There, a heat transfer medium is heated by insolation and circulated through a hot water cylinder. Inside the cylinder, the heat is transferred via an indirect coil to the domestic hot water or to the heating circuit. Thereafter, the cooled liquid is returned to the collector, and the cycle begins again. The boiler provides reheating if there is insufficient insolation, e.g. in winter.



The Vitosol range offers solar collectors for every aspiration and every budget. Installation on the roof or wall opens up a variety of design options.

### Flat-plate and tube collectors

The Vitosol 200-F flat-plate collector is distinguished by its high quality, lasting operational reliability and high efficiency. With its extremely translucent anti-reflective glass and copper absorber with highly selective coating, the high performance Vitosol 300-F flat-plate collector utilises intensive insolation with particular efficiency.

With the Vitosol 200-T vacuum tube collector, which employs the heat pipe principle, Viessmann has increased the operational reliability of solar collectors to the extent that they can be installed anywhere. The Vitosol 200-T can be installed vertically and horizontally at any angle between 0 and 90 degrees. It is equally suited to private as to commercial systems.

The Vitosol 300-T meets the highest standards. It is a top quality, high performance collector based on the heat pipe principle.

### Generate your own power with Vitovolt

Vitovolt 200 photovoltaic modules generate electrical energy directly within the solar cell. This power is exported to the public grid via an inverter.

### Benefit from public subsidies

Your Viessmann heating contractor is well informed about current subsidy programmes and will supply you with the most important contact details for obtaining information and application forms.

Or simply take a look on the internet:  
[www.viessmann.de/foerderprogramme](http://www.viessmann.de/foerderprogramme).



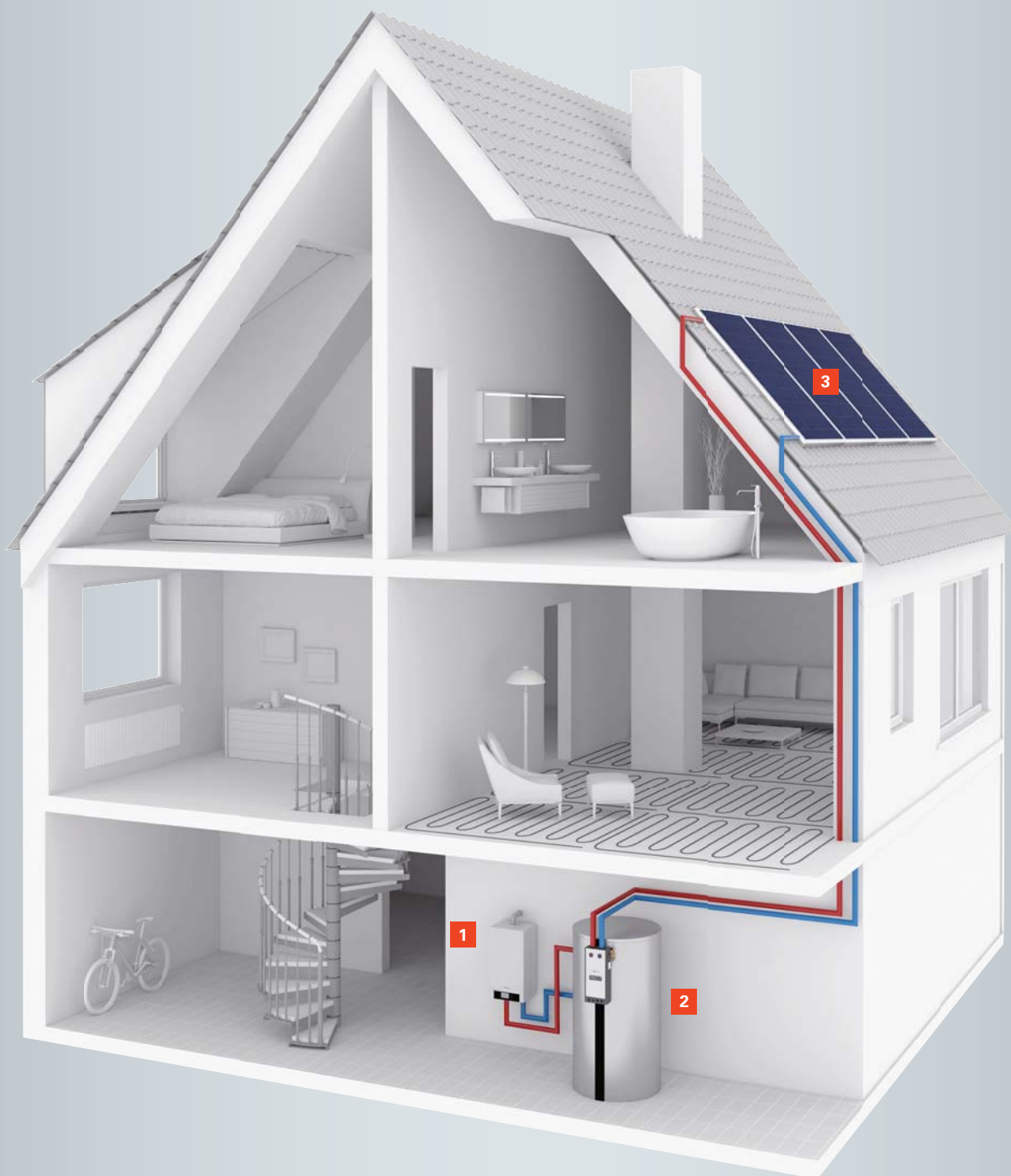
The Vitosol 200-F flat-plate collector features frost and hail-proof safety glass, as well as corrosion-resistant components made from stainless steel and aluminium. The frames are available on request in any RAL colour.



