

KOB

VIESSMANN Group

Wood heating systems from 35 to 170 kW





Why heat with wood?

The rising costs of fossil fuel and increasing environmental awareness have resulted in an ever-rising demand for renewable forms of energy. Advanced wood heating systems are an environmentally responsible and economical alternative (or addition) to conventional fossil fuel heating systems.

Sustainable

When wood is "harvested" from sustainable forestry, it is a renewable and environmentally friendly source of energy and an important part of sustainable resource management.

CO₂ neutral

When wood is burned, only as much CO₂ is released as the trees have absorbed during the course of their life. That's why heating with wood is CO₂ neutral.

Economical

Wood, as an indigenous fuel, is also very affordable and not subject to wide price fluctuations.

Top technology and reliability

Advanced biomass systems operate fully automatically and are equipped with control and safety devices for a reliable, efficient and safe operation.

Home-grown and independent

Wood is a home-grown product, harvested using a minimum amount of energy and it contributes to regional economies.



What you should know

Köb wood heating systems are offered for diverse forms of wood fuel.
See below for information about their storage and purchase.

Wood storage

Not only is the combustion of moist wood uneconomical, it can also lead to high emissions plus tar deposits inside the chimney stack on account of low combustion temperatures. Wood offers its highest calorific value after being dried for several years under an open cover.

Here are a few tips:

- Split round logs with a diameter of 10 cm or more
- Stack logs in a ventilated and preferably sunny spot underneath a canopy
- If possible, stack logs with generous air gaps to enable flowing air to absorb the dissipating moisture
- Stack logs on a support timber so moist air can escape downwards
- Never store freshly cut wood in a cellar, as air and sunshine are required for drying. However, dry wood can be stored in ventilated cellars.

Pellet properties

100 % natural waste wood is used to produce pellets compliant with DIN-Plus or ÖNorm. This raw material is waste matter created by the wood processing industry in large volumes through planing or sawing.

Fine grained waste wood is compressed under high pressure and formed into pellets, i.e. pressed into a cylindrical shape. The fuel is stored and transported in perfectly dry conditions. Absolutely dry storage conditions must also be ensured by the system user. Perfect and effective combustion can only be ensured under these conditions.

Pellets are offered in packs or loose in bulk. In their loose form, pellets are transported by silo tanker and pumped into the storage room via a hose system.

If an oil heating system is to be completely replaced by a new pellet heating system, the room in the cellar that was previously used to store fuel oil is ideally suited for this purpose.

Questions regarding wood boilers

Köb Holzheizsysteme is aware of its responsibility for the sustained protection of the environment. Its company philosophy and products focus on this.

Can anyone heat with a wood boiler?

The advanced wood boilers from Köb are so convenient to use that they can supply practically any detached house and apartment building with heat. One important requirement is a dry storage room, as the residual moisture in the wood is one of the crucial factors influencing combustion quality. Conversions, for example, of the chimney stack, are generally not required. Wood heating systems from Köb are also a perfect companion for oil and gas heating systems. You can then determine for yourself when to use which fuel.

What is better – heating with logs or pellets?

Logs are an ideal choice for those who can acquire the fuel themselves, e.g. from local forestry operations. The wood needs to be dried correctly, in other words stored until it has the lowest possible residual moisture content. In addition, a heating water buffer cylinder is required to ensure a continuous heat supply.

Pellets are created under pressure from sawdust and offer a high calorific value because of their low residual moisture content. Pellets are also easy to deliver and store. Dispensing and supply to the wood heating system is automatic and convenient.

Where can I obtain wood fuel?

Wood fuel, primarily pellets, are today a standard fuel for most fuel merchants. As with fuel oil, they are "pumped" into the storage room. This is accomplished quickly and without major effort. Many sawmills and wood processing enterprises also offer pellets. You can obtain logs at favourable prices from forestry operators or farmers with forestry enterprises attached.



Logs

Logs are pieces of wood (hard and soft wood) from forestry operations and landscape gardening.



Wood briquettes

Wood briquettes are made from waste wood, compressed to reduce the proportion of fine particles. The size and density of the wood briquettes should be matched to the form of charging employed.



Waste wood

Waste wood is the most diverse in both consistency and size of individual pieces; it is comprised of both hard and soft wood.



