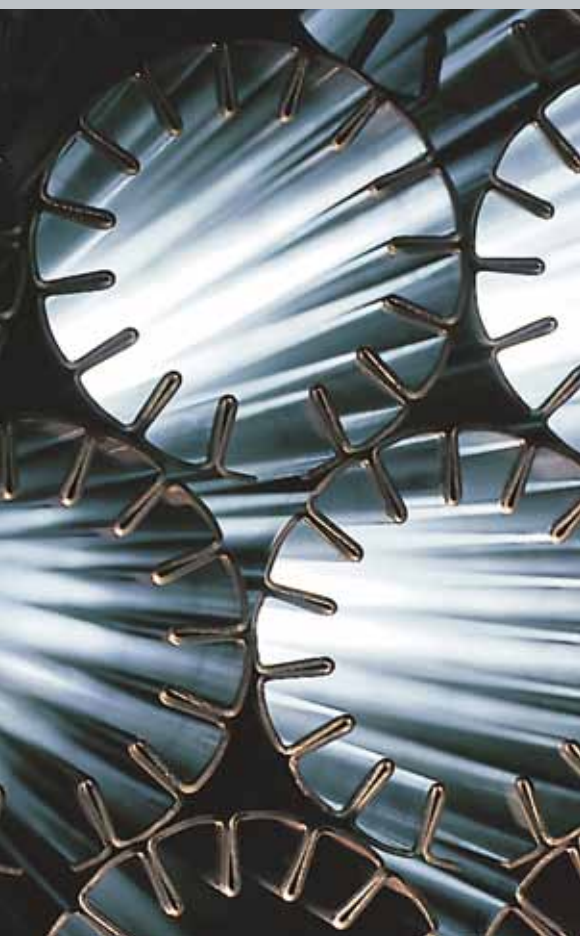


Oil/gas boilers for medium and high output



Heating systems ◀

Industrial systems

Refrigeration systems

VIESSMANN

Futureproof and efficient heating technology for all requirements

In industrialised Western nations, heat generation for residential and commercial buildings accounts for the largest proportion of energy consumption – and at the same time offers the greatest savings potential. Advanced and energy efficient heating systems from Viessmann are in use around the world, not only in many private households, but also in numerous major projects where they make an important contribution to the sustainable protection of energy reserves.

In such projects, Viessmann successfully overcomes the most diverse challenges facing advanced heating technology by offering innovative solutions – in historical listed buildings, highly productive industrial complexes and the large scale residential and commercial arena.

The comprehensive range of medium and industrial/commercial boilers includes Viessmann products as well as heat generators and air conditioning units produced by Viessmann Group companies. These are strong brands that meet all the requirements made of powerful and reliable heating technology in the field of renewable energy.



Overview of the brochure

Viessmann offers innovative heating solutions for residential complexes, municipal buildings, industry and commerce. Take a closer look at all the options available to you.



Introduction

Save energy and protect the climate with innovative solutions from Viessmann. Using highly efficient heating technology not only reduces energy costs but is also an active form of environmental protection.

from page 6



Conventional and condensing oil/gas boilers up to 2000 kW

Highly efficient and futureproof: Here, you'll find detailed information on powerful and futureproof heating systems.

from page 8



Gas condensing boilers up to 1400 kW

Advanced condensing technology makes the Vitocrossal a frugal condensing boiler for many different applications.

from page 22



Hot water boilers up to 20 MW

Energy efficient with low emissions: Here you can find system solutions for economical hot water generation.

from page 40



System technology

Everything from a single source. Perfectly matching system technology from Viessmann offers maximum reliability, flexibility and efficiency.

from page 48



Attractive services for our trade partners

Find out more about engineering aids, training offers, customer service and our online systems.

from page 64



The company

The power of innovation: Viessmann has been a family business for three generations, offering leading technology and taking its responsibilities seriously.

from page 70



Saving energy and protecting the climate

Viessmann is aware of its responsibility 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. Viessmann can rightfully claim to be the leader in quality and technology, and as such, aims to continually set new standards.

Of course, 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. The rest is shared by road haulage, personal transport and power generation, each accounting for 20 percent. Similar values also apply to other industrial countries. Ever-rising energy costs mean that the priority is to reduce 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 gas condensing boilers convert up to 98 percent of the natural gas used into heat. Condensing technology is also futureproof, as it is possible to combine conventional fuels with biofuels such as bio natural gas.

This is why you should invest today in advanced condensing technology. The savings you can make are considerable. Make an effective contribution towards the sustained protection of our climate by preventing unnecessary CO₂ emissions.

Viessmann always offers the right solution – with its comprehensive range of medium and industrial/commercial boilers as well as powerful heating systems for sustainable fuels, in particular biomass.

Viessmann offers energy saving heating systems for all applications and fuel types.

Oil/gas
condensing boilers

Oil/gas condensing boilers
101 to 545 kW



VITORADIAL 300-T

Condensing technology with proven Inox-Radial heat exchanger for efficient heating operation.

Compact oil/gas condensing boiler Vitoradial 300-T

The Vitoradial 300-T condensing boiler is extremely compact and is supplied as a Unit with a downstream flue gas/water heat exchanger and the new Vitoflame 100 pressure-jet burner (up to 335 kW).

High efficiency with two-stage heat recovery

The Vitoradial 300-T condensing boiler is an innovative combination of the Vitoplex 300 low temperature boiler with an Inox-Radial heat exchanger directly attached to the boiler for utilising condensing technology.

The proven multi layered convection heating surfaces combined with the corrosion-resistant Inox-Radial heat exchanger fitted downstream of the boiler enable highly efficient two-stage heat recovery. The Vitoradial 300-T is suitable for operation with all commercially available EL fuel oils or natural gas.



Vitoradial 300-T
Condensing boilers
101 to 545 kW

10-year guarantee*

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

* For conditions and product
overview see
www.viessmann.de/garantie

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





Multi layered convection heating surface

Compact yet powerful

The compact design with low build height makes the Vitoradial 300-T an ideal choice when modernising heating centres. It is supplied as a Unit with a downstream Inox-Radial heat exchanger.

Triplex pipes for a heating surface 2.5 times larger

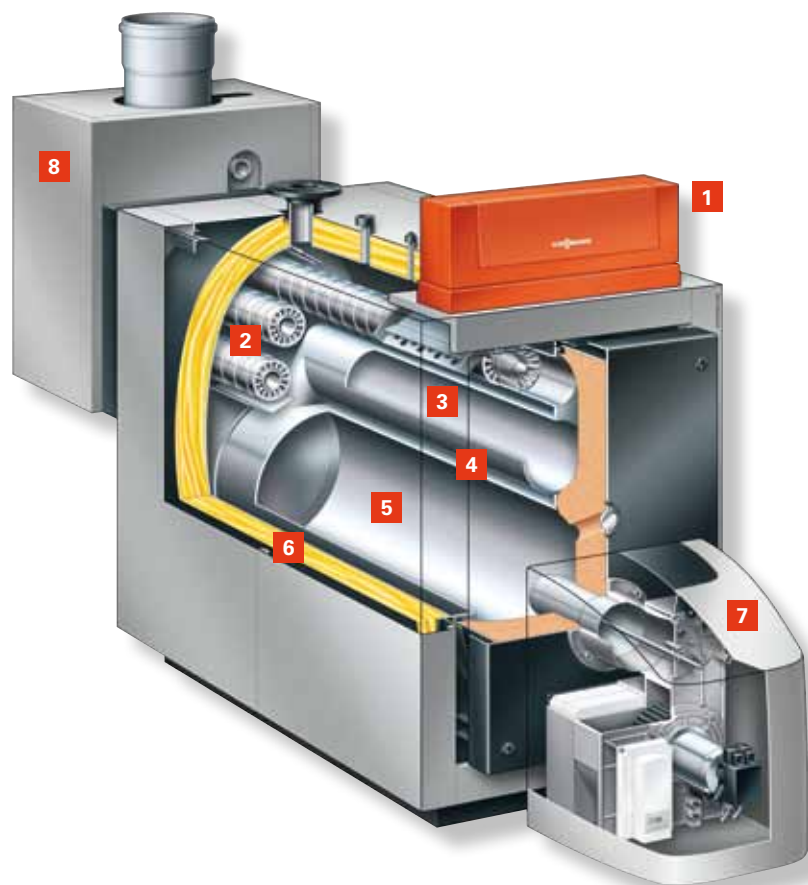
The multi layered convection heating surfaces of the Vitoradial 300-T comprise telescopic steel pipes pressed together for heat transfer. The internal pipe surrounded by folded linear fins provides a heating surface 2.5 times larger than that of smooth pipes. The heat transfer is subject to the different intervals between the press points, i.e. the back area of the triplex pipes, through which slightly less hot combustion gases circulate, transfers less heat to the boiler water. This way, the surface temperature remains above the dew point, the formation of condensate is counteracted and corrosion damage is prevented.

Utilising condensing technology with the Inox-Radial heat exchanger

The downstream Inox-Radial heat exchanger makes it feasible to utilise highly efficient condensing technology, even with medium-sized boiler systems, such as the Vitoradial 300-T. The efficiency is raised by 8 percent to 97 percent (H_g [gross cv]).

This principle ensures that combustion and condensation occur in physically separate locations and the combustion gases condense without leaving any residues behind. In practice, this means standard service intervals for cleaning the combustion chamber and low maintenance costs apply.

The Vitoradial 300-T is available for an output range of up to 545 kW. The Inox-Radial heat exchanger is highly efficient and made from stainless steel. This prevents the risk of corrosion through acidic condensate.



Vitoradial 300-T

- 1 Boiler and heating circuit control unit
- 2 Third hot gas flue (as multi layered convection heating surface)
- 3 Second hot gas flue
- 4 Wide water galleries
- 5 Combustion chamber (first flue)
- 6 Vitoflame 100 Unit pressure-jet burner
- 7 Vitoflame 100 Unit pressure-jet oil burner
- 8 Inox-Radial heat exchanger



Vitoradial 300-T, 101 to 335 kW



Vitoradial 300-T, 425 to 545 kW

Take advantage of these benefits:

- Oil/gas condensing boilers, 101 to 545 kW
- Standard seasonal efficiency [to DIN] for operation with fuel oil:
97 % (H_s) [gross cv] / 103 % (H_i) [net cv]
- Inox-Radial heat exchanger for condensing hot gases, matched to the compact oil/gas boiler
- Complete with heat exchanger pipework and pump, matched to the boiler output
- Long burner runtimes and fewer switching intervals due to large water content protect the environment
- Economical and safe operation of the heating system is ensured by the digital Vitotronic control unit with communication capability
- Integral Therm-Control start-up system for easy hydraulic connection – no shunt pump or return temperature raising facility are required
- No low water indicator required, saving additional costs
- Compact design for easy handling and low build height – important for modernisation
- Easy-to-operate Vitotronic control unit with plain text and graphic display

For specification, see page 20

Low temperature
oil/gas boilers

Vitoplex 300/200, 90 to 2000 kW
Vitorond 200, 125 to 1080 kW



VITOPLEX VITOROND

Proven Viessmann quality up to 2000 kW for oil and gas and high standard seasonal efficiency [to DIN].

The comprehensive range from Viessmann covers every demand for innovative heating technology. Here, you can find the exact solution to suit your needs in terms of building services, convenience and budgetary constraints.

The versatility of the Vitoplex range, which in terms of technology and price is available in the 300 and 200 categories, ensures that the perfect solution is available for every demand and budget. All products have in common the top quality for which Viessmann is renowned.

The Vitorond 200 comes into its own where awkward spatial conditions make it necessary to bring the boiler to the installation location in sections.



Vitoplex 300

Low temperature oil/gas boilers, three-pass boilers, 90 to 2000 kW



Vitoplex 200

Low temperature oil/gas boilers, three-pass boilers, 90 to 1950 kW



Vitorond 200

Low temperature oil/gas boilers, three-pass boilers in cast sectional design, 125 to 1080 kW



The triplex pipes offer a heating surface that is 2.5 times the size of standard pipes.

Three-pass boiler with integral start-up control

The three-pass Vitoplex 300 boiler, with its proven multi layered convection heating surfaces, offers particularly economical, clean and reliable operation. The integral Therm-Control start-up system makes a separate return temperature raising facility unnecessary.

Multi layered convection heating surfaces made from Triplex pipes

The multi layered convection heating surfaces of the Vitoplex 300 comprise telescopic steel pipes pressed together for heat transfer. The internal pipe surrounded by folded linear fins provides a heating surface 2.5 times larger than that of smooth pipes.

The heat transfer is subject to the different intervals between the press points, i.e. the back area of the triplex pipes, through which slightly less hot combustion gases circulate, transfers less heat to the boiler water.

This way, the surface temperature remains above the dew point, the formation of condensate is counteracted and corrosion damage is prevented.

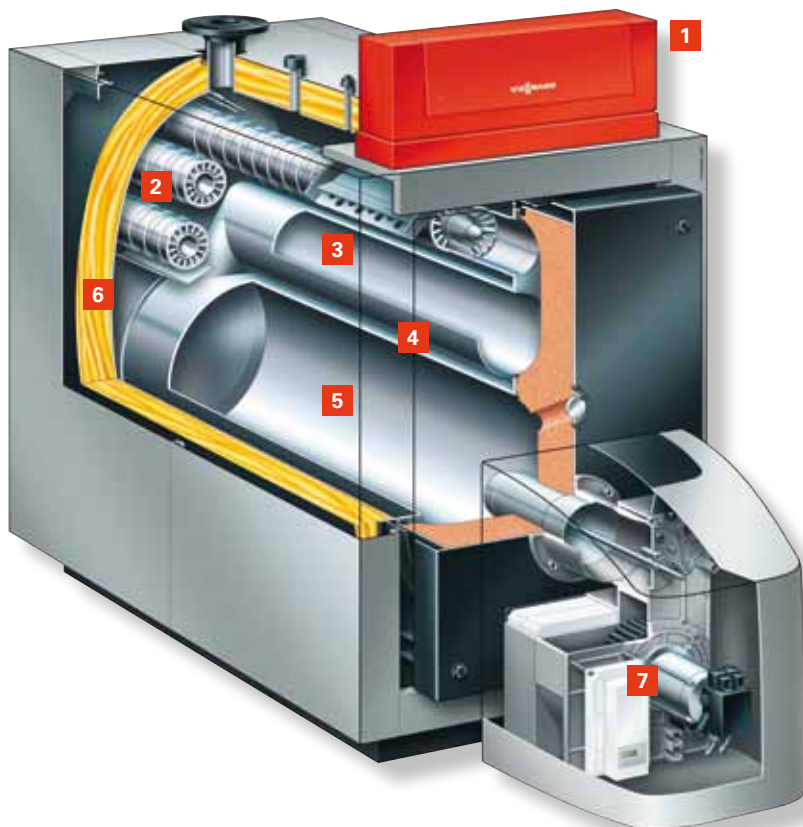
Convenient and powerful control units

Economical and safe operation of your heating system is ensured by the digital Vitotronic control unit with communication capability.