Particular benefits of the Vitosol 300-T and Vitosol 200-T vacuum tube collectors include their superior reliability and long service life.



Vitovolt photovoltaic modules from Viessmann also provide a high level of power generation in partially shaded areas.



- 1 Vitoladens 300-W wall mounted oil condensing boiler
- 2 Vitocell 360-M multi mode combi cylinder for DHW heating and central heating backup with attached Solar-Divicon
- 3 Vitosol 200-F flat-plate collectors

## DHW heating and central heating backup with solar energy

Solar thermal systems are the perfect choice for DHW heating and central heating backup. Thanks to freely available solar energy, your investment can be recovered within a few years through high savings on fossil fuel.

You basically have the option of using solar energy for DHW heating and central heating backup. In any case, savings on oil are considerable, as you will be able to reduce your annual energy consumption by 60 percent. This is the energy that would otherwise be required for your day-to-day DHW heating. If you combine the heating of DHW and heating water, you can save up to 35 percent of the total energy required – every year.

### Solar thermal system with dual mode DHW cylinder

The dual mode DHW cylinder is key to this type of system. When there is sufficient insolation, the heat transfer medium in the solar thermal system heats up the water in the DHW cylinder via the lower indirect coil.

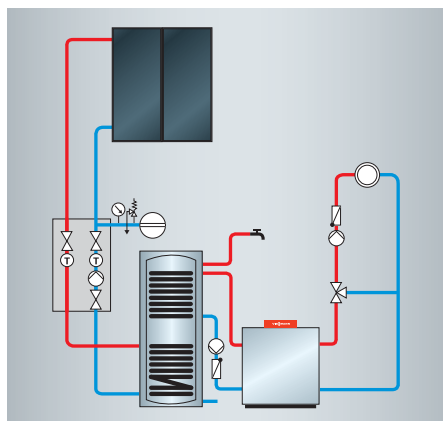
When the temperature drops through water being drawn off, such as for a bath or shower, the boiler will start – if necessary – to provide additional heating via the second circuit.