Woodchips

Woodchips are pieces of chipped natural wood, with and without bark.



Pellets

Pellets are the most compact form of wood energy and offer a high calorific value. Ensure that the pellets conform to standard branded quality (e.g. DIN-Plus or ÖNORM).



PYROMAT ECO PYROMAT DYN

Wood boilers for logs, wood briquettes, waste wood, woodchips and pellets.

The Pyromat ECO offers the greatest operating convenience when heating with logs thanks to its large charging chute. Efficiency of up to 92 % and regulated utilisation of residual heat enable low fuel consumption. Ten models offer the right solution for any application: The rated output of the Pyromat ECO covers from 40 to 170 kW. From a rated output of 85 kW and higher, this log boiler is also available as a boiler for 1 m long logs.

The Pyromat DYN can convert many forms of wood fuel into heating energy. It is suitable for manual charging with logs and pieces of waste wood, or for automatic charging with pellets, woodchips, wood briquettes and loose waste wood.



Pyromat ECO

Log boiler for manual charging with logs, wood briquettes and waste wood, either loose or in pieces. Hopper width: 550 mm
40 to 95 kW

Page 8



Pyromat ECO

Log boiler for manual charging with logs, wood briquettes and waste wood, either loose or in pieces. Hopper width: 1080 mm
85 to 170 kW

Page 8



Pyromat DYN

Wood boiler for manual charging with logs and pieces of waste wood, or automatic charging with pellets, woodchips, wood briquettes or loose waste wood.

35 to 100 kW

Page 10



Pyromat ECO log boiler

PYROMAT ECO

The Pyromat ECO was developed specifically for the combustion of logs and represents state of the art combustion technology.

The Pyromat ECO log boiler has already been proven in thousands of applications. Charging from the top offers easy handling; control via the Lambda probe guarantees low emissions, and the integral heat management system ensures maximum convenience.

Clean and efficient combustion

The microprocessor-controlled Ecotronic captures all details relevant for the operation and regulates the amount of heat and its demand. As a result, the boiler system is monitored constantly in all operating phases, from heat-up, operation under load, and from recharging right up to burnout, and it is held – via its motorised air dampers – within its optimum operating range. This safeguards clean and efficient combustion.

Large hopper for combustion lasting several days

The Pyromat ECO offers the greatest operating convenience when heating with logs thanks to its large charging chute. Log boilers in the output range 40 to 95 kW can operate with logs of 0.5 m length; in the range 85 to 170 kW the hopper width increases to 1080 mm, ensuring convenient charging, even with logs of 1 m length.

With oil burner connection

The Pyromat ECO is approved as an oil boiler compliant with EN standard; the necessary connections have already been prepared. Fitting an oil burner may, for example, help to bridge holiday times when manual charging with logs is not feasible.

The Pyromat ECO is particularly suitable for the combustion of logs, wood briquettes and waste wood, either loose or in pieces.



Pyromat ECO

- 1 Easily accessible charge door for charging the wood boiler from above
- 2 Ecotronic control unit
- 3 Hopper tapering downwards
- 4 Degasification zone with cast grate and fireclay bed
- 5 Large, easily accessible ash box for the grate ash
- 6 Combustion chamber made from high temperature-resistant refractory concrete
- 7 Ash container below the heat exchanger
- 8 Induced draught fan with Lambda probe and temperature sensor
- 9 Vertical tubular heat exchanger
- 10 Upper cleaning cover
- 11 Boiler assembly as part of the standard delivery (return temperature raising) with boiler circuit pump, boiler control valve, flow and return temperature sensor



Pyromat ECO log boiler – manual charging from the top

Take advantage of these benefits:

- Log boiler for logs of 0.5 and 1 m length with high operating convenience through charging from the top
- For the following fuels: logs, wood briquettes and waste wood, either loose or in pieces
- Large hopper capacity (185 to 500 litres) for combustion lasting several days
- Fully wired
- Proven induced draught fan for quiet operation and a long service life
- No draught controller or limiter required
- Constantly regulating air damper with heat-up and burnout optimisation
- Accurate temperature stratification of a DHW cylinder by means of a cylinder heating control valve – no possible irritation of the cylinder stratification through the return (option)
- Boiler assembly (return temperature raising facility) fully fitted
- Not sensitive to foreign bodies (nails, screws, etc.)
- Integral buffer heating management
- Lambda probe control