The Vitotronic 300-K is a particularly powerful version for operating multi boiler systems comprising up to four individual boilers with modulating boiler water temperature. It can control heating systems with one or two heating circuits and optional mixer. Further heating circuits with mixer can be regulated by the Vitotronic 200-H, allowing up to 96 additional heating circuits to be controlled.

The integral diagnostic system and programming unit with plain text and a backlit display make for exceptionally convenient operation. External devices are connected easily via system plugs.

Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.



Vitoplex 300

90 to 500 kW

- 1** Boiler and heating circuit control unit
- 2** Third hot gas flue (as multi layered convection heating surface)
- 3** Second hot gas flue
- 4** Wide water galleries
- 5** Combustion chamber (first flue)
- 6** Highly effective thermal insulation
- 7** Vitoflame 100 Unit pressure-jet oil burner



Vitoplex 300, 90 to 500 kW



Vitoplex 300, 620 to 2000 kW

Take advantage of these benefits

- Low temperature oil/gas boilers, 90 to 2000 kW
- Multi layered convection heating surfaces for high operational reliability and a long service life
- Standard seasonal efficiency [to DIN] with fuel oil:
90 % (H_g) [gross cv] / 96 % (H_n) [net cv]
- No low water indicator required up to 300 kW
- Optimum and clean combustion provided by matching pressure-jet oil/gas burners up to 2000 kW
- Simple and rapid installation with Divicon heating circuit distributor up to 300 kW and safety equipment block up to 180 kW
- Compact design for easy handling and low build height – important for modernisation
- Long burner runtimes and fewer switching intervals due to large water content protect the environment
- From 620 kW with walk-on boiler covers for easier installation and maintenance

For specification, see page 20

Suitable for many different burners

The compact Vitoplex 200 steel boiler is available from 90 to 1950 kW. Over the entire output range, this three-pass boiler offers the right conditions for environmentally responsible and clean combustion. A wide range of burners can be easily adapted for use with this boiler. The Vitoplex 200 is a three-pass boiler with low combustion chamber loading, therefore it delivers clean combustion with particularly low nitrogen oxide emissions.

Optimum combustion and low emissions

Factory-fitted with the two-stage Vitoflame 100 pressure-jet oil burner up to 270 kW and the two-stage Vitoflame 100 pressure-jet gas burner up to 200 kW, adjusted to the boiler output and tested at operating temperature. This ensures optimum combustion with low emissions. For the output range from 270 to 1950 kW, pressure-jet oil/gas burners from ELCO and Weishaupt are already fully adjusted and wired.

Therm-Control saves installation time and costs

No minimum heating water flow rate required because of wide water galleries. This simplifies the hydraulic connections. Therm-Control in the output range 90 to 560 kW even makes a return temperature raising facility superfluous. This saves installation time and additional costs.

Convenient and powerful control units

The economical and safe operation of the heating system is ensured by the digital Vitotronic control unit with communication capability.

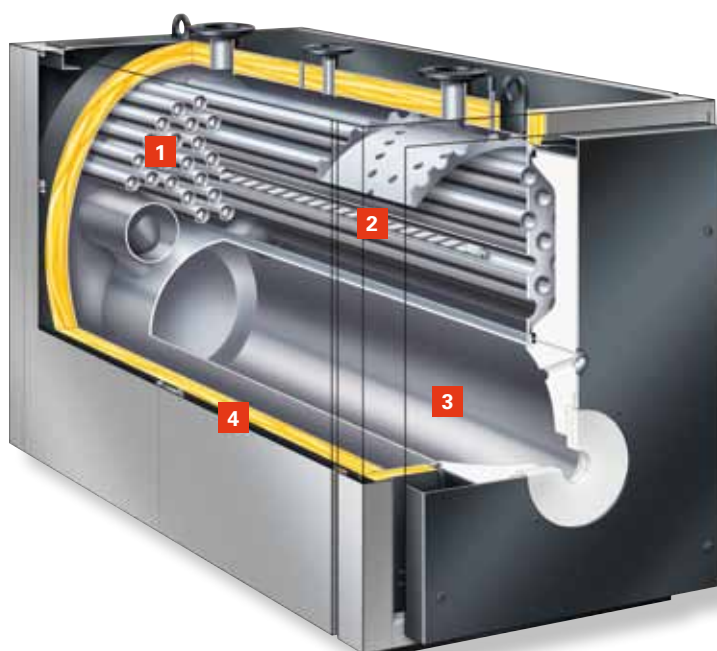
The Vitotronic 300-K is a particularly powerful version for operating multi boiler systems comprising up to four individual boilers with modulating boiler water temperature. It can control heating systems with one or two heating circuits and optional mixer. Further heating circuits with mixer can be regulated by the Vitotronic 200-H, allowing up to 96 additional heating circuits to be controlled.

The integral diagnostic system and programming unit with plain text and a backlit display make for exceptionally convenient operation. External devices are connected easily via system plugs.

Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.

A neat fit even when space is tight

The Vitoplex 200 three-pass boiler is easy to handle and saves space, while the walk-on boiler cover (from 700 kW) facilitates installation and maintenance. The compact three-pass boiler up to 350 kW fits through any standard doorway (80 cm), making handling much easier.



Vitoplex 200

700 to 1950 kW

- 1 Third hot gas flue
- 2 Second hot gas flue (both sides)
- 3 Combustion chamber (first flue)
- 4 Highly effective thermal insulation



Vitoplex 200, 90 to 560 kW

Take advantage of these benefits

- Low temperature oil/gas boilers, 90 to 1950 kW
- Economical and environmentally responsible through modulating boiler water temperature
- Standard seasonal efficiency [to DIN] with fuel oil:
88 % (H_g) [gross cv] / 94 % (H_n) [net cv]
- Optional stainless steel flue gas/water heat exchanger for higher standard seasonal efficiency [to DIN] through condensing technology
- Three-pass boiler with low combustion chamber loading, resulting in clean combustion with low emissions
- Wide water galleries and large water content ensure excellent natural circulation and reliable heat transfer
- Time saving installation of the boiler casing and control unit thanks to the Fastfix system for medium and industrial/commercial boilers
- From 700 kW with walk-on boiler covers for easier installation and maintenance
- Long burner runtimes and fewer switching intervals due to large water content protect the environment

For specification, see page 21



Cast section of the Vitorond 200,
320 to 1080 kW

Fits through any doorway: Vitorond 200

Older buildings in particular often have narrow entrances which can make it difficult to bring in a new boiler. With the Vitorond 200 sectional cast iron boiler, sections can be brought into the boiler room individually, where they can be easily assembled in situ with a compression tool.

Eutectoplex heating surface for high operational reliability and a long service life

The cast sections of the Vitorond 200 boilers are made from special eutectic cast iron with a homogeneous structure. The fine design of the graphite fins and the high level of material purity of the low phosphorous special cast iron increase its elasticity. The material, shape and geometry of the cast sections provide even cooling during production. This prevents structural stresses right from the start, resulting in high operational reliability and a long service life.

Three-pass boiler with low emissions

At the end of the combustion chamber, the hot gases flow onwards through four hot gas flues arranged symmetrically around the combustion chamber. They then enter the

four collectors of the third hot gas flue via the front section. At the back of the boiler, the four cooled hot gas flues are channelled via the flue gas connection to the chimney. The three-pass design reduces the dwell time of the hot gases in the high reaction temperature range. This results in reduced nitrogen oxide emissions.

Therm-Control saves installation time and costs

Therm-Control in the output range 125 to 270 kW makes a return temperature raising facility superfluous. This simplifies the hydraulic connections, saves installation time and costs.

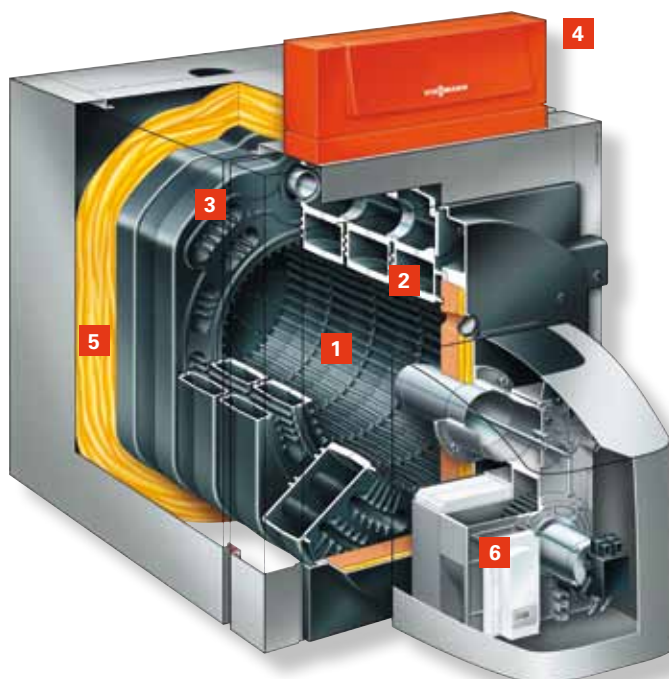
Convenient and powerful control units

Economical and safe operation of your heating system is ensured by the digital Vitotronic control unit with communication capability.

The Vitotronic 300-K is a particularly powerful version for operating multi boiler systems comprising up to four individual boilers with modulating boiler water temperature. It can control heating systems with one or two heating circuits and optional mixer. Further heating circuits with mixer can be regulated by the Vitotronic 200-H, allowing up to 96 additional heating circuits to be controlled.

The integral diagnostic system and programming unit with plain text and a backlit display make for exceptionally convenient operation. External devices are connected easily via system plugs.

Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.



Vitorond 200

125 to 270 kW

- 1 Combustion chamber (first flue)
- 2 Second hot gas flue
- 3 Third hot gas flue
- 4 Boiler and heating circuit control unit
- 5 Highly effective thermal insulation
- 6 Vitoflame 100 Unit pressure-jet oil burner



Vitorond 200, 125 to 270 kW



Vitorond 200, 320 to 1080 kW

Take advantage of these benefits

- Low temperature oil/gas boilers, 125 to 1080 kW
- Economical and environmentally responsible through modulating boiler water temperature
- Standard seasonal efficiency [to DIN] with fuel oil:
88 % (H_g) [gross cv] / 94 % (H_n) [net cv]
- Standard seasonal efficiency [to DIN] improved by up to 12 % due to condensing technology with Vitotrans 300 stainless steel flue gas/water heat exchanger
- Therm-Control in the output range 125 to 270 kW
- Fast and straightforward assembly of individual cast sections due to double groove system and resilient packing cord for permanent hot gas tightness
- Burner door can be pivoted to allow easy access to the combustion chamber and hot gas flues from the front for cleaning
- Standardised LON BUS for complete integration into building management systems
- Remote monitoring via the internet with Vitocom and Vitodata

For specification, see page 21

Specification



Oil condensing boiler Vitoradial 300-T, type VR3

Rated heating output 50/30 °C	kW	101	129	157	201	263	335	425	545
Rated heating output 80/60 °C	kW	94	120	146	188	245	313	407	522
Dimensions (overall) *									
Length	mm	2145	2345	2335	2670	2900	2900	2475	2620
Width	mm	755	755	825	825	905	905	1040	1040
Height	mm	1460	1460	1480	1480	1580	1580	1690	1690
Weight (boiler incl. thermal insulation, burner and boiler control unit)									
	kg	510	545	610	680	870	970	1190	1305
Boiler water capacity	l	185	225	265	310	490	450	600	650

* Details excluding burner and hood for 425 and 545 kW



Oil/gas boiler Vitoplex 300, type TX3A

Rated heating output	kW	90	115	140	180	235	300	390	500
Dimensions (overall) *									
Length	mm	1700	1905	1910	2110	2330	2330	1945	2090
Width	mm	755	755	825	825	905	905	1040	1040
Height	mm	1315	1315	1350	1350	1460	1460	1625	1625
Weight (boiler incl. thermal insulation, burner and boiler control unit)									
	kg	440	475	540	600	790	890	1085	1330
Boiler water capacity	l	170	210	250	290	470	430	600	630

* Details excluding burner and hood for 390 and 500 kW



Rated heating output	kW	620	780	1000	1250	1600	2000
Dimensions (overall) *							
Length	mm	2320	2320	2570	2570	3220	3220
Width (incl. control unit)	mm	1460	1460	1555	1555	1660	1660
Height	mm	1690	1690	1920	1920	2140	2140
Weight (boiler incl. thermal insulation and boiler control unit)							
	kg	1800	1900	2645	2815	3780	4080
Boiler water capacity	l	965	900	1510	1440	2475	2315

* Details excluding burner and hood



Oil/gas boiler Vitoplex 200, type SX2A

Rated heating output	kW	90	120	150	200	270	350	440	560
Dimensions (overall)*									
Length	mm	1660	1860	1865	2060	2085	1860	1885	2030
Width	mm	755	755	825	825	905	905	1040	1040
Height	mm	1315	1315	1350	1350	1460	1460	1625	1625
Weight* (boiler incl. thermal insulation, burner and boiler control unit)	kg	375	420	485	535	710	760	990	1095
Boiler water capacity	l	180	210	255	300	400	445	600	635

* Details refer to 350 to 560 kW, excluding burner and hood



Rated heating output	kW	700	900	1100	1300	1600	1950
Dimensions (overall)*							
Length	mm	2280	2580	2530	2750	3175	3175
Width	mm	1460	1460	1555	1555	1660	1660
Height	mm	1690	1690	1920	1920	2140	2140
Weight (boiler incl. thermal insulation and boiler control unit)	kg	1640	1780	2285	2475	3210	3370
Boiler water capacity	l	935	1325	1525	1690	2510	2420

* Details excluding burner and hood



Oil/gas boiler Vitorond 200, type VD2A

Rated heating output	kW	125	160	195	230	270
Dimensions (overall)						
Length	mm	905	1075	1240	1410	1580
Width	mm	860	860	860	860	860
Height	mm	1210	1210	1210	1210	1210
Weight (boiler incl. thermal insulation, burner and boiler control unit)	kg	545	655	760	850	965
Boiler water capacity	l	122	154	186	217	249



Oil/gas boiler Vitorond 200, type VD2

Rated heating output	kW	320	380	440	500	560	630
Dimensions (overall)							
Length	mm	1490	1620	1750	1880	2010	2140
Width	mm	1090	1090	1090	1090	1090	1090
Height	mm	1480	1480	1480	1480	1480	1480
Weight (boiler incl. thermal insulation and boiler control unit)	kg	1780	1950	2110	2260	2430	2580
Boiler water capacity	l	247	275	303	331	359	387

Rated heating output	kW	700	780	860	950	1080
Dimensions (overall)						
Length	mm	2270	2400	2530	2660	2790
Width	mm	1090	1090	1090	1090	1090
Height	mm	1480	1480	1480	1480	1480
Weight (boiler incl. thermal insulation and boiler control unit)	kg	2740	2910	3070	3220	3380
Boiler water capacity	l	415	443	471	499	527

Gas
condensing boilers

Vitocrossal 300
Vitocrossal 200
29 to 1400 kW



VITOCROSSAL

Advanced condensing technology makes the Vitocrossal a frugal condensing boiler for many different applications.