### Solar thermal system for DHW heating and central heating backup

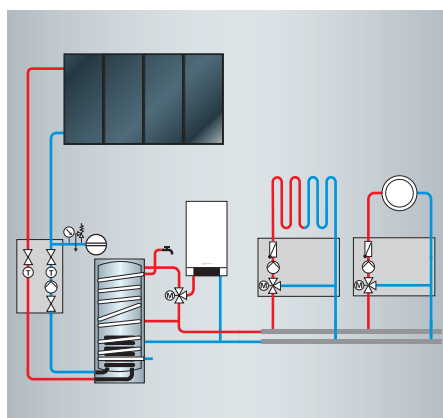
The heat transfer medium heated up in the solar collectors can also be used to heat the heating water, as well as for DHW heating. For this, the heating circuit, via a heat exchanger, uses the water in the solar cylinder that is continuously heated by the solar collectors. The control unit checks whether the required room temperature can be achieved. If the temperature is below the set value, the boiler will also start.

**Energy efficiency category: A**  
**In combination with**  
**solar collectors**

**A<sup>+</sup>**



Solar DHW heating



Solar DHW heating and central heating backup

With Viessmann, heating and solar technology come entirely from a single source. All components are perfectly matched.



The Vitocell range from Viessmann offers a DHW cylinder to suit every need and each cylinder is perfectly matched to the respective oil boiler or solar thermal system.

## DHW convenience for every demand

**With our Vitocell DHW cylinders, we offer you a convenient solution for supplying your household with hot water – the perfect extension to your new oil boiler.**

The demand for hot water is completely different in every household. One factor is the number of residents and another is their bathing and showering habits. For example, if three members of a family set off for work and school at the same time, lots of hot water needs to be continuously available for showers in short order.

Those who prefer a bath will also want to have enough hot water to fill the tub. After all, the DHW cylinder should also provide

sufficient water if, in an apartment building for example, hot water is drawn from more than one outlet at the same time.

Vitocell DHW cylinders fulfil these requirements in every respect and meet the very highest standards. In all instances, the installation of a solar thermal system is recommended to save energy and heat the water without cost.



### The right DHW cylinder for every demand

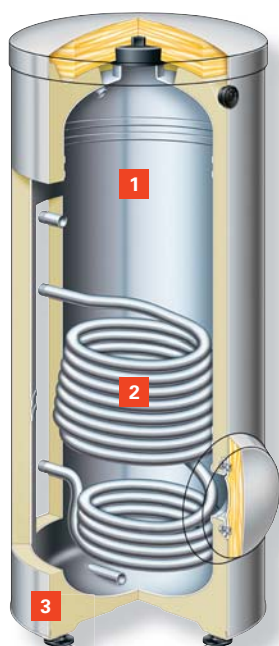
In the Vitocell cylinder range, you'll find exactly the right DHW cylinder for your requirements. Subject to DHW demand and installation options, select a floorstanding DHW cylinder, or a cylinder for installation adjacent to, or below, the boiler.

### Hygienic DHW provision

The quality of the inner surface of the DHW cylinder is crucial to providing DHW hygienically. For this reason, Viessmann relies on two high quality materials: Ceraprotect enamel coating for safe, lasting protection against corrosion in the Vitocell 100 range, and stainless steel in the Vitocell 300 range for outstanding hygiene standards. The indirect coils inside Vitocell DHW cylinders reach right down to the cylinder floor. This enables them to heat the entire water content, making them very economical.

### Vitocell 300 made from stainless steel

Vitocell 300 DHW cylinders made from corrosion-resistant stainless steel meet some of the most stringent hygiene standards. Stainless steel is used in kitchens, laboratories, hospitals and the food processing industry for good reason, as it offers excellent hygienic properties. Its homogeneous surface retains these characteristics even after many years of use.



Horizontal Vitocell 100-H and Vitocell 300-H DHW cylinders can also be positioned below the oil condensing boiler.

### Vitocell 100 with Ceraprotect enamel coating

The Vitocell 100 with Ceraprotect enamel coating meets all requirements for convenient, economical DHW heating and is amongst the top selling enamelled DHW cylinders. The Ceraprotect enamel coating provides the DHW cylinder with safe and lasting protection against corrosion.