Specification

- Rated output range: 40 to 170 kW
 - Log boiler (0.5 m logs) (hopper width: 550 mm), 6 types from 40 to 95 kW
 - Log boiler (1 m logs) (hopper width: 1080 mm), 4 types from 85 to 170 kW
- Efficiency up to 92 %
- Permissible flow temperature up to 100 °C
- Permissible operating pressure 3 bar
- CE designation according to current Directive

For specification see page 18



Pyromat DYN
35 to 100 kW

PYROMAT DYN

The Pyromat DYN is suitable for manual charging with logs and pieces of waste wood, or for automatic charging with pellets, woodchips, wood briquettes or loose waste wood.

The Pyromat DYN can convert many forms of wood fuel into heating energy. An ignition fan system automatically ignites the charge when the wood boiler is equipped with automatic charging. Combined with a DHW cylinder, this permits a perfect low load control (DHW mode in summer).

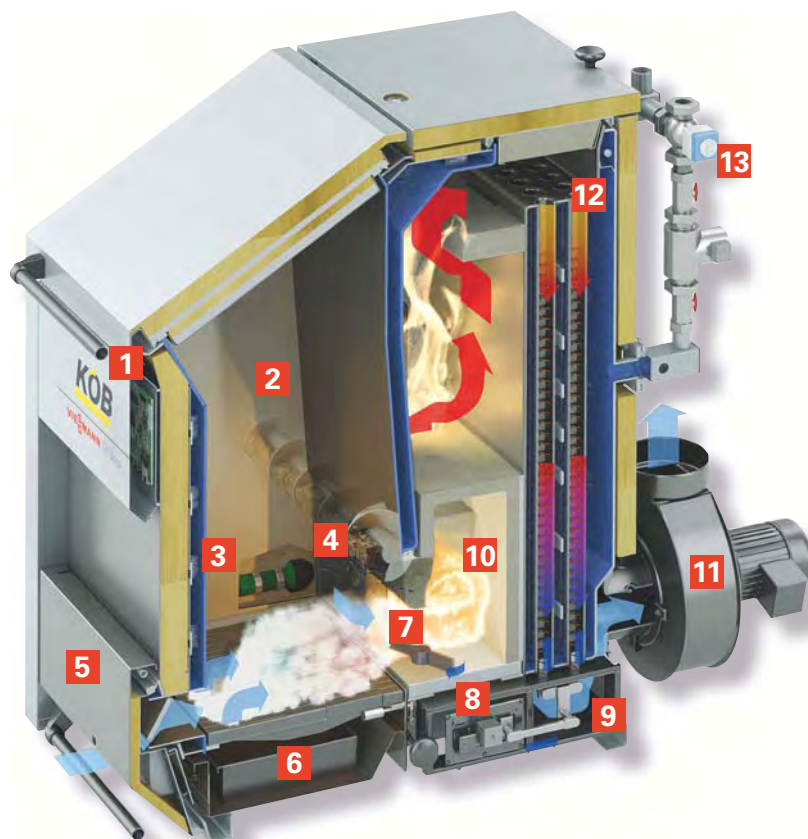
Self cleaning heat exchanger surfaces

The vertical heat exchanger surfaces are permanently cleaned through motorised coil springs. The drive mechanism sits below inside the protected cool gas flow. The springs can be removed easily for the annual cleaning by the flue gas inspector/chimney sweep.

The high efficiency of the Pyromat DYN is the result of a long burnout path, the optimum heat transfer through self-cleaning boiler passes and the utilisation of residual heat in the ash. In standard operation, the ash is automatically removed from the main combustion chamber into the front combustion chamber, where it remains until all incandescence has ceased.

Large hopper for combustion lasting several days

Large hopper above the combustion chamber for a convenient operation with logs lasting several days. A simple push of a button is enough to change over to log combustion (patented air damper function).