The Vitocrossal range, from 87 to 1400 kW, offers a perfect solution for every application – from heating apartment buildings and public or commercial premises, through to generating heat in local heating networks.

Advanced condensing technology

The stainless steel Inox-Crossal heat exchanger provides ideal conditions for utilising condensing technology. It allows the condensate created by the condensing process to simply run off downwards. Combined with its smooth stainless steel surface, this creates a permanent self-cleaning effect, thus ensuring a permanently high utilisation of condensing technology, resulting in a longer service life whilst reducing the need for maintenance work.

The Vitocrossal 300 is available with a factory-fitted MatriX radiant burner or prepared for fitting ELCO or Weishaupt pressure-jet gas burners.

The highly effective heat transfer and high condensation rate enable standard seasonal efficiency [to DIN] up to 98 % (H_g) [gross cv] / 109 % (H_i) [net cv] to be achieved. These high levels of efficiency are the result of the countercurrent principle of hot gases and boiler water, along with intensive turbulence of the hot gases as they pass over the heating surface.



Vitocrossal 300

Gas condensing boiler with MatriX radiant burner, 29 to 142 kW



Vitocrossal 300

Gas condensing boiler with MatriX cylinder burner 135 to 630 kW, as twin boiler system up to 1260 kW



Vitocrossal 300

Gas condensing boiler 187 to 635 kW with MatriX radiant burner up to 314 kW



Vitocrossal 300

Gas condensing boiler, alternatively with ELCO or Weishaupt pressure-jet gas burner 787 to 1400 kW



Vitocrossal 200

Gas condensing boiler with MatriX radiant burner 87 to 311 kW, as twin boiler system up to 622 kW



Vitocrossal 200

Gas condensing boiler with MatriX cylinder burner 400 to 620 kW

The Vitocrossal 300 is a floorstanding gas condensing boiler with Inox-Crossal heat exchanger and MatriX radiant burner, with output ranging from 29 to 142 kW.

The Vitocrossal 300 gas condensing boiler is the right solution for any application – including heating for apartment buildings, public and commercial premises.

Advanced condensing technology

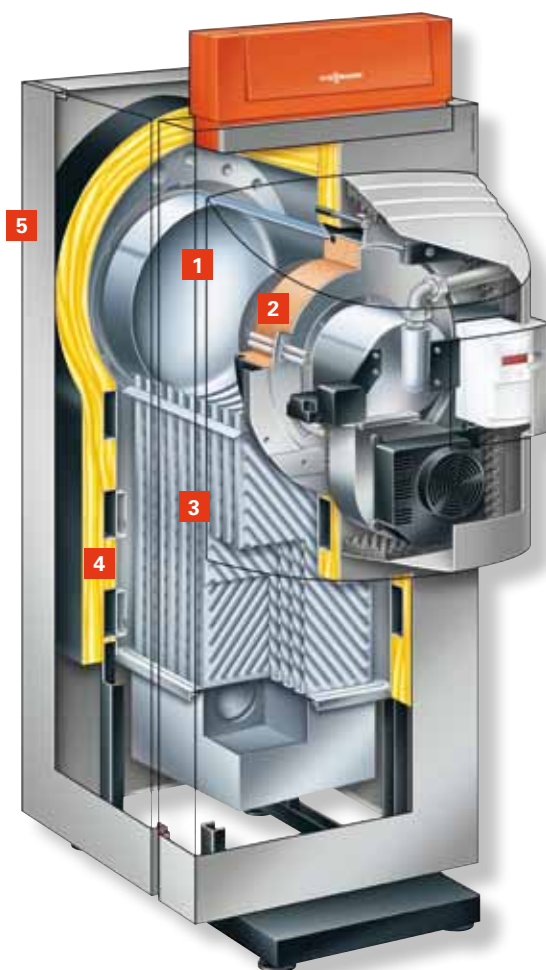
The stainless steel Inox-Crossal heat exchanger provides ideal conditions for utilising condensing technology. It allows the condensate created by the condensing process to simply run off downwards. Combined with its smooth stainless steel surface, this creates a permanent self-cleaning effect, thus ensuring a permanently high utilisation of condensing technology, resulting in a longer service life whilst reducing the need for maintenance work.

Intensive utilisation of hot gases

With its vertically arranged heat exchanger surfaces, the Vitocrossal 300 exploits the condensation energy in its heating gases particularly intensively. This results in efficiency of up to 98 percent.

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 and solar yield.

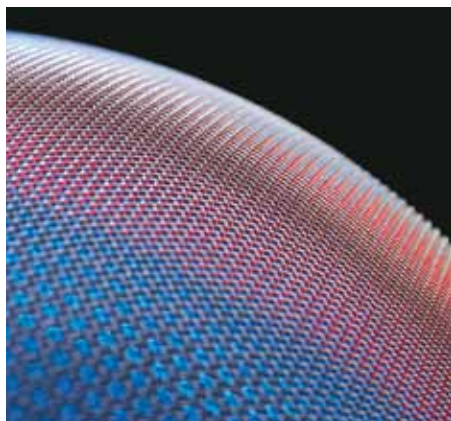


Vitocrossal 300

- 1 Stainless steel combustion chamber
- 2 MatriX radiant burner
- 3 Inox-Crossal heat exchanger
- 4 Highly effective thermal insulation
- 5 Two return connectors



Vitocrossal 300, 29 to 142 kW



MatriX radiant burner

Take advantage of these benefits

- Gas condensing boiler, 29 to 142 kW
- Standard seasonal efficiency [to DIN] up to:
98 % (H_g) [gross cv] / 109 % (H_l) [net cv]
- Stainless steel Inox-Crossal heat exchanger for efficient utilisation of condensing technology – smooth stainless steel surfaces create self-cleaning effect
- Modulating MatriX radiant burner with a wide modulation range (30 to 100 %) for particularly quiet, economical and environmentally responsible operation
- Excellent controllability and reliable heat transfer through wide water galleries and large water capacity
- Second return connector for low return temperatures resulting in an especially intensive utilisation of condensing technology
- Easy-to-operate Vitotronic control unit with plain text and graphic display
- A strong draught in the flue outlet makes it possible to use long ventilation air and flue pipes

For specification, see page 38

With the Vitocrossal 300, type CT3U, Viessmann offers high grade condensing technology from 400 to 630 kW with an outstanding price/performance ratio.

The Vitocrossal 300 is built from proven components using Viessmann condensing technology and is equipped with an Inox-Crossal heat exchanger. In addition, it is equipped with the MatriX cylinder burner.

Balanced flue operation

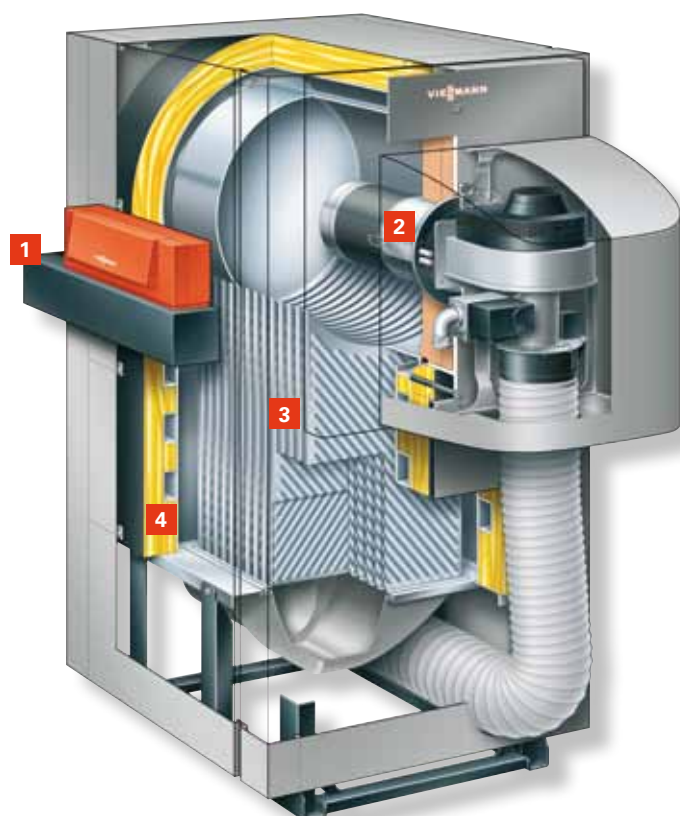
Across its entire output range, the Vitocrossal 300 can be operated in open flue or balanced flue mode, allowing this condensing boiler to be sited anywhere inside the building.

Robust burner with a long service life

The MatriX cylinder burner, developed and manufactured in-house, is characterised by a long service life thanks to its stainless steel MatriX gauze.

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 and solar yield.



Vitocrossal 300

- 1 Vitotronic control unit
- 2 MatriX cylinder burner
- 3 Inox-Crossal heat exchanger
- 4 Highly effective thermal insulation



Vitocrossal 300, 135 to 630 kW



Inox-Crossal heat exchanger for highly effective heat transfer and condensation rate

Take advantage of these benefits

- Gas condensing boiler, 400 to 630 kW, as twin boiler system up to 1260 kW
- Standard seasonal efficiency [to DIN] up to:
98 % (H_g) [gross cv] / 109 % (H_l) [net cv]
- The stainless steel, corrosion-resistant Inox-Crossal heat exchanger ensures high operational reliability and a long service life
- Inox-Crossal heat exchanger for highly effective heat transfer and a high condensation rate
- Smooth stainless steel surface creates self-cleaning effect
- MatriX cylinder burner for particularly quiet, economical and environmentally responsible operation, with a modulation range from 33 to 100 %
- Either open flue or balanced flue operation
- Cascade with pre-assembled accessories on the hydraulic and flue gas side
- Easy-to-operate Vitotronic control unit with plain text and graphic display

For specification, see page 38

The Vitocrossal 300, type CT3B, is a floorstanding gas condensing boiler with Inox-Crossal heat exchanger and MatriX radiant burner (up to 314 kW). Vitocrossal 300 gas condensing boilers are also available factory fitted with ELCO or Weishaupt pressure-jet gas burners.

Advanced condensing technology

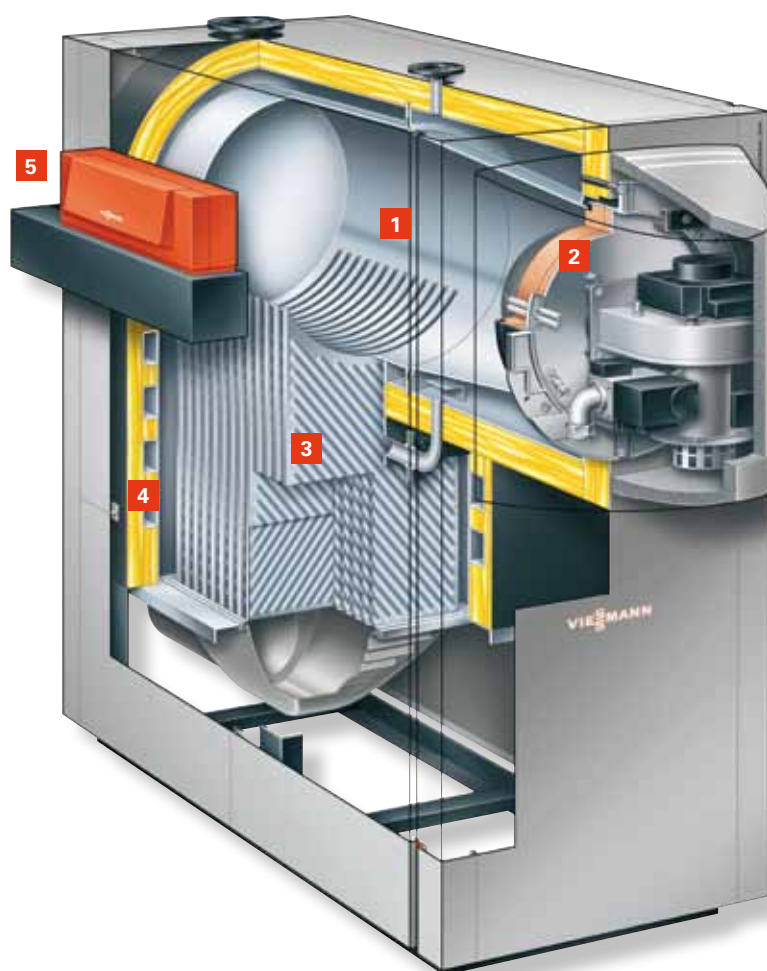
The design of the Inox-Crossal heat exchanger enables the Vitocrossal 300 to produce high output levels, whilst retaining its modest dimensions and low weight. In addition, the Vitocrossal 300 can be delivered in two sections to facilitate handling.

The highly effective heat transfer and high condensation rate enable standard seasonal efficiency [to DIN] up to 98 % (H_s) [gross cv] / 109 % (H_i) [net cv] to be achieved. These high levels of efficiency are the result of the countercurrent principle of hot gases and boiler water, along with intensive turbulence of the hot gases as they pass over the heating surface.

The second return connector of the Vitocrossal 300 enables a hydraulic connection particularly suited to the utilisation of condensing technology.

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 and solar yield.