### Take advantage of these benefits

- Vitocell 100 with Ceraprotect enamel coating, capacity: 80 to 1000 litres
- Vitocell 300 made of stainless steel, capacity: 130 to 500 litres
- Dual mode and multi mode DHW cylinders for integration of solar thermal systems for DHW heating and central heating backup
- Internal indirect coils reaching right to the cylinder floor heat the entire water content
- Low heat losses due to highly effective thermal insulation

### Vitocell 300-V

- Vitocell 300-V DHW cylinder made from stainless steel. Capacity: 130 to 500 litres
- Internal indirect coils reaching right to the cylinder floor heat the entire water content
- Low heat losses thanks to highly effective thermal insulation



Wireless Vitotrol 300 RF remote control with touchscreen for convenient operation from the living space



Vitotronic control units, with their well thought-out electronic management system, ensure the economical and safe operation of your Viessmann heating system.

# Vitotronic – everything perfectly under control

With the Vitotronic control unit, operating your Viessmann boiler is as simple as making a phone call.

## Vitotronic – technology that thinks for you

Vitotronic control units provide you with every opportunity for really convenient heating, regulated to suit you personally. Once adjusted to your needs, the Vitotronic runs many functions automatically and saves a great deal of energy. Individual adjustments are simplified by the clear Vitotronic user interface with backlit keys and large display showing plain text messages.

## Options for the future

The Vitotronic control unit is designed to accommodate future changes. Whether you want to build an extension in the near future, or extend your heating system by means of a solar thermal system, the Vitotronic will always keep up with the times.

## Saving energy made easy

The Vitotronic automatically changes over between winter and summertime, and responds to outside temperature fluctuations as a weather-compensated control unit. There are plenty of convenience functions, such as the party button that cancels energy saving night setback or the economy and holiday programs. These can all be called up quickly and easily at the touch of a button, either on the boiler itself, or from your living space by using the optional remote control, which has an identical user interface.



The Vitotrol 300 is a convenient remote control unit to control your boiler from any room in your apartment or house.

| Overview of functions                           | Vitotronic 100 | Vitotronic 200 |
|---|----------------|----------------|
| Reacts to changes in room temperature           | ■              | –              |
| Reacts to changes in outside temperature        | –              | ■              |
| Options for central heating and DHW heating     | –              | ■              |
| Option for central heating only                 | ■ <sup>1</sup> | ■              |
| Automatic summer/wintertime changeover          | –              | ■              |
| Party key (extends heating operation)           | ■ <sup>1</sup> | ■              |
| Economy key (short-term temperature setback)    | ■ <sup>1</sup> | ■              |
| Holiday program (long-term temperature setback) | ■ <sup>1</sup> | ■              |
| Small display with symbols                      | ■              | –              |
| Large plain text display                        | –              | ■              |
| Energy saving functions                         | –              | ■              |

<sup>1</sup> Only in conjunction with the Vitotrol 100, type UTDB



## Everything under control – from wherever you are

### Maximum operating convenience with Vitotrol app and smartphone

With the Vitotrol app and a smartphone, controlling Viessmann heating systems couldn't be easier. Intuitive and convenient operation via the internet is possible from anywhere and at any time. The Vitotrol app is available for mobile end devices with iOS or Android operating systems.

The user can access all the key information about the system status at any time. The Vitotrol app is an extremely convenient way to control the heating centre.

Users are informed immediately of any deviations from the normal operating status, giving them additional control over their heating system.

For app operation, the boiler must be fitted with a Vitotronic 200 control unit. This is the case for most of the newer wall mounted boilers, small and medium sized boilers, heat pumps and wood boilers.



### Stay connected with Vitocom 100

The Vitocom 100 communication module (type LAN1) is the interface between the heating system and the internet. Vitocom features high security standards to prevent data misuse. The module also communicates with the Viessmann Vitodata server, via which the Vitotrol app accesses the heating centre controls.

### Direct access to a wide range of functions

The Vitotrol app controls the heat distribution with up to three heating circuits and the provision of domestic hot water. The user has access to numerous Vitotronic control functions:

- Selecting the operating program
- Adjusting the set temperatures for central heating and DHW
- Selecting the holiday program
- Setting time programs for central heating, DHW heating and DHW circulation
- Calling up the operating parameters, including all important temperatures
- Displaying efficiency data, including solar yield and hours run

### Benefits for servicing and maintenance

The combination of Vitocom 100 (type LAN1) and the Vitotrol app also allows Viessmann trade partners to monitor their customers' heating systems and respond immediately in the event of a fault. If a fault occurs, the boiler sends a message directly to the trade partner's smartphone.