Pyromat DYN

- 1 Ecotronic control unit
- 2 Front combustion chamber charged from the top
- 3 Automatic ignition fan
- 4 Charge screw and degasification grate with primary air
- 5 Combustion chamber door with primary air damper
- 6 Large ash chamber with utilisation of residual heat
- 7 Combustion chamber made from heat-resistant refractory concrete
- 8 Automatic ash removal from the combustion chamber
- 9 Drive for automatic ash removal and cleaning
- 10 Secondary combustion chamber (secondary air via combustion chamber door)
- 11 Variable speed flue gas fan with Lambda probe and temperature sensor
- 12 Tubular heat exchanger with automatic cleaning
- 13 Boiler assembly as part of the standard delivery (return temperature raising facility) with boiler circuit pump, boiler control valve, flow and return temperature sensor



Pyromat DYN with automatic charging

Take advantage of these benefits

- Wood boiler, suitable for manual charging with logs and pieces of waste wood, or automatic charging with pellets, woodchips, wood briquettes or loose waste wood
- Boiler assembly (return temperature raising facility) fully fitted
- Fully wired
- Proven flue gas fan for quiet operation and a long service life
- Constantly regulating air dampers with heat-up and burnout optimisation
- Accurate temperature stratification of a DHW cylinder by means of a cylinder heating control valve – no possible irritation of the cylinder stratification through the return (option)
- Automatic ignition through a hot air fan (with automatic charging)
- Automatic heat exchanger cleaning via coil springs
- Automatic ash removal into an ash box with 20 litre capacity (option)

Specification

- Rated output range: 35 to 100 kW
- Efficiency up to 92 %
- Permissible flow temperature up to 100 °C
- Permissible operating pressure 3 bar
- CE designation according to current Directive

For specification see page 18

System components

The complete system from a single source. That makes perfect sense, since all KÖB system components are perfectly matched to each other and consequently form a complete heating system.

The operator is therefore assured of an absolutely reliable operation and a quality service for the entire system from a single source.

Test marks

All components are thoroughly tried, tested and approved by different bodies



TÜV-tested to EN 303-5



Test report EMPY approval VKF



VHe type-tested

The boiler system incorporating the boiler assembly (boiler pump, boiler control valve) as well as the variable speed induced draught fan are fully wired.

Automatic ash removal (20 litre capacity) (only with the Pyromat DYN)

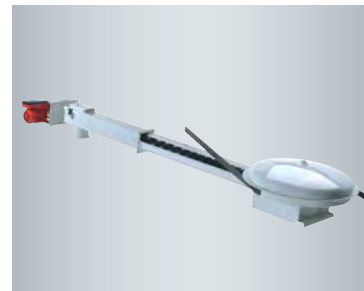
The clean combustion leaves only the minerals stored in the wood behind as ashes. A grate with moving grate elements extracts the ashes from the combustion chamber and guides them into the ash container. As soon as they have cooled down, the ash removal conveyor guides the ashes into a large-volume external ash container.



Automatic ash removal (20 litre capacity)

Solid room discharge for woodchips (only with the Pyromat DYN)

With different discharge radii and screw lengths, the system is matched perfectly to the physical site conditions.



Solid room discharge for woodchips

Feed screw for pellets

(only with the Pyromat DYN)
The feed screw is an extremely adaptable, easy to install and quiet pellet charging solution with low power consumption.



Feed screw for pellets

Boiler feed with dispensing hopper

The boiler feed with dispensing hopper can be fitted either on the left or right side of the log boiler. This sophisticated system offers the highest protection against fires.



Boiler feed with dispensing hopper

Fully assembled heat manifold

The fully assembled heat manifold is available for installation on the boiler or as a wall mounted version.

Heating water buffer cylinder or DHW cylinder

An extensive range of high quality products (integrated or supplied separately) including all accessories are available.

Comprehensive energy management

The Ecotronic system control unit is a decentralised microprocessor system (CAN BUS) with different modules that are easily connected by means of a data cable.

Ecotronic as boiler controller

Central heating

Weather-compensated heating circuit control with digital time switch for individual day and 7-day programs

- On request with room device
- ECO control and frost protection function
- Easy setting of individual heating curve

DHW cylinder

- DHW cylinder is automatically reheated by the boiler or the heating water buffer cylinder
- Volume control with minimum return temperature for precise cylinder stratification
- The heating water buffer cylinder supplies DHW for up to 14 days (summer mode)

Air heater

- Air volume control with minimum return temperature for precise cylinder stratification

Solar control unit

- Solar energy is stored in the DHW cylinder or in the heating water buffer cylinder
- The Ecotronic enables the maximum heat transfer from the solar collectors to the heating system
- May be extended up to 12 groups with the distribution module on the heat manifold.