Vitocrossal 300

- 1 Stainless steel combustion chamber
- 2 MatriX radiant burner (up to 314 kW)
- 3 Inox-Crossal heat exchanger
- 4 Highly effective thermal insulation
- 5 Vitotronic control unit



Vitocrossal 300, 187 to 314 kW



Vitocrossal 300, 408 to 635 kW with boiler door

Take advantage of these benefits

- Gas condensing boiler, 187 to 635 kW
- Standard seasonal efficiency [to DIN] up to:
98 % (H_g) [gross cv] / 109 % (H_l) [net cv]
- The stainless steel, corrosion-resistant Inox-Crossal heat exchanger ensures high operational reliability and a long service life
- Smooth stainless steel surface creates self-cleaning effect
- Clean combustion through low combustion chamber loading and straight-through combustion chamber design
- MatriX radiant burner up to 314 kW for particularly quiet, economical and environmentally responsible operation, with a modulation range from 30 to 100 %
- Alternatively with ELCO or Weishaupt pressure-jet gas burner
- Two return connectors for hydraulic connection optimised for condensing technology
- Easy-to-operate Vitotronic control unit with plain text and graphic display

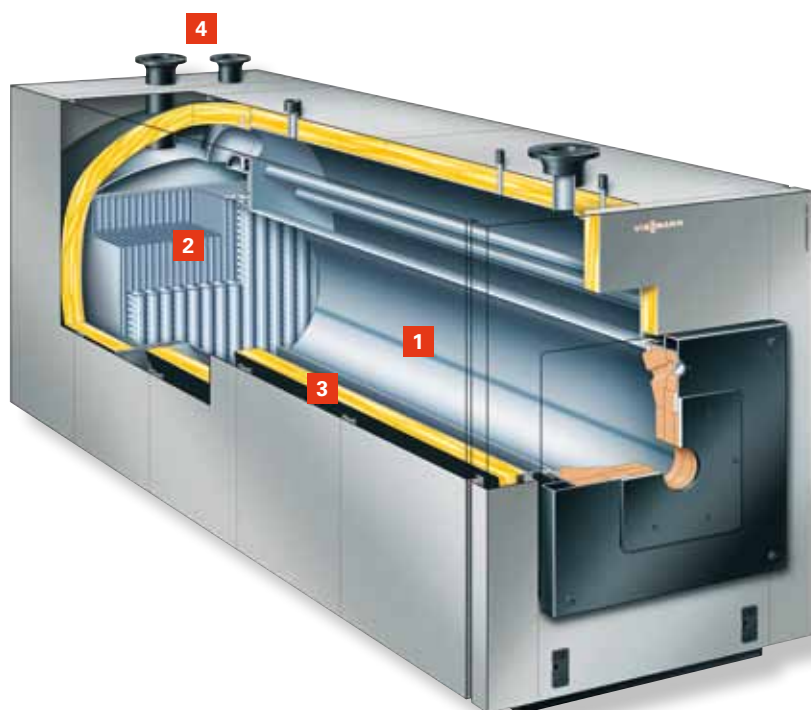
For specification, see page 38

The Vitocrossal 300, type CR3B, is a leading product amongst floorstanding gas condensing boilers, available from 787 to 1400 kW. As a single boiler system, it is the most powerful condensing boiler in the comprehensive range offered by Viessmann. This makes it just as suitable for residential complexes as for local heating networks, larger public and commercial buildings and industrial plants.

Advanced condensing technology

The design of the Inox-Crossal heat exchanger enables the Vitocrossal 300 to deliver a higher output of up to 1400 kW, whilst retaining its modest dimensions and low weight. In addition, the split design of the heat exchanger module and combustion chamber module facilitates handling.

The highly effective heat transfer and high condensation rate enable standard seasonal efficiency [to DIN] up to 98 % (H_g) [gross cv] / 109 % (H_f) [net cv] to be achieved. These high levels of efficiency are the result of the countercurrent principle of hot gases and boiler water, along with intensive turbulence of the hot gases as they pass over the heating surface.



The second return connector of the Vitocrossal 300 enables a hydraulic connection particularly suited to the utilisation of condensing technology.

Vitocrossal 300 gas condensing boilers are available factory fitted with ELCO or Weishaupt pressure-jet gas burners.

Convenient, high-performance control unit

Economical and safe operation of your heating system is ensured by the Vitotronic control system with communication capability. The high-performance Vitotronic 300 control unit is now positioned on the side of the boiler for easier operability. Up to four boilers with modulating boiler water temperature can be regulated, as can systems with one and two heating circuits with optional mixer.

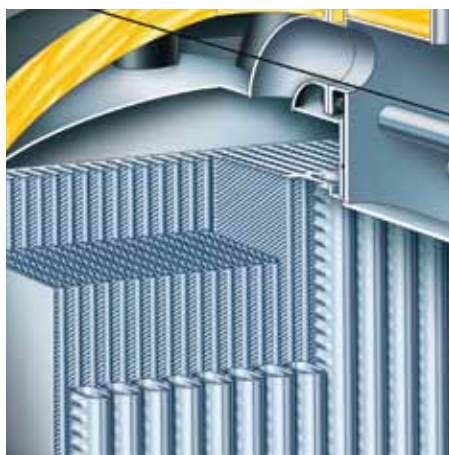
The plain text and the backlit display make this control unit, with its integral diagnostic system, exceptionally convenient to use. External devices are connected easily via system plugs. Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.

Vitocrossal 300

- 1 Stainless steel combustion chamber
- 2 Inox-Crossal heat exchanger
- 3 Highly effective thermal insulation
- 4 Two return connectors



Vitocrossal 300, 787 to 1400 kW



Inox-Crossal heat exchanger for highly effective heat transfer and condensation rate

Take advantage of these benefits

- Gas condensing boiler, 787 to 1400 kW
- Standard seasonal efficiency [to DIN] up to: 98 % (H_g) [gross cv] / 109 % (H_l) [net cv]
- The stainless steel, corrosion-resistant Inox-Crossal heat exchanger ensures high operational reliability and a long service life
- Smooth stainless steel surface creates self-cleaning effect
- Clean combustion through low combustion chamber loading and straight-through combustion chamber design
- Alternatively with ELCO or Weishaupt pressure-jet gas burner
- Split design for easy handling
- Two return connectors for hydraulic connection optimised for condensing technology
- Easy-to-operate Vitotronic control unit with plain text and graphic display

For specification, see page 38

With the Vitocrossal 200, type CM2, Viessmann offers high grade condensing technology from 87 to 311 kW with an outstanding price/performance ratio.

The Vitocrossal 200 is built from proven Viessmann condensing technology components and, like the Vitocrossal 300, is also equipped with an Inox-Crossal heat exchanger with MatriX radiant burner.

The Vitocrossal 200 is suitable for open and balanced flue operation across its entire output range.

Twin boiler systems

For output levels of 87 kW and above, two Vitocrossal 200 boilers can also be operated as a cascade with the same control unit and a single flue. For twin boiler systems, Viessmann supplies specifically designed flue gas headers made from stainless steel as well as the hydraulic system pipework.

Convenient and powerful control units

Economical and safe operation of your heating system is ensured by the digital Vitotronic control unit with communication capability.

The Vitotronic 300-K is a particularly powerful version for operating multi boiler systems comprising up to four individual boilers with modulating boiler water temperature. It can control heating systems with one or two heating circuits and optional mixer. Further heating circuits with mixer can be regulated by the Vitotronic 200-H, allowing up to 96 additional heating circuits to be controlled.

The integral diagnostic system and programming unit with plain text and a backlit display make for exceptionally convenient operation. External devices are connected easily via system plugs.

Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.



Vitocrossal 200

- 1** Vitotronic control unit
- 2** MatriX radiant burner
- 3** Inox-Crossal heat exchanger
- 4** Highly effective thermal insulation
- 5** Wide water galleries for good natural circulation



Twin boiler system with Vitocrossal 200 up to 622 kW



MatriX radiant burner

Take advantage of these benefits

- Gas condensing boiler, 87 to 311 kW, as dual cascade up to 622 kW
- Standard seasonal efficiency [to DIN] up to:
97 % (H_s) [gross cv] / 108 % (H_i) [net cv]
- The stainless steel, corrosion-resistant Inox-Crossal heat exchanger ensures high operational reliability and a long service life
- Inox-Crossal heat exchanger for highly effective heat transfer and a high condensation rate
- Smooth stainless steel surface creates self-cleaning effect
- Clean combustion through low combustion chamber loading and straight-through combustion chamber design
- MatriX radiant burner for particularly quiet, economical and environmentally responsible operation, with a modulation range from 33 to 100 %
- Either open flue or balanced flue operation
- All hydraulic connections can be fitted from above
- Easy-to-operate Vitotronic control unit with plain text and graphic display

For specification, see page 39



Inox-Crossal heat exchanger for highly effective heat transfer and condensation rate

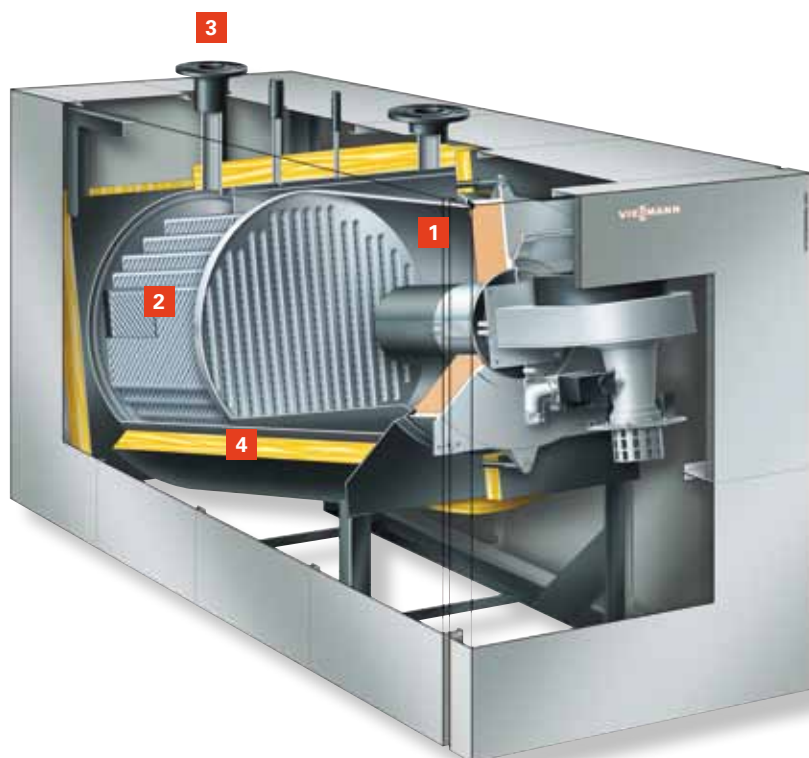
The Vitocrossal 200, type CM2, is a floorstanding gas condensing boiler, available from 400 to 620 kW. As a single or multi boiler system, it is just as suitable for residential complexes as for local heating networks, larger public and commercial buildings and industrial plants.

Advanced condensing technology

The stainless steel Inox-Crossal heat exchanger provides ideal conditions for utilising condensing technology. It allows the condensate created by the condensing process to simply run off downwards. Combined with its smooth stainless steel surface, this creates a permanent self-cleaning effect, thus ensuring a permanently high utilisation of condensing technology, resulting in a longer service life whilst reducing the need for maintenance work.

The highly effective heat transfer and high condensation rate enable standard seasonal efficiency [to DIN] up to 97 % (H_g) [gross cv] / 108 % (H_i) [net cv] to be achieved.

Vitocrossal 200 gas condensing boilers are available factory fitted with a MatriX cylinder burner, with a modulation range from 20 to 100 percent.



Convenient and powerful Vitotronic control unit

Economical and safe operation of your heating system is ensured by the Vitotronic control unit with communication capability. The high-performance Vitotronic 300 control unit is now positioned on the side of the boiler for easier operability. Up to four boilers with modulating boiler water temperature can be regulated, as can systems with one or two heating circuits with optional mixer.

Balanced flue operation

Balanced flue operation is possible, and allows flexible installation of the condensing boiler inside the building.



MatriX cylinder burner

Vitocrossal 200

- 1 Stainless steel combustion chamber
- 2 Inox-Crossal heat exchanger made from stainless steel
- 3 Return connector
- 4 Highly effective thermal insulation



Vitocrossal 200, 400 to 620 kW



Weather-compensated boiler and heating circuit control unit
Vitotronic 300, type GW4B

Take advantage of these benefits:

- Single boiler system with condensing technology, rated heating output 400 to 620 kW (at a heating water temperature of 50/30 °C) rated heating output 370 to 575 kW (at a heating water temperature of 80/60 °C)
- Standard seasonal efficiency [to DIN] up to: 97 % (H_s) [gross cv] / 108 % (H_i) [net cv]
- Inox-Crossal heat exchanger for highly effective heat transfer and high condensation rate
- Smooth stainless steel surfaces create self-cleaning effect
- Clean combustion through low combustion chamber loading and straight-through combustion chamber design
- Matrix cylinder burner for particularly quiet and environmentally responsible operation, with a modulation range of 20 to 100 %
- Either open flue or balanced flue operation
- All hydraulic connections on the system side can be made from above
- Easy-to-operate Vitotronic control unit with plain text and graphic display

For specification, see page 39

The Vitogas 200-F is an atmospheric gas boiler, recommended as an attractively priced heating solution for larger buildings.

Higher output, lower emissions

The Vitogas 200-F is not only frugal in its space requirements, but also in respect of initial outlay and energy consumption.

This boiler is characterised by low emissions and minimal energy consumption. Subject to the outside temperature, the boiler water temperature modulates to match the actual heat demand. This is a definite plus where budget and the environment are concerned.

Bank on Viessmann quality

The heating surfaces of this boiler are made from proven special cast iron and the dimensions have been designed for the lowest possible heating surface load, even when temperatures fluctuate, so you can enjoy your new gas boiler for longer. This way, you benefit from high operational reliability and a long service life.

Supplied assembled or in sections

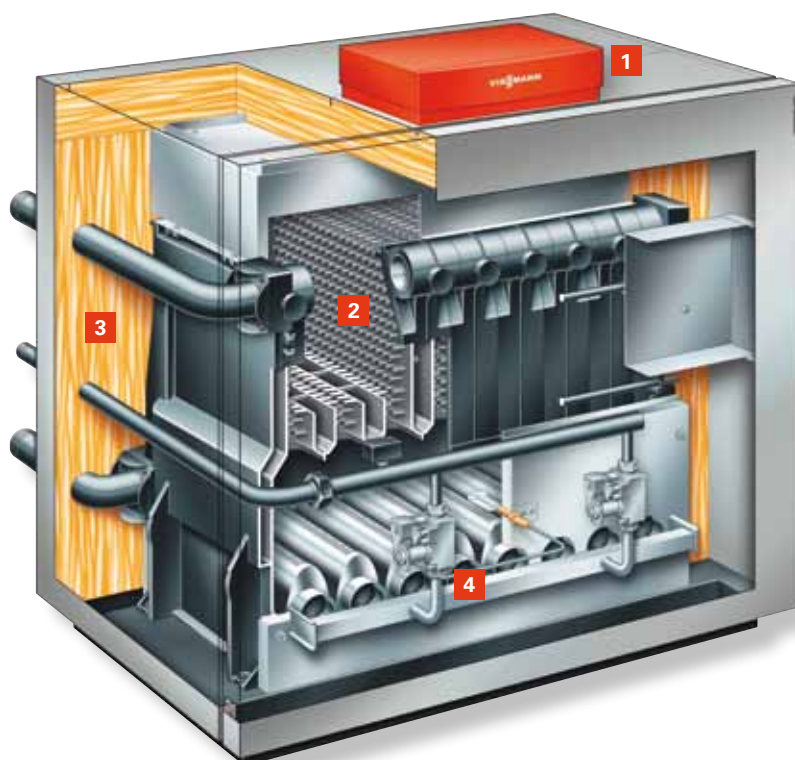
Subject to the available space, the Vitogas 200-F for sizes 72 to 144 kW can be supplied either with a fully assembled boiler body or in individual cast sections. The latter is a particularly useful option when modernising existing systems in older buildings, where a new heating centre needs to be transported through narrow stairwells and narrow passages.