### Added comfort and security

The Vitotrol app and Vitocom 100 (type LAN1) TeleControl system is designed for all heating systems in private homes, offering real benefits in terms of added security and comfort. It monitors the current operating status of the heating centre around the clock.

### Encrypted data transfer

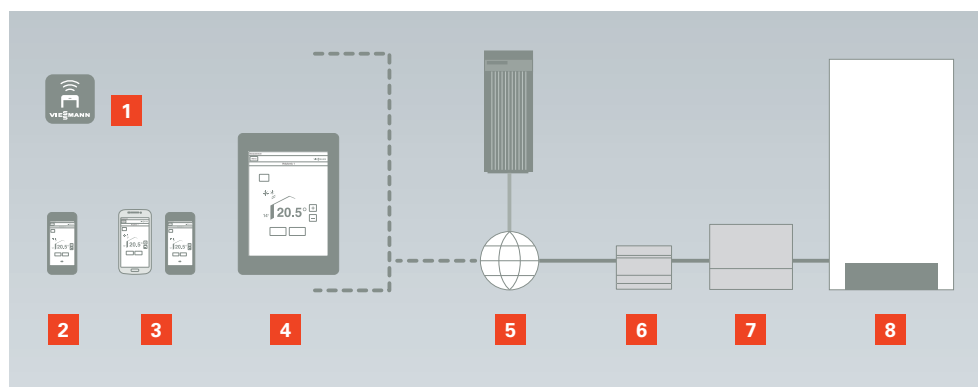
To prevent third parties from accessing the heating system control unit, the data is securely transferred via HTTPS protocol with SSL encryption.

### Benefits at a glance:

- Convenient operation via app – any time, anywhere
- Ideal for all private buildings and homes
- Can be used with all Viessmann floorstanding or wall mounted boilers, heat pumps and the Vitoligno 300-P wood boiler
- Secure data transfer via HTTPS protocol with SSL encryption
- Attractively priced and economic to run
- All fault messages in plain text



Communication module  
Vitocom 100 (type LAN1)



- |                               |                                |
|-------------------------------|--------------------------------|
| 1 Vitotrol app                | 5 Internet and Vitodata server |
| 2 iPod Touch                  | 6 DSL router                   |
| 3 Smartphone (iOS or Android) | 7 Vitocom 100 (type LAN1)      |
| 4 Tablet PC (iOS or Android)  | 8 Boiler                       |

System configuration for controlling the heating system with the Vitotrol app. The mobile terminal devices (1–4) require a WLAN or mobile communications connection.



## Vitaset – the complete accessories range

Fuel oil tanks, expansion vessels, pipework systems, pumps, filters and valves – Vitaset offers you the complete range of accessories for your Viessmann heating system.

With the Vitaset range, Viessmann provides you with all the components required for a domestic heating system, from a single source. You benefit because everything matches and can be combined into a single homogeneous system that meets your individual requirements. What's more, your ideas can be implemented swiftly and safely, as all the parts are made available quickly and directly to your Viessmann heating contractor and are of the highest quality.

Something that all components in the extensive range of accessories from Viessmann share is the use of high grade, tested materials and perfect manufacture – this ensures that they provide truly safe and reliable solutions.

Vitaset – innovative technology where all components interact perfectly. Ask your local Viessmann heating contractor, who will be happy to advise you on the many application options available to you with Vitaset.