Ecotronic as boiler controller

Combustion controller

The combustion controller is integrated into the log boiler and regulates the motorised air dampers via the integral Lambda probe. The appliance is fully wired internally. This results in perfect combustion, optimised for lowest emissions.



Ecotronic control unit

Charging controller

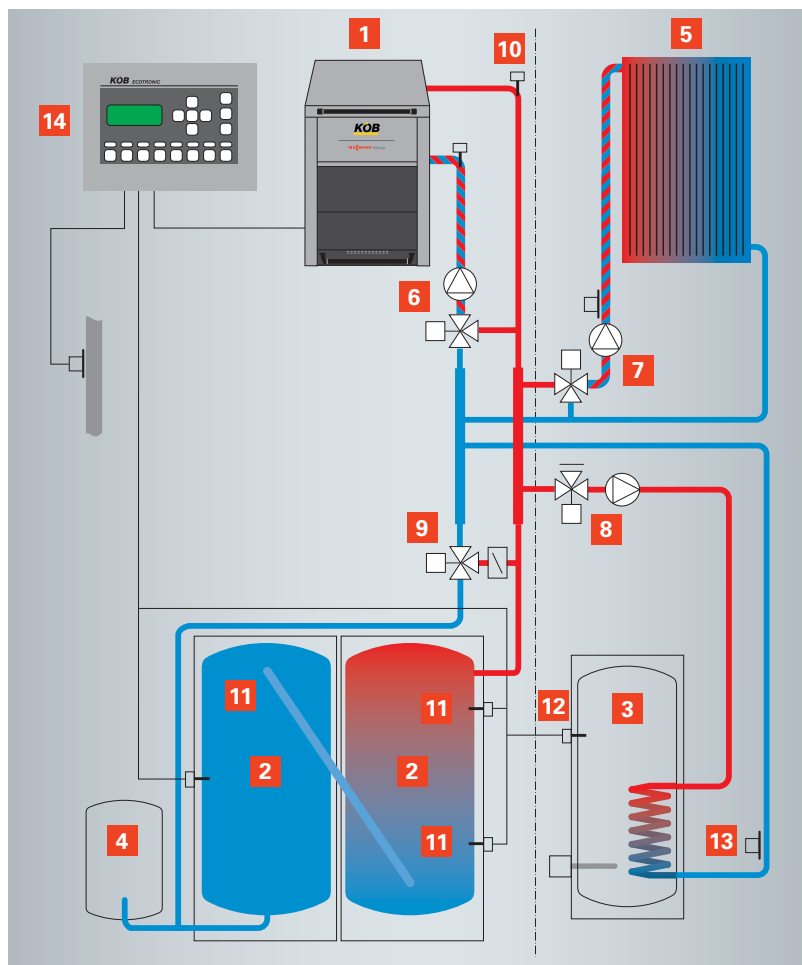
The CAN BUS control is a new feature. It enables charging motors to be controlled via an integral BUS cable directly from the boiler module to the Starttec controller. The three-phase power is routed to the motors, ready to plug in. In this case too, the connection at the boiler is simple, making extensive installation unnecessary. The control is free of wear, even with high switching frequency. An integral motor protection (overload and temperature relays) ensures a reliable operation.

Boiler assembly controller

The return temperature raising facility ensures a long service life for the log boiler. Best possible protection against overheating is ensured by heat transfer to the DHW cylinder, shutting down the induced draught fan and closing the air dampers. The boiler assembly (pump and control valve) is fully wired and fitted to the log boiler.

Hydraulic connection of a Pyromat ECO

The right heat concept ensures the reliable and safe operation of a log boiler.



Hydraulic scheme for a log boiler providing cylinder heating

Key to symbols

- 1 Pyromat ECO log boiler
- 2 Heating water buffer cylinder
- 3 DHW cylinder
- 4 Expansion vessel
- 5 Central heating
- 6 Boiler assembly
- 7 Heating assembly
- 8 Cylinder assembly
- 9 Buffer cylinder control valve
- 10 Flow temperature sensor
- 11 Heating water buffer cylinder sensor
- 12 DHW cylinder sensor
- 13 Cylinder return temperature sensor
- 14 Ecotronic control unit

Heating water buffer cylinder

- Perfect wood combustion requires an adequately sized heating water buffer cylinder (specified by EN 303-5 since 2000). A precise layering of heat is a must for the optimum utilisation of the available heat.
- The Ecotronic control unit with the reliable cylinder control valve ensures this function in an excellent fashion.
- The utilisation of solar energy can therefore be combined perfectly with log combustion.