Convenient and powerful control units

Economical and safe operation of your heating system is ensured by the digital Vitotronic control unit with communication capability.

The integral diagnostic system and programming unit with plain text and a backlit display make for exceptionally convenient operation. External devices are connected easily via system plugs.

Standardised LON technology enables complete integration into building management systems. Remote monitoring is possible anytime via internet TeleControl with Vitocom and Vitodata.

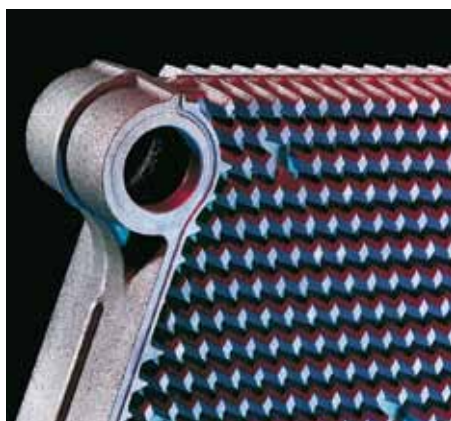


Vitogas 200-F

- 1** Vitotronic control unit
- 2** Heating surface made from special cast iron with lamellar graphite
- 3** Highly effective thermal insulation
- 4** Atmospheric premix burner



Vitogas 200-F, 72 to 144 kW



Heating surface made from special cast iron with lamellar graphite

Take advantage of these benefits

- Atmospheric low temperature gas boiler, 72 to 144 kW
- Heating surfaces made from special cast iron with lamellar graphite and low heating surface load, for high operational reliability and a long service life
- Clean combustion thanks to atmospheric premix burner
- Standard seasonal efficiency [to DIN] up to:
84 % (H_s) [gross cv] / 93 % (H_p) [net cv]
- Highly reliable and gentle, low noise ignition through intermittent ignition system
- Boiler body available fully assembled as block or in separate cast sections

For specification, see page 39

Gas condensing and low temperature boilers

Specification



Gas condensing boiler Vitocrossal 300, type CM3

Rated heating output 50/30 °C	kW	29 – 87	38 – 115	47 – 142
Rated heating output 80/60 °C	kW	27 – 80	35 – 105	43 – 130
Dimensions (overall)				
Length	mm	1025	1025	1025
Width	mm	690	690	690
Height	mm	1865	1865	1865
Total weight (boiler incl. burner, thermal insulation and boiler control unit)				
	kg	253	258	261
Boiler water capacity	l	116	113	110



Gas condensing boiler Vitocrossal 300, type CT3U

Rated heating output 50/30 °C	kW	135 – 400	168 – 500	209 – 630
Rated heating output 80/60 °C	kW	123 – 370	153 – 460	192 – 575
Dimensions (overall)				
Length	mm	1820	1900	2055
Width	mm	1200	1200	1200
Height	mm	1985	1985	1985
Total weight (boiler incl. burner, thermal insulation and boiler control unit)				
	kg	740	795	935
Boiler water capacity	l	261	325	405



Gas condensing boiler Vitocrossal 300, type CT3B

Rated heating output 50/30 °C	kW	187	248	314	408	508	635
Rated heating output 80/60 °C	kW	170	225	285	370	460	575
Dimensions (overall)							
Length	mm	1636	1714	1795	1871	1949	2105
Width	mm	1889*	1967*	2045*	1104	1104	1104
Height	mm	1959	2009	2032	2290	2290	2290
Total weight (boiler incl. burner, thermal insulation and boiler control unit)							
	kg	608	660	683	937	982	1098
Boiler water capacity	l	240	265	300	460	500	540

* with Matrix radiant burner



Gas condensing boiler Vitocrossal 300, type CR3B

Rated heating output 50/30 °C	kW	787	978	1100	1400
Rated heating output 80/60 °C	kW	720	895	1006	1280
Dimensions (overall)					
Length	mm	3021	3221	3338	3688
Width incl. thermal insulation	mm	1114	1114	1296	1296
Width incl. control unit	mm	1281	1281	1463	1463
Height	mm	1550	1550	1550	1550
Total weight (boiler incl. thermal insulation and boiler control unit)					
	kg	1553	1635	1980	2185
Boiler water capacity	l	1407	1552	1558	1833



Gas condensing boiler Vitocrossal 200, type CM2

Rated heating output 50/30 °C	kW	29 – 87	38 – 115	47 – 142	47 – 186	82 – 246	104 – 311
Rated heating output 80/60 °C	kW	27 – 80	35 – 105	43 – 130	43 – 170	75 – 225	95 – 285
Dimensions (overall)							
Length	mm	1766	1766	1766	1795	1795	1795
Width	mm	816	816	816	916	916	916
Height	mm	1351	1351	1351	1450	1450	1450
Total weight (boiler incl. burner, thermal insulation and boiler control unit)		kg	272	281	285	331	347
Boiler water capacity	l	229	225	221	306	292	279



Gas condensing boiler Vitocrossal 200, type CM2

Rated heating output (50/30 °C)	kW	80 – 400	100 – 500	124 – 620
Rated heating output (80/60 °C)	kW	74 – 370	92 – 460	115 – 575
Dimensions (overall)				
Length	mm	2230	2385	2525
Width (incl. control unit)	mm	1245	1245	1295
Height	mm	1480	1510	1580
Weight	kg	597	687	758
Boiler water capacity	litre	402	430	503

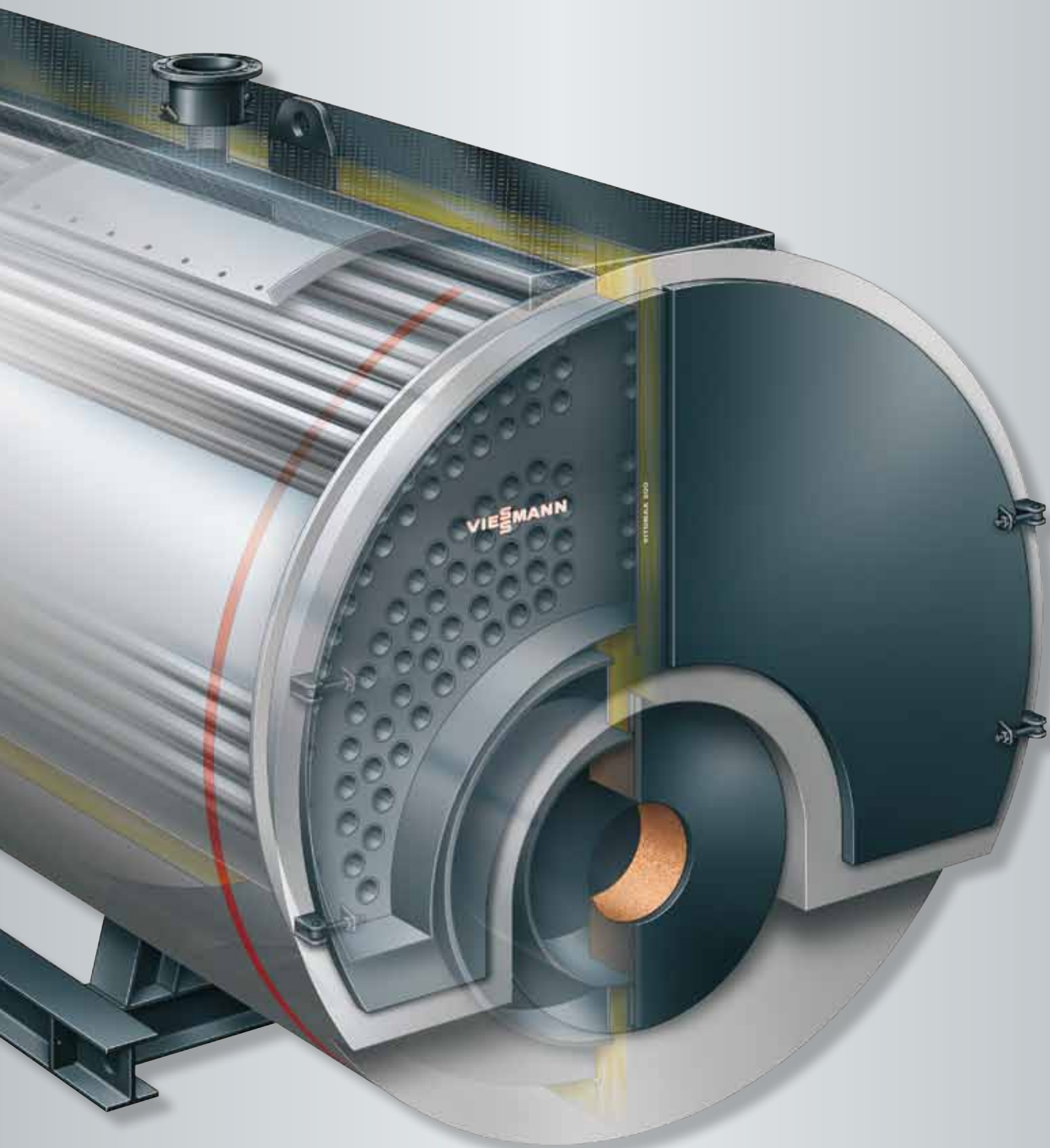


Low temperature gas boiler Vitogas 200-F, type GS2

Rated heating output 50/30 °C	kW	72	84	96	108	120	132	144
Dimensions (overall)								
Length	mm	1007	1007	1057	1057	1057	1057	1057
Width	mm	1010	1120	1220	1330	1430	1540	1640
Height (incl. control unit)	mm	1140	1140	1140	1140	1140	1140	1140
Weight (incl. thermal insulation, burner and boiler control unit)		kg	388	435	483	533	585	679
Boiler water capacity	l	37.6	43.0	48.3	53.6	59.0	64.3	69.6

Industrial/
commercial boilers
Hot water boilers

Steel industrial/commercial boilers
Hot water boilers
0.5 to 20 MW



VITOMAX

System solutions for economical hot water generation.

Clean and energy efficient provision of heat, and high operational safety and reliability, are essential requirements for central heating systems in large buildings and industrial plants. This requires competent consultation, a comprehensive range of services and heat generators with features that enable economical and futureproof heat generation.

Due to their design and equipment level, Vitomax industrial/commercial boilers deliver the best possible conditions for meeting individual customer requirements in a broad range of applications. The detailed design of the Vitomax boilers and the company's vast experience in building industrial boilers ensure superior quality, high operational reliability and a long service life. The comprehensive product range from Viessmann includes hot water boilers up to 20 MW.

Viessmann industrial/commercial boiler technology means perfectly coordinated system technology, including:

- Control and monitoring systems
- Instrumentation and control technology
- Pumps and valves
- Combustion systems with fuel supply
- Pressure maintaining systems
- Water treatment
- Pipeline systems and flue systems



Vitomax 300-LT

Type M343
Low temperature oil/gas hot water boiler
1.86 to 5.9 MW



Vitomax 300-LW

Type M82A and M84A
2.1 to 20 MW

Vitomax 200-LW

Type M62A and M64A
Low pressure oil/gas hot water boiler
2.3 to 20 MW



Vitomax 200-WS

Type M250
Low pressure oil/gas hot water boiler
1.75 to 11.63 MW



Vitomax 100-LW

Type M148
0.65 to 6 MW
Low pressure oil/gas hot water boiler with reversing combustion chamber



Vitomax 300-HW

Type M92A, M94A and M96A
2.1 to 20 MW

Vitomax 200-HW

High pressure oil/gas hot water boiler
Type M72A and M74A
2.3 to 16.5 MW
Type M236 and M238
0.52 to 18.2 MW

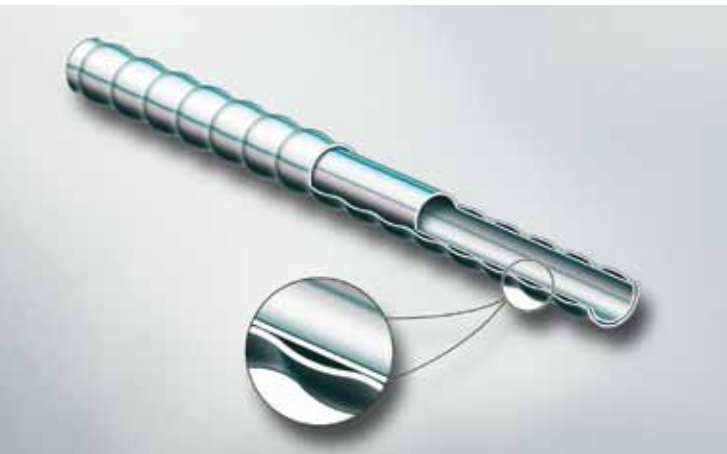
Low pressure
hot water boilers

Vitomax 300-LT
1.86 to 5.9 MW

Setting new standards: Vitomax 300-LT

The Vitomax 300-LT is a trendsetter in this output range – a three-pass low temperature boiler with multi layered convection heating surfaces made from duplex pipes and with low combustion chamber loading. This boiler is characterised by high standard seasonal efficiency [to DIN] and low emissions as well as excellent serviceability.

A typical application would be heating an apartment building where the system is operated in modulating mode, subject to the outside temperature.



Duplex pipe with multi layered convection heating surfaces for high operational reliability and a long service life



Finely honed technology

This boiler requires no minimum heating water flow rate – wide water galleries and large water content ensure excellent natural circulation and safe heat transfer. This simplifies the hydraulic boiler connections.

No additional intermediate flow piece is required. All necessary connections for a safety temperature of 110 °C are already fitted to the boiler.

Further characteristics of this finely honed boiler technology are the low pressure drop on the hot gas side as a result of convection heating surfaces with large hot gas pipes, low radiation losses due to 100 mm thick compound thermal insulation and the water-cooled front and rear reversing chambers.

Vitomax 300-LT

Type M343

- 1 Boiler with walk-on cover
- 2 Duplex pipe with multi layer convection heating surface
- 3 Water-cooled front hot gas reversing chamber
- 4 Large flame tube for clean combustion
- 5 Wide water galleries for good natural circulation and low thermal load



Vitomax 300-LT low temperature
hot water boiler

Take advantage of these benefits

- Standard seasonal efficiency [to DIN]: 96 % (H_f) [net cv]
- Standard seasonal efficiency [to DIN] improved by up to 10 % due to condensing technology with Vitotrans 300 stainless steel flue gas/water heat exchanger
- Low energy consumption through modulating boiler water temperature
- Low minimum return temperature of 38 °C when using oil and 45 °C when using gas
- High level of serviceability thanks to large cleaning door
- Load bearing cover on top of the boiler as part of standard delivery – simplifies installation and maintenance and protects the thermal insulation against accidental damage
- Economical and safe operation of your heating system is ensured by the digital Vitotronic control unit with communication capability

Vitomax 300/200-LW
Vitomax 200-WS/300/200-HW
 0.52 to 20 MW

Vitomax 300/200-LW

The Vitomax 300/200-LW are low pressure hot water boilers for permissible flow temperatures up to 120 °C, permissible operating pressures of 6, 10 and 16 bar and a rated heating output ranging from 2.1 to 20 MW.