### Fuel storage

- Fuel oil tanks, 750 to 1500 l
- Fuel oil tank accessories
- Oil filters

### Heat generation

- Diaphragm expansion vessels for sealed unvented heating systems  
Colour: Vitosilver, vessels from 25 to 140 l, also in pure white (RAL 9010)
- Shut-off valves, safety valves, air vent valves
- Small water softening systems
- Stainless steel flue systems, single and twin wall
- Mobile electric heaters

### DHW heating

- Drinking water filter
- Diaphragm expansion vessels for DHW installations
- Water softening systems
- DHW circulation pumps
- Diaphragm safety valves for sealed unvented DHW cylinders
- Freshwater modules for DHW heating according to the instantaneous water heater principle

### Heat distribution

- Shut-off valves, non-return valves
- Low loss headers
- Heating mixers
- Circulation pumps
- Heating water buffer cylinders
- Plate heat exchangers for heat pump systems
- Residential and local heating network transfer stations

### Heat transfer

- Compact valves, compact and centre connection radiators, designer panel radiators, ultra-low temperature radiators and bathroom radiators
- Radiator accessories
- Underfloor heating systems



Vitoset offers you all the components you need to modernise your heating system.

## System accessories from Viessmann – complete heating systems from a single source

The Vitoset range provides the products you need to operate your heating system in complete safety, all from a single source.

Every Vitoset product meets the high quality standards you have come to expect from Viessmann. So when installing your new heating system, don't settle for anything less. The range of accessories is a perfect match for our heating systems. Here is an overview:

### **Compact valve radiators**

The compact valve radiators, with their standard valve set and sealed-in valve, bleed and dummy plug, plus lateral female connections, can also be connected from the side as well as from below. With their classic design, they are equally suitable for living spaces and offices in new build or as part of a modernisation project.



### Panel radiators

Their brilliant, completely smooth design makes flat panel radiators an exceptionally aesthetic design element, which is subtle yet effective. The technical concept behind them is optimised for the demands of energy efficient heating. The resistant, plastic-coated surface is low maintenance and gleams in white RAL 9016. Flat panel radiators are also very easy to clean, making them an attractive choice for allergy sufferers.

### Bathroom radiators

Our innovative Vitoset bathroom radiators with their slender pipe elements have an elegant and light appearance and will look good in any bathroom. A variety of designs will help you to make your bathroom stylish, and will keep your towels nice and warm.

Alongside their connection to the heating system, these bathroom radiators can also be operated electrically – a heater rod can then provide the necessary heating output. It is even possible to combine both technologies, i.e. the central heating connection for the heating season, and the heater rod for cooler summer days, when you want to take away that early morning chill in your bathroom.

### Thermostatic valves

Not all thermostats are the same. The use of high grade materials and precise temperature selection give Viessmann controllers the edge. Last, but not least, their stylish design adds that extra special touch.

### Fuel oil tanks

Oil heating systems represent economical and environmentally responsible heating technology. A heating system is not complete without secure, space saving and uncomplicated fuel storage. This is the concept behind the Vitoset fuel oil tanks – twin-wall solutions as steel/plastic and plastic/plastic versions.



Beautifully finished and pleasing to the eye: Vitoset bathroom radiators come in many different shapes and sizes. They also make a stylish design statement.



Greater convenience: Viessmann thermostatic valves enable precise temperature selection and are characterised by a design that is both elegant and functional.



Fuel oil tank range – DWT double skin tank and KWT plastic containment tank



## With our trade partners, you're in good hands

For Viessmann, proximity to trade partners is the basis of the company's success. You too can benefit from their expertise if you choose Viessmann heating technology.

You can receive advice and have access to sales, installation and customer service exclusively via Viessmann trade partners, who are trained regularly by the company, and have in-depth knowledge of its products.

Take advantage of the comprehensive service you can expect from your heating contractor.

### Some service examples

- Free, no-obligation and individual advice, even on site
- Clear calculation of heating cost savings after modernising your heating system – also in combination with solar collectors, of course
- Calculation of the payback period, after which the new heating system will have paid for itself through energy savings
- Calculation of the actual heating and DHW demand for your household or property
- Information about the economical combination of a new heating system with a solar thermal system for central heating backup and DHW heating
- Up to date information about public subsidy programmes that could help to finance your new heating system and solar thermal system
- Help when applying for subsidies

### Technology from Viessmann – subsidies from the government

You don't just save on running costs. Energy saving and environmentally responsible heating technology is also financially supported by local, regional and national bodies, as well as by your local power supply utility. So find out more about the various subsidies that may be on offer. Up to date information can be found on the internet at [www.viessmann.de/foerderprogramme](http://www.viessmann.de/foerderprogramme), or ask your heating contractor.

### Attractive finance – invest now and save on heating costs immediately

With the Viessmann finance model, you can start saving straight away, and turn your plans into reality. The fast and reliable process with no red tape makes your modernisation project easier, and your financial planning remains flexible. The special advantage for you is that with Viessmann's favourable terms, you generally save much more on heating costs than you spend on finance.

#### Please note:

Applications for subsidies and finance must be made before the heating and/or solar thermal system is purchased. Subsidies and finance agreements cannot be arranged retrospectively. Detailed information regarding the Viessmann finance model can be obtained from your local heating contractor.

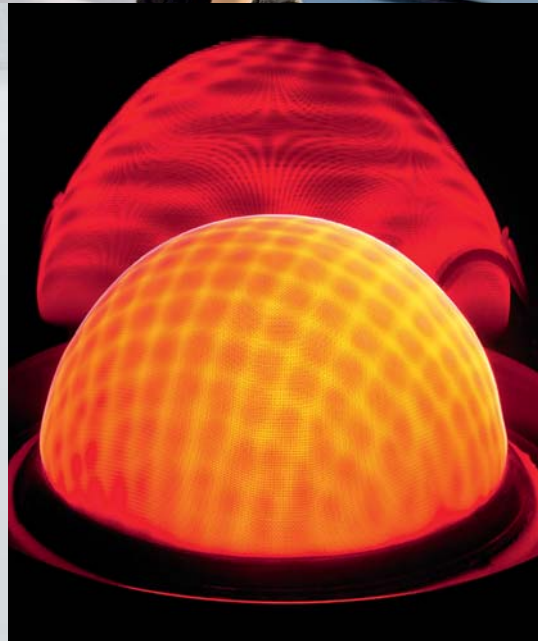


### Terms and conditions to shout about

If you invest now in a new heating system for your property, you may be eligible for an attractive finance package from Viessmann in conjunction with CreditPlus bank: Just 3.99 percent\* effective APR.



## The company





## Viessmann – climate of innovation

Viessmann is one of the world's leading manufacturers of intelligent, convenient and efficient systems for heating, cooling and decentralised power generation.

As a third generation family run business, Viessmann has been supplying highly efficient and clean heating systems for many decades.

### A strong brand creates trust

Together with our brand label, our key brand message is an identifying feature throughout the world. "Climate of innovation" is a promise on three levels: It is a commitment to a culture of innovation. It is also a promise of enhanced product benefits and, at the same time, an obligation to protect the environment.

### Acting in a sustainable manner

For Viessmann, taking responsibility signifies a commitment to acting sustainably.

This means harmonising ecology, economic concerns and social responsibility so that

the needs of today are met without compromising the quality of life of future generations.

We consider climate protection, environmental responsibility and resource efficiency to be key priorities throughout our company, which has more than 11,500 employees worldwide.

### Example of Best Practice

With its strategic sustainability project, Viessmann demonstrates at its own head office in Allendorf (Eder) that the energy and climate policy goals set for 2050 can in fact be achieved today with commercially available technology. The results speak for themselves:

- Expansion of renewables to 60 percent
- CO<sub>2</sub> emissions reduced by 80 percent

The long term goal is for the company to meet all its own heating energy requirements by sustainable means.



2009/2011/2013:  
German Sustainability Award  
for Production/Brand/Resource  
Efficiency



Energy Efficiency Award 2010

### Viessmann Group

#### Company details

- Established in: 1917
- Employees: 11,500
- Group turnover: 2.2 billion euros
- Export share: 56 percent
- 22 production companies in 11 countries
- 74 countries with sales companies and branches
- 120 sales offices worldwide

#### The comprehensive product range from the Viessmann Group for all energy sources and output ranges

- Boilers for oil or gas
- Combined heat and power generation
- Hybrid appliances
- Heat pumps
- Wood combustion technology
- Biogas production plants
- Biogas upgrading plants
- Solar thermal
- Photovoltaics
- Accessories
- Refrigeration systems



climate of innovation

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