The Vitomax 300-LW (low NO_x series) is a three-pass boiler with low combustion chamber loading. It is characterised by low NO_x emissions and excels in terms of its recently optimised resource efficiency, long service life and good serviceability.

- Forward-looking investment to comply with targets in energy and environmental policies
- Enables compliance with national regulations on emissions
- Environmental protection thanks to low flue gas temperatures and radiation losses
- More efficient utilisation of primary fuels

In the 200 LW series the M62A pack/system ensures that all components required for successful plant operation are perfectly matched. The components can be supplied factory-fitted and fully wired.

For commercial nurseries:

Vitomax 200-WS

The Vitomax 200-WS as three-pass boiler with low combustion chamber loading (< 1.0 MW/m³) was developed specifically for commercial nurseries. This low pressure hot water boiler operates in compliance with TRD 702 for a permissible flow temperature up to 110 °C and a maximum operating pressure of 3.0 bar. With a boiler efficiency of 94 percent this boiler is both economical and efficient.

The additional circulation line in the lower boiler section is designed for the internal circulation of the boiler water providing optimum heat distribution inside the boiler.

Easy to service and with high load capacity

Exceptional operational reliability and a long service life characterise all Vitomax models. This is ensured by wide water galleries and a large water content with excellent natural circulation for reliable heat transfer. In continuous operation Vitomax hot water boilers excel in terms of serviceability, thanks to the inclusion of water-cooled reversing chambers without lining. The large cleaning doors further contribute to low maintenance costs. The load bearing cover on top of the boiler is part of the standard delivery. It simplifies installation and maintenance and protects the thermal insulation against accidental damage.

Vitomax 300/200-HW

The Vitomax 300/200-HW are high pressure oil/gas hot water boilers for permissible flow temperatures up to 240 °C (Vitomax 300-HW, type M96A), 150 °C (Vitomax 300-HW, type M92A and M94A), 205 °C (Vitomax 200-HW, type M236 and M238), 150 °C (Vitomax 200-HW, type M72A and M74A) and permissible operating pressures of 6 to 30 bar (Vitomax 300-HW, type M96A), 6, 10 and 16 bar (Vitomax 300-HW, type M92A and M94A), 6 to 25 bar (Vitomax 200-HW, type M236 and M238) and 6, 10 and 16 bar (Vitomax 200-HW, type M72A and M74A). These boilers are typically suited to use in district heating networks and industrial operations.

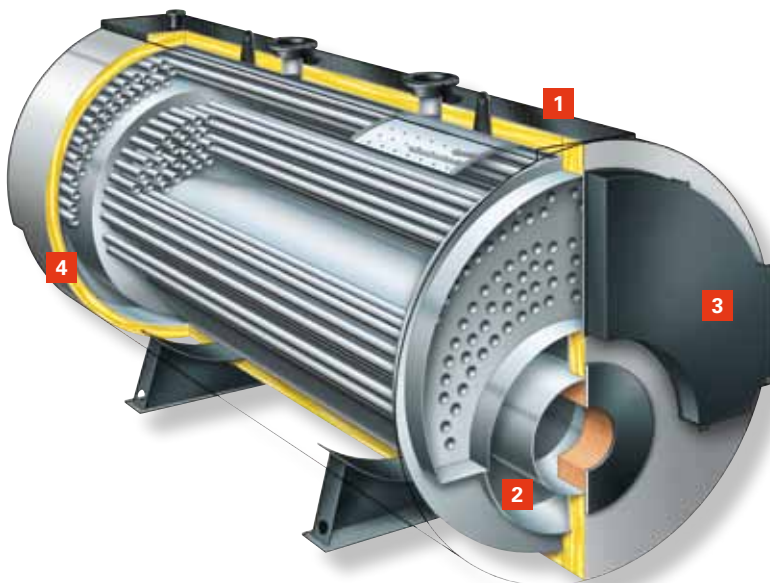
Reliable technology

No minimum heating water flow rate is required for the Vitomax. Wide water galleries and large water content provide excellent natural circulation and reliable heat transfer, which facilitates the hydraulic connection. Last but not least, the Vitomax features a low pressure drop on the hot gas side through convection heating surfaces with large hot gas pipes.

Vitomax 200-LW

Type M62A

- Boiler with walk-on cover
- Water-cooled burner insertion point for low nitrogen oxide emissions
- Large, lightweight cleaning doors
- Wide water galleries for good natural circulation and low thermal load





Vitomax 200-HW high pressure hot water boiler

Quick commissioning through pre-assembled containerised systems

Time is money – particularly for industrial and commercial enterprises, where new heating centres often have to be operational in the shortest possible time, so that heat for production can be supplied on time. For time saving installation and commissioning, Viessmann now also offers complete Vitomax hot water systems as pre-assembled containerised solutions that are compact and easy to transport.

Saving time on installation

In addition to the Vitomax boilers, systems of this magnitude include a range of further essential components, such as facilities to analyse and treat the boiler water and distribute heat, pressure maintaining systems and a control centre. The various assemblies are each precisely tailored to the customer's specific requirements.

Take advantage of these benefits

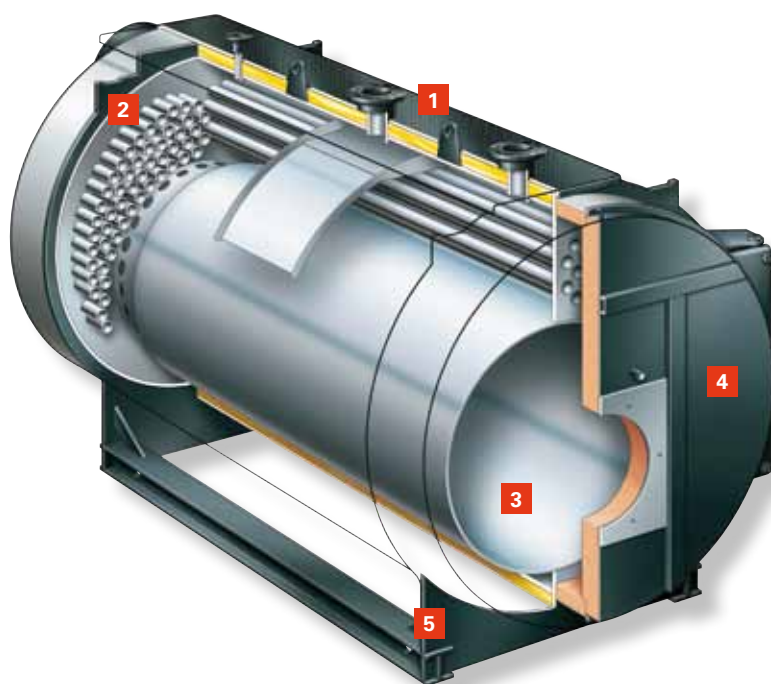
- Clean combustion with low nitrogen oxide emissions
- No minimum heating water flow rate required – wide water galleries and a large water content provide excellent natural circulation and reliable heat transfer – simplified hydraulic connection
- Low pressure drop on the hot gas side through convection heating surfaces with large hot gas pipes
- Composite thermal insulation ensures low radiation losses
- The Vitocontrol control panel enables the regulation of all boiler-related control equipment
- Approval in accordance with the European Pressure Equipment Directive 97/23/EC or the Gas Appliances Directive 2009/142/EC

Steel industrial/
commercial boilers
Hot water boilers

Vitomax 100-LW
0.65 to 6 MW



Vitomax 100-LW,
low pressure hot water boiler



Well insulated: Vitomax 100-LW

The Vitomax 100-LW is a hot water boiler for permissible flow temperatures up to 110 °C and for constant temperature operation. The permissible operating pressure ranges from 6 to 10 bar; the rated heating output lies between 0.65 and 6 MW. The robust design of this boiler is one of its key features.

Benefits for installation and maintenance

The load-bearing cover at the top of the boiler is part of the standard delivery. It makes installation and maintenance easier and protects the thermal insulation against damage.

A large, lightweight inspection door hinged on the left or right makes it easier to clean the boiler.

Vitomax 100-LW

Any pack or system is only as good as its components. This is the guiding principle for Viessmann in the selection of its system components. Apart from demands for the highest quality and flexibility, interaction between the individual components is of vital importance.

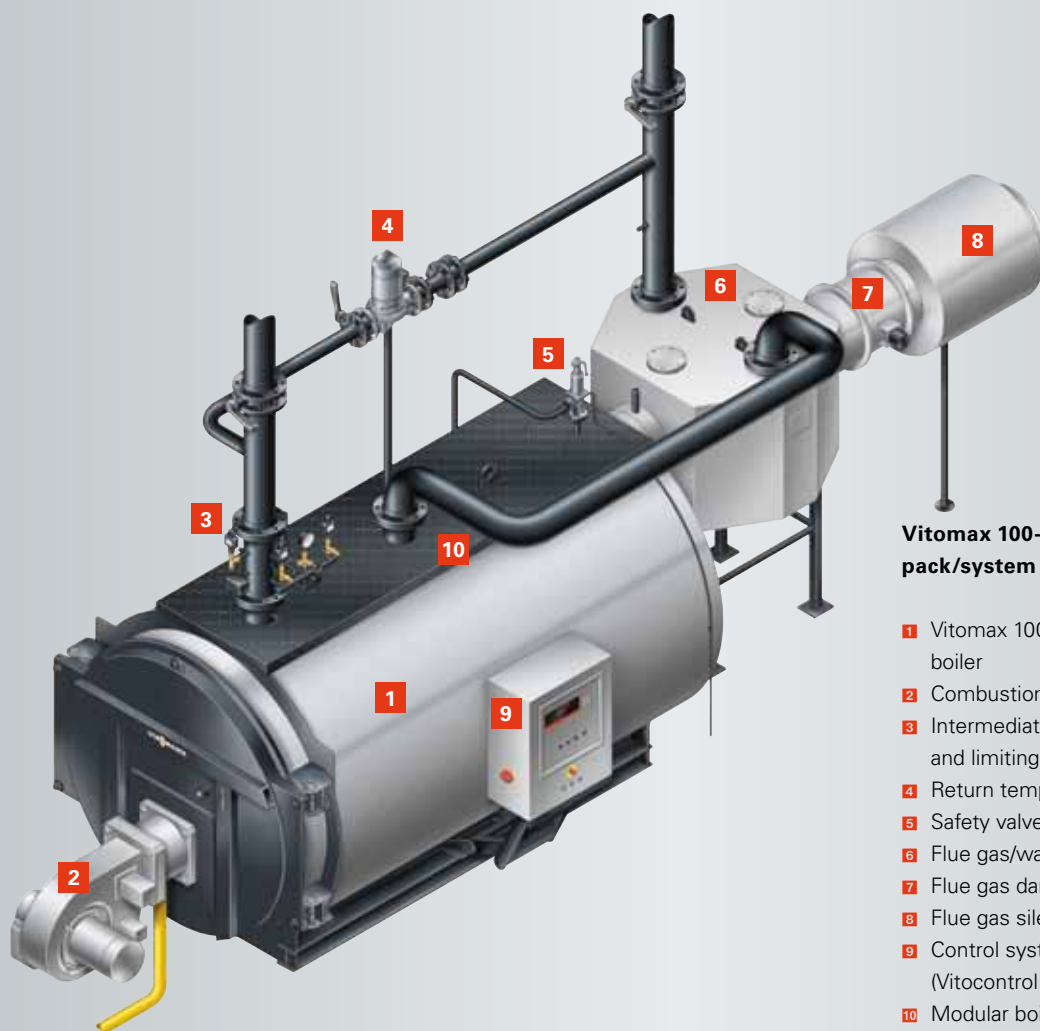
The Vitomax 100-LW (type M148) pack/system meets these requirements in full. It appeals with a uniform appearance in the Viessmann design.

With only one part number the system is straightforward to order and can easily be expanded with matching options. These include for example the heat exchanger, flue gas damper and flue gas silencer.

Vitomax 100-LW

Type M148

- 1** Boiler with walk-on cover
- 2** Wide water galleries for good natural circulation and low thermal load
- 3** Large reversing combustion chamber
- 4** Lightweight boiler door hinged on the left or right
- 5** Robust base frame with longitudinal supports



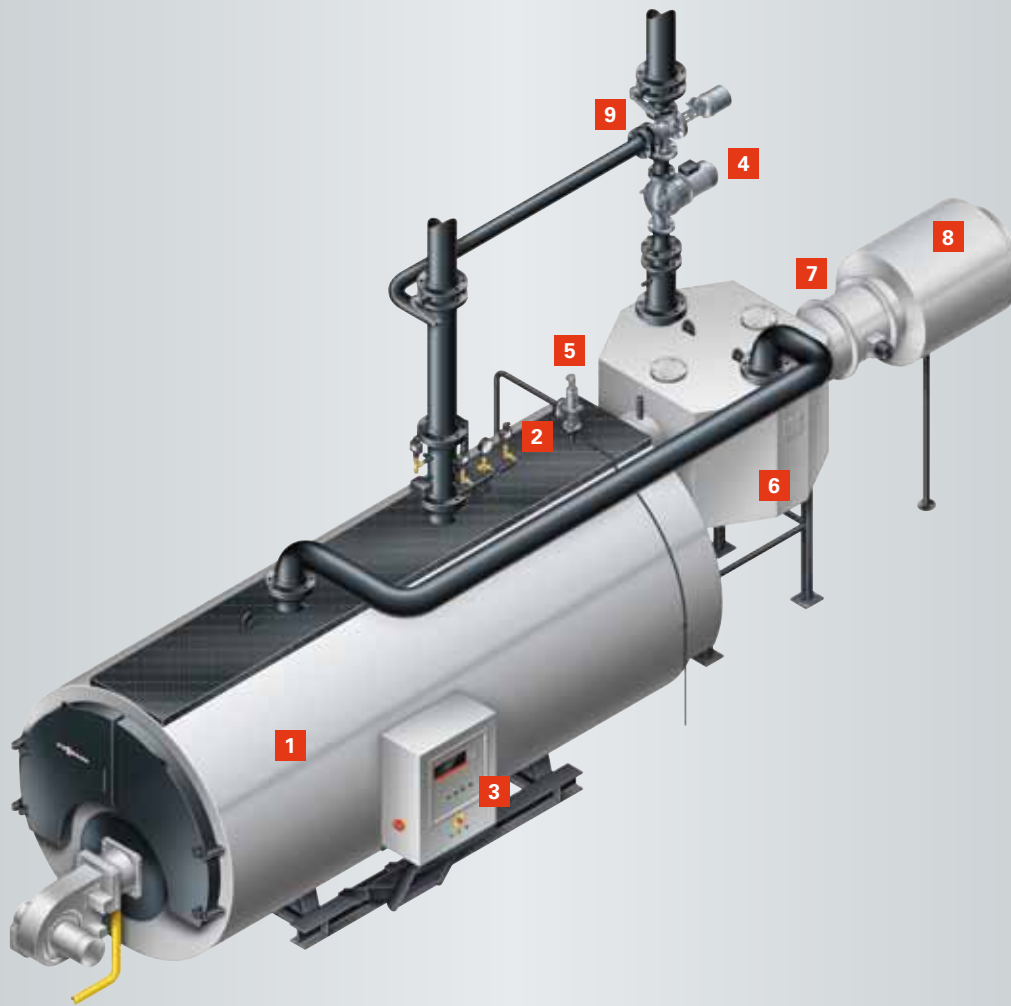
**Vitomax 100-LW
pack/system with accessories**

- 1** Vitomax 100-LW low pressure hot water boiler
- 2** Combustion system
- 3** Intermediate flow piece with safety control and limiting equipment
- 4** Return temperature raising facility (option)
- 5** Safety valve
- 6** Flue gas/water heat exchanger (option)
- 7** Flue gas damper (option)
- 8** Flue gas silencer (option)
- 9** Control system and control panel (Vitocontrol with Vitotronic)
- 10** Modular boiler control platform (option, not shown)

Vitomax 100-LW, type M148
pack/system with accessories

Take advantage of these benefits

- Economical fuel consumption – boiler efficiency: 91.5 %
- Boiler with reversing combustion chamber and low combustion chamber loading provides clean combustion with low nitrogen oxide emissions
- No minimum heating water flow rate required – wide water galleries and a large water content provide excellent natural circulation and reliable heat transfer – simplified hydraulic connection
- Low pressure drop on the hot gas side through convection heating surfaces with large hot gas pipes
- High level of serviceability through water-cooled rear reversing chamber without lining plus large cleaning door
- The Vitocontrol control panel enables the regulation of all boiler-related control equipment



Vitomax 200-LW

Type M62A (with and without heat exchanger)

Pack/system with options

- 1** Boiler with burner
- 2** Intermediate flow piece with safety equipment
- 3** Control system and control panel
- 4** Boiler circuit pump
- 5** Safety valve
- 6** Flue gas heat exchanger (option)
- 7** Flue gas damper (option)
- 8** Flue gas silencer (option)
- 9** 3-way mixing valve (return temperature raising facility)

Matching packs/system for low pressure hot water boilers

As well as guaranteeing the highest quality and flexibility, these systems also provide the assurance that all components are perfectly matched.

The packs/systems for the Vitomax 200-LW (type M62A) and Vitomax 100-LW (type M148) low pressure hot water boilers offer a high degree of engineering and calculation assurance for industrial/commercial boiler plants. As well as guaranteeing the highest quality and flexibility, these systems also provide the assurance that all components are perfectly matched.

Burners with reduced emissions now form part of the new pack/system for the Vitomax 200-LW (type M62A).

The pack/system includes a gas train for different gas pressure levels, enabling a flexible response to customer requirements. The burners with electronic air:gas control and a control panel with integral Vitotronic and control desk are also new.

Flue gas heat exchanger for improved efficiency

A flue gas heat exchanger is available as an accessory. This can raise the boiler efficiency to 95 percent. It can be combined with oil and gas burners.

Containerised solutions with Vitomax and Vitoplex boilers

New heating centres for industrial and commercial enterprises frequently need to be operational in the shortest possible time. For speedy installation and commissioning, Viessmann now also offers complete Vitomax industrial/commercial boiler systems and Vitoplex boilers as pre-assembled containerised solutions which are compact and easy to transport.

Take advantage of these benefits

- Matching system solutions for the highest operational reliability
- Improved efficiency up to 95 % (with flue gas heat exchanger)
- Standard appearance in the Viessmann design
- Reduced time and engineering effort
- Extension with matching components
- Complies with standard emission requirements
- Pre-assembled containerised systems available



Downstream Vitotrans heat
exchanger fitted to a Vitomax boiler

Viessmann system technology ensures the highest operational reliability and efficiency

At Viessmann all the components for a high-performance heating system are supplied from a single source and are perfectly matched.

Today, medium and industrial/commercial boiler technology demands not only the most advanced technology, reliability, system-specific solutions, optimum adjustments and environmental responsibility, but also many services relating to boiler operation.

With Viessmann system design and accessories, everything is a perfect match.

All our heating technology components work together to ensure smooth operation of the entire heating system – from boiler via burner, control unit and DHW cylinder, right down to the connections and radiators. Matching system solutions ensure the highest possible operational reliability with optimised efficiency for any heating system.

Condensing technology for medium and industrial/commercial boilers

The Vitotrans 300 heat exchanger lets you use the economic benefits of condensing technology efficiently, even with medium and industrial/commercial boilers.

Control technology

All Viessmann boilers are regulated by a Vitotronic – a digital control unit with communication capability. This means that the entire range of boilers utilises many standard components, identical installation steps and universal yet minimal numbers of spare parts. This results in considerably easier installation, operation, maintenance and service.

TeleControl data communication, service, building automation

Whether for holiday homes or large residential complexes – the Viessmann TeleControl range offers intelligent solutions for all forms of data communication with heating systems and building services.

DHW cylinders

The Vitocell range of DHW cylinders is perfectly matched to our heat sources. While this is an advantage during installation, it is also a particular benefit in terms of heating and DHW convenience. The wide range of DHW and buffer cylinders enables Viessmann to meet every demand and aspiration for convenience in DHW heating and central heating backup.

Matching packs/system for low pressure hot water boilers

The packs/systems for the Vitomax 200-LW (type M62A) and Vitomax 100-LW (type M148) low pressure hot water boilers offer a high degree of engineering and calculation assurance for industrial/commercial boiler plants.

Solar thermal and photovoltaic

Every boiler can be operated in conjunction with a solar thermal system, thereby saving valuable energy. For commercial applications, Viessmann offers suitable systems for the free utilisation of heat and power from solar energy.



Vitotrans heat exchangers



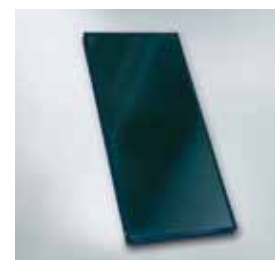
Everything under control



DHW cylinders



Packs/systems



Solar thermal system



VITOTRANS 300

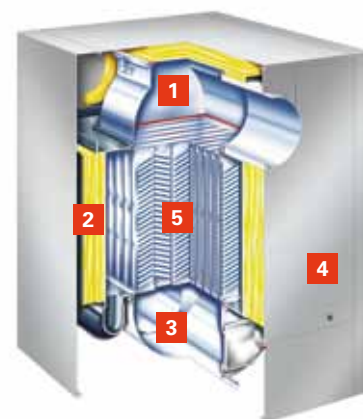
Utilising condensing technology with medium and industrial/commercial boilers through downstream heat exchangers promotes lower operating costs.

Rising fuel costs are of particular concern to users of medium and industrial/commercial boiler systems. The utilisation of condensing technology has a particularly high impact on the costs of operating such boiler systems. Energy saving condensing technology is, therefore, constantly increasing in significance in this area.

Separate flue gas/water heat exchangers are used for larger systems or when retrofitting existing systems. These heat exchanger further cool the flue gas so that water vapour condenses. The condensation heat obtained and the low flue gas temperatures result in a considerable increase in efficiency.

Vitotrans 300

The Vitotrans 300 is a flue gas/water heat exchanger for utilising condensing technology with boilers in the output range from 80 to 6000 kW. The downstream connection allows the standard seasonal efficiency [to DIN] of the boiler to be increased by up to 11 percent.



Vitotrans 300

- 1 Large flue gas inlet
- 2 Highly effective thermal insulation
- 3 Flue outlet
- 4 Sheet steel casing in Vitosilver
- 5 Inox-Crossal heat exchanger

Take advantage of these benefits

- High operational reliability and a long service life due to corrosion-resistant stainless steel. Stainless steel grade 1.4571 is suitable for gas operation and short-term use with EL fuel oil; stainless steel grade 1.4539 is suitable for continuous operation with EL fuel oil
- Compact design – space saving for installation directly behind the boiler
- Easy hydraulic connection – option to direct the entire flow via the Vitotrans 300, or for optimised use of condensing technology, just part of the water volume
- Vitotrans 300 flue gas/water heat exchanger with
 - Inox-Crossal heat exchanger for boilers from 80 to 1750 kW
 - Inox-Tubal heat exchanger for boilers from 1860 to 6000 kW
- Vertical Inox-Crossal and Inox-Tubal heat exchangers for high operational reliability and a long service life
 - Vertically arranged hot gas flues allow the condensate to simply run off downwards. This prevents a concentrated level of condensate through re-evaporation
 - Smooth stainless steel surfaces create improved self-cleaning effect
 - Highly effective heat transfer and high condensation rate
- Neutralising systems matched to the Vitotrans 300 flue gas/water heat exchangers



With their cleverly designed electronic management system, Vitotronic control units ensure your heating system is operated economically.

Vitotronic – economic energy management for systems of every size

From single boiler to multi boiler systems with central control panels, Viessmann supplies perfectly matching solutions.

The Vitotronic digital control unit with communication capability is the electronic management system for economical and safe operation of your heating system. Exemplary installation, operation and maintenance.

Thanks to the modular design, the essential functions of the Vitotronic control units for small boilers are also suitable for medium and industrial/commercial boilers. The relevant components are all based on a platform strategy.

Common features are standardised operation and simple installation, commissioning and maintenance with our Rast-5 connection system, Plug & Work function and Optolink laptop interface.

The Vitotronic control unit for medium and industrial/commercial boilers offers sufficient space for clear and tidy wiring. As an alternative to heating DHW by controlling the cylinder temperature, a cylinder loading

system with a three-way valve can also be used.

Integration into building management systems

Vitotronic control units can easily be integrated into higher ranking building management systems. Numerous options are available for this. The Vitotronic range offers the right interface for any application, including simple digital inputs, 0-10 V input, LON, KNX or BACnet.

Communication within the control unit is achieved via LON. This enables easy integration into building management systems without an additional interface.

Convenient heating circuit control units

The Vitotronic 200-H is a weather-compensated heating circuit control unit for 3 heating circuits with mixer. Where there are more heating circuits than this, up to 32 Vitotronic 200-H can be connected via LON. This means that systems with up to 96 heating circuits can easily be controlled.

Vitocontrol control system and control panel

An essential part of the boiler system is the Vitocontrol control system and control panel. The system is programmed and operated via control and display devices built into the control panel door. The language can be changed depending on the destination country.

The control panel is tested in accordance with country-specific standards and regulations and includes a test report from our testing facility.

Take advantage of these benefits

- Burner control for gas, oil or multi fuel combustion
- Pump control: fault changeover, alternate control, cascade control
- Heating circuit control, control of regulating valves and pumps
- Safety functions in accordance with country-specific regulations
- Display of operating and fault messages
- Boiler protection functions
- Boiler control units
- Cascade function for multi boiler systems
- Remote monitoring, programming of parameters and operation of control units via telephone/internet



Everything under control – from wherever you are

Viessmann TeleControl are innovative systems for data exchange between heating systems and all common communication systems, including hardwired, wireless and across IP networks.

From large residential complexes to utility buildings, the Viessmann TeleControl range offers intelligent solutions for data communication with heating systems and building services that are a perfect match to the differing requirements of heating system operators, contractors and heat supply utilities. This applies to all available heating systems: Oil or gas condensing boilers, medium and industrial/commercial boilers for oil or gas, solar thermal systems, pellet boilers and heat pumps.

In addition, technical equipment such as pumps, ventilation systems, air conditioning systems or leak detectors can be checked via the data communication system.

In conjunction with Vitocom and Vitodata, Viessmann TeleControl is straightforward, reliable and affordable to operate, using an infrastructure that is available practically everywhere, depending on whether it is accessed via mobile phone, PC or smartphone. This kind of control can be exercised from anywhere in the world.

Vitocom 300 with Vitodata 300

The Vitocom 300 internet data communication module with Vitodata 300 is ideal for professional monitoring of larger residential projects or utility buildings. It is designed with heat supply utilities, contractors and municipal services in mind, as such customers value quick and reliable inspection, maintenance and optimisation of their heating systems.

Amongst the many control functions are options for setting switching times, operating programs, holiday programs and set values (level/slope), checking operating states and temperatures, and adjusting parameters. In addition, the system can display energy consumption and can be used for billing.

Faults may be issued via SMS, fax or email to the service engineer responsible using the integral service schedule.

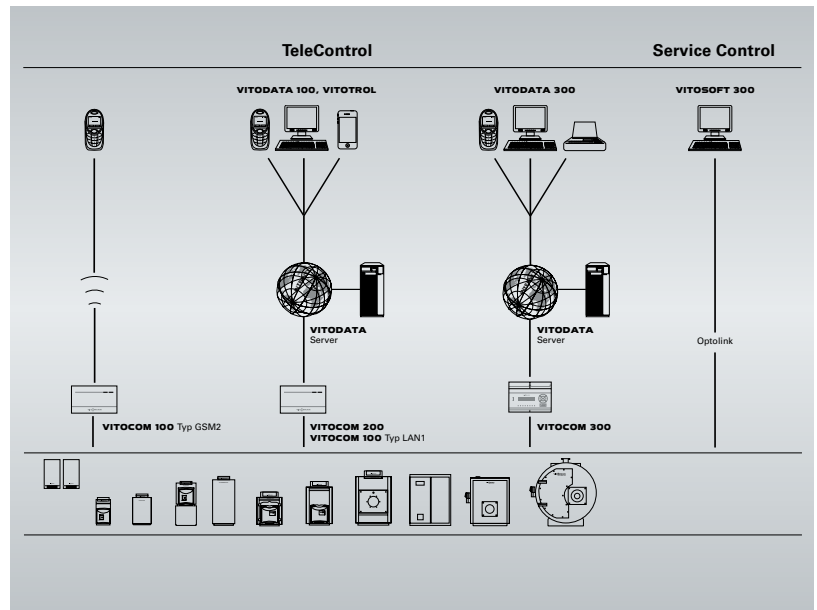
Vitocom 300 LAN

The LAN version of the Vitocom 300 enables data transfer via DSL/Ethernet networks at speeds of up to 100 MB/s. Access via a VPN connection ensures an optimum level of data security.

Vitocom 200 with Vitodata 100

The Vitocom 200 is an attractively priced solution for private houses and smaller utility buildings, as well as public facilities such as nurseries and schools. For system operation with Vitodata 100 via the Vitodata server, it offers the ideal means for achieving convenient and user-friendly operation. Amongst the control functions are options for setting switching times, operating programs, holiday programs and set values (level/slope), checking operating states and temperatures, and adjusting parameters.

Messages are sent directly to the contractor responsible by SMS or email. This enables maintenance and service to be carried out efficiently.



TeleControl from Viessmann is the ideal choice for the remote monitoring and control of a heating system – whether for a detached house, holiday home or large residential complex.



The Vitocell range from Viessmann offers the right DHW cylinder for every demand.

DHW convenience for every demand

With the Vitocell DHW cylinders, Viessmann offers a convenient solution for the supply of domestic hot water.

The demand for hot water varies considerably from household to household. One factor is the number of draw-off points; another is the way the water is used. For example, in hotels or large residential complexes, plenty of hot water for showers needs to be available continuously, particularly in the morning.

After all, the DHW cylinder should provide sufficient hot water even if water is drawn from different points in the building simultaneously.

Vitocell DHW cylinders fulfil these requirements in every respect and can also meet every aspiration where the equipment level is concerned. 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

The Vitocell range of cylinders meets all requirements for a suitable DHW cylinder. For commercial applications, floorstanding DHW cylinders are the first choice.

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

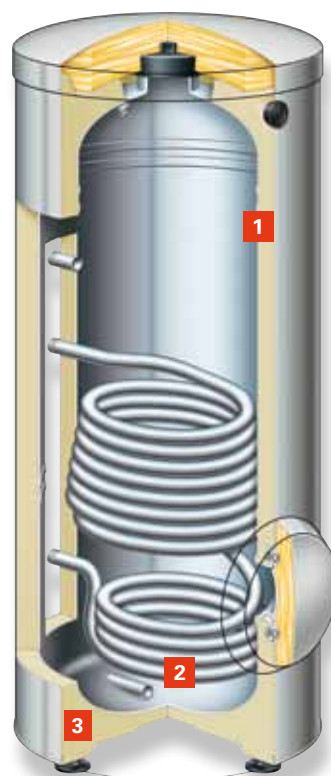
Vitocell 300 DHW cylinders made from corrosion-resistant stainless steel meet some of the most stringent hygiene standards. Stainless steel is used in kitchens, laboratories, hospitals and the food processing industry for good reason, as it offers excellent hygienic properties. Its homogeneous surface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

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 secure and lasting protection against corrosion.

Take advantage of these benefits

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



Vitocell 300-V

- 1 Vitocell 300 made from stainless steel, capacity: 130 to 500 litres
- 2 Indirect coils reaching right to the cylinder floor
- 3 Highly effective thermal insulation



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

Solar thermal systems – free solar energy

All medium and industrial/commercial boilers can be combined with suitable solar technology, enabling DHW heating from free solar energy.

A new heating centre and a solar thermal system go hand in hand nowadays, and there are good reasons for this. In the summer, the majority of the energy demand for DHW heating can be covered by solar collectors. Depending on its size, the system may also be able to provide central heating backup.

Calculated over the year, 60 percent of energy can be saved on DHW heating alone. This is because solar energy is free and the collector converts daylight into heat even when the sun

is not shining directly onto the roof. Particularly with commercial buildings, the wide expanse of flat roof space offers an ideal base for the installation of collector arrays.

The principle is quite simple

Of course, the utilisation of solar energy requires innovative technology and lots of experience: Solar thermal systems "collect" solar energy in the flat-plate or tube collectors. Here, the heat transfer medium is heated by solar radiation and then channelled

into a DHW cylinder, where the heat is transferred via a heat exchanger to the DHW or heating circuit. Thereafter, the cooled liquid is returned to the collector, and the cycle begins again. The boiler provides reheating if there is insufficient solar radiation, e.g. in winter.

The Vitosol range offers solar collectors for every demand 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 distinguishes itself through its high quality, lasting operational reliability and high efficiency. The high performance Vitosol 300-F flat-plate collector with extremely translucent anti-reflective glass and highly selective coated copper absorbers utilises intensive solar radiation most efficiently.

The Vitosol 200-T vacuum tube collector can be installed anywhere and is characterised by particularly effective thermal insulation and high efficiency resulting from its Sol-titanium coating.

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

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

Benefit from public subsidies

Your Viessmann trade partner 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.



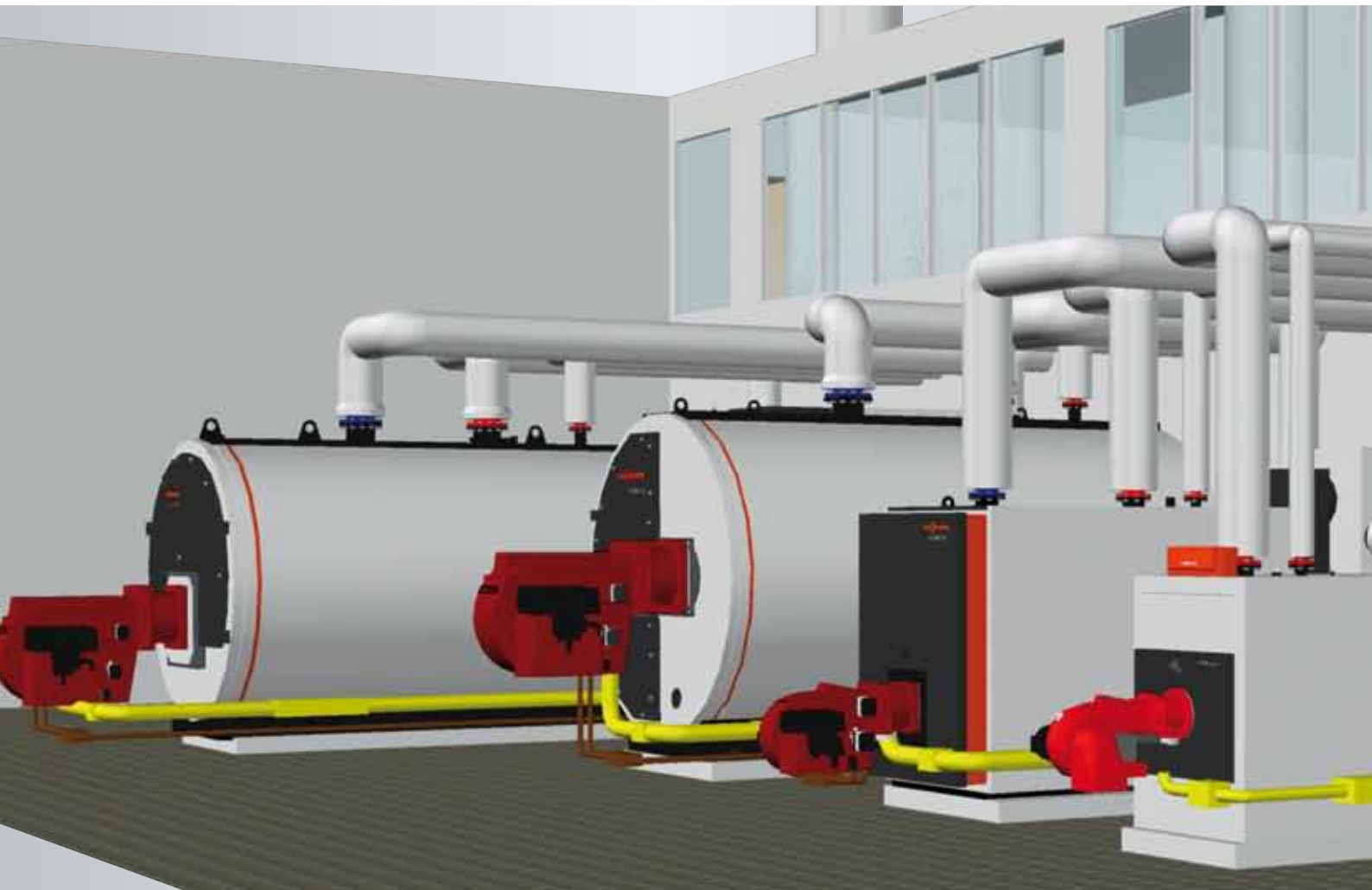
The Vitosol 200-F flat-plate collector features frost and hail-proof safety glass, as well as corrosion-resistant components made from stainless steel and aluminium. The frames are available on request in any RAL colour.



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



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



3-D boiler room design

Vitodesk – software expertise from a single source

Vitodesk is the complete software support package for heating contractors, design engineers and architects. All programs support automatic data exchange.

Vitodesk 100

Vitodesk 100 is the free data service from Viessmann. It enables users to select Viessmann products for use in the engineering and tendering processes.

Vitodesk 200

Vitodesk 200 is tailored to the engineering and sizing of smaller and medium-sized projects. It is divided into three areas: RES (renewable energy systems), sanitary/heating and air conditioning.

The ESOP 4.0 module, which is part of this software package, is designed for calculations for solar thermal systems. This program is based on the T-SOL computation module, which is recognised by bodies offering subsidies. The weather data sets of numerous European countries are supplied as standard and can be extended at a later date.

Vitodesk 300

Viessmann has derived its own OEM version from the industry standard AutoCAD program. Apart from the main functions of the full version, this software package offers numerous additional assistants that make engineering and presentation even more convenient and efficient.

Complex heating centres can be designed much more efficiently and precisely with this 3-D program than with conventional software tools. With the help of the 3-D boiler room planning program, you can see in advance whether the system together with all the required components will fit into the existing boiler room. This helps to avoid errors during the design phase.

The program assistants not only support you in creating the pipework design, but also provide tools for to-scale engineering of distributors and tanks. The necessary cross-sections and views plus all labels can be created on the design and are updated automatically in the event of changes.

Product management runs unobtrusively in the background, allowing you to create detailed bills of material, including the cutting list. With the support of rendered diagrams, the system can be clearly and professionally presented, providing clear benefits prior to order placement.

Clever software supports design engineers and trade experts alike in realising their projects.





The energy centre and the
Viessmann Academy in Allendorf

Partnership with excellent prospects

The services offered by Viessmann in support of trade partners go back a long way.

In addition to our comprehensive range of innovative and futureproof heating equipment that is reliable and of high quality, the basis for Viessmann's lasting success in the market is our close partnership with the heating trade and its various bodies.

Trade and industry must cooperate to best utilise the opportunities the market offers. Attractive product services gain ever greater importance for manufacturer and trade alike.

Viessmann offers a comprehensive range that benefits the trade.

However, it is not all about technology. Many years of after-care and maintenance and a guaranteed supply of spare parts are extremely important. These are provided by the Viessmann customer service department. Maintenance agreements are also available if required.

Everything from a single source

Viessmann offers everything for solution-focused cooperation:

- Consultation – comprehensive and competent
- Vitodesk engineering software – a complete software package for planning and sizing heating systems, with 3-D boiler room design including presentation and visualisation functions
- Manufacture according to country-specific requirements with short delivery times
- Equipment – safety accessories, burners, control panels, boiler platforms, flue gas/water heat exchangers, water treatment systems
- Training and introduction at the information centre in Berlin
- Delivery and handling with our own vehicle equipped with a hoist, and a specialist team
- Commissioning anywhere in the world by expert engineers
- Service by qualified technical services
- Leasing – uncomplicated and flexible – businesses and local authorities can also lease their heating systems from Viessmann
- Responsibility for the environment – Viessmann is certified according to the Eco Audit EN ISO 14001 and EMAS. This includes the entire process, from manufacturing to recycling



Delivery of a Vitomax boiler to site



All Viessmann products meet demanding environmental standards and have been EMAS-certified



Viessmann information centre in Berlin

Renewable energy systems



Individual solutions with efficient systems

The comprehensive Viessmann product range for all fuel types and application areas offers leading technology and sets new standards.

Viessmann covers the complete spectrum of high-performance heating system technology. These include biomass boilers, heat pumps and combined heat and power (CHP) units. One feature that all systems have in common is the responsible use of renewables to protect resources. Only the CHP unit can be operated with natural gas as well as with biogas.

For many commercial and industrial sectors, the operation of a biomass power station with heat generation is an obvious choice. This is the case in the wood processing industry, in countryside management and in the forestry sector, for example. Here, suitable boilers can predominantly cover the base load. In addition, oil or gas boilers can cover peak loads and thereby safeguard a continuously efficient provision as and when required.

CHP units from Viessmann Kraft-Wärme-Kopplung GmbH for operation with natural gas or biogas not only generate heat but also power that can be consumed on site or fed into the public grid.

Wood heating systems up to 1700 kW from Viessmann Holzheiztechnik GmbH operate with wood of any kind: pellets, sawdust, woodchips and mixed wood. They are particularly suitable for commercial and industrial applications.

Wood combustion systems up to 13,000 kW are available from Viessmann Holzfeuerungsanlagen GmbH. Commercial energy suppliers are increasingly turning to biomass as their fuel of choice. It is obtained from crisis-proof regions and makes a crucial contribution to preserving fossil fuels, not least through sustainability and CO₂ neutrality.

Heat pumps from the Viessmann Group KWT are specifically adapted to each individual case. Depending on the project, water/water, brine/water or air/water heat pumps can be supplied.



Vitobloc 200 – combined heat and power units

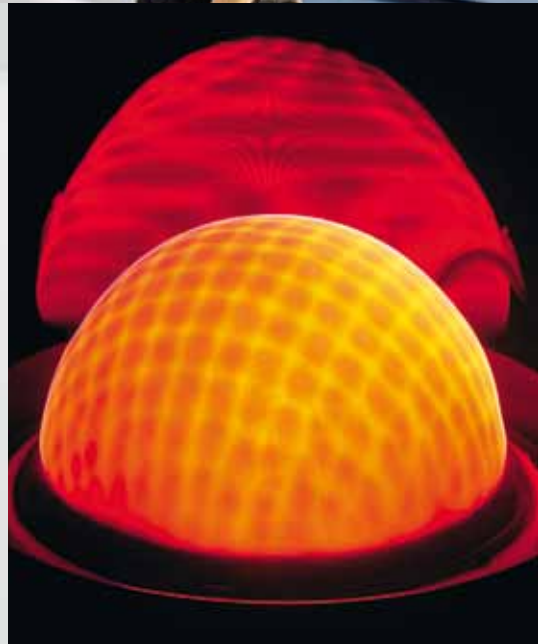


Biomass boilers



Special heat pumps for commercial applications

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 to harmonise ecology, economy 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 11,400 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
- CO₂ emissions reduced by 80 per cent

The long-term goal is for the company to sustainably meet all of its own heating energy requirements.



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



Energy Efficiency Award 2010

Viessmann Group

Company details

- Established in: 1917
- Employees: 11,400
- Group turnover: 2.1 billion euros
- Export share: 55 percent
- 27 production companies in 11 countries
- 74 countries with sales companies and representation
- 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 units
- Heat pumps
- Wood combustion technology
- Biogas production plants
- Biogas upgrading plants
- Solar thermal systems
- Photovoltaics
- Accessories
- Refrigeration technology



climate of innovation

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