Heat management (ECO function)

- During the combustion phase, boiler heat not required for heating purposes is routed into the heating water buffer cylinder with precision layering.
- After burnout, the residual boiler heat is fully utilised. The utilisation of residual heat as practiced by Köb received an award as part of the Swiss ENERGIE 2000 campaign. In trials, an increased yield of 9 % per burnout was achieved.
- Only then is heat supplied by the heating water buffer cylinder. The clever control modules for heating convenience discharge the heating water buffer cylinder with precision according to the stratified temperature layers.
- This delivers heat from the heating water buffer cylinder over the longest possible time.

Storage and supply systems for the Pyromat DYN

The adjustable feed screw is easy to install and can be tailored to the specific physical site conditions.

Patented pellet discharge.

For woodchips

Solid room discharge

A bottom agitator with two leaf spring arms fills a screw channel let into the floor. Agitator and feed screw are designed for robust operation and high torque. This safeguards a trouble-free and reliable fuel discharge of the most diverse woodchips. The stable torque support protects the gearbox against overloads and ensures a consistently smooth and quiet operation.

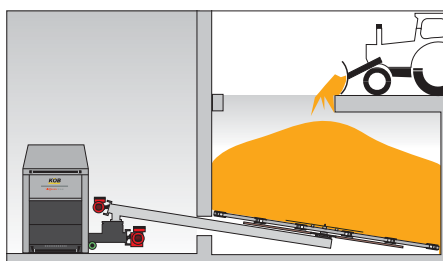
For pellets

Very quiet feed screw with low power consumption

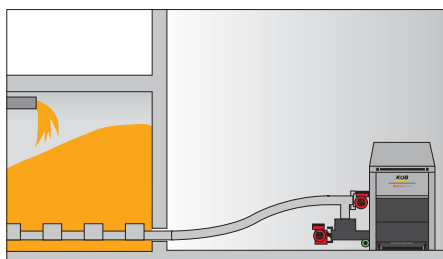
The feed screw is made from hardened steel (chrome-nickel steel) and is characterised by its high torsional strength, spring loading and the lowest friction losses. Outside the store room, the feed pipe is made from natural chrome-nickel steel.

Boiler feed with dispensing hopper with fire protection

The solidly constructed feed screw made from heat resistant chrome-nickel steel charges the fuel – irrespective of whether pellets or woodchips – into the combustion chamber in accurately dispensed volumes. A dispensing hopper with light guard that determines the level of the separating fuel layer, is located above the screw. This fuel barrier prevents an exchange of gases and consequently a back burning of the fuel. A second back burning protection takes the form of the tested shut-off slider. This spring-loaded slider opens during the heating phase and closes automatically afterwards or in case of a power failure.



Fuel silo for woodchips with solid room discharge



Fuel silo for pellets with quiet plastic feed screw with low power consumption

Specification



Pyromat ECO

Log boiler for logs up to 0.5 m long

Rated output	kW	40	50	60	75	80	95
Hopper							
Width	mm	550	550	550	550	550	550
Capacity	litres	185	185	255	255	255	255
Dimensions							
Length	mm	958	958	1163	1163	1313	1313
Width	mm	795	795	795	795	795	795
Height	mm	1433	1433	1490	1490	1490	1490
Weight	kg	750	760	920	935	1040	1065
Flue outlet ø	mm	200	200	200	200	200	200



Pyromat ECO

Log boiler for logs up to 1 m long

Rated output	kW	85	100	120	170
Hopper					
Width	mm	1080	1080	1080	1080
Capacity	litres	375	375	500	500
Dimensions					
Length	mm	1018	1018	1353	1353
Width	mm	1324	1324	1324	1324
Height	mm	1433	1433	1490	1490
Weight	kg	1300	1320	1680	1720
Flue outlet ø	mm	200	200	250	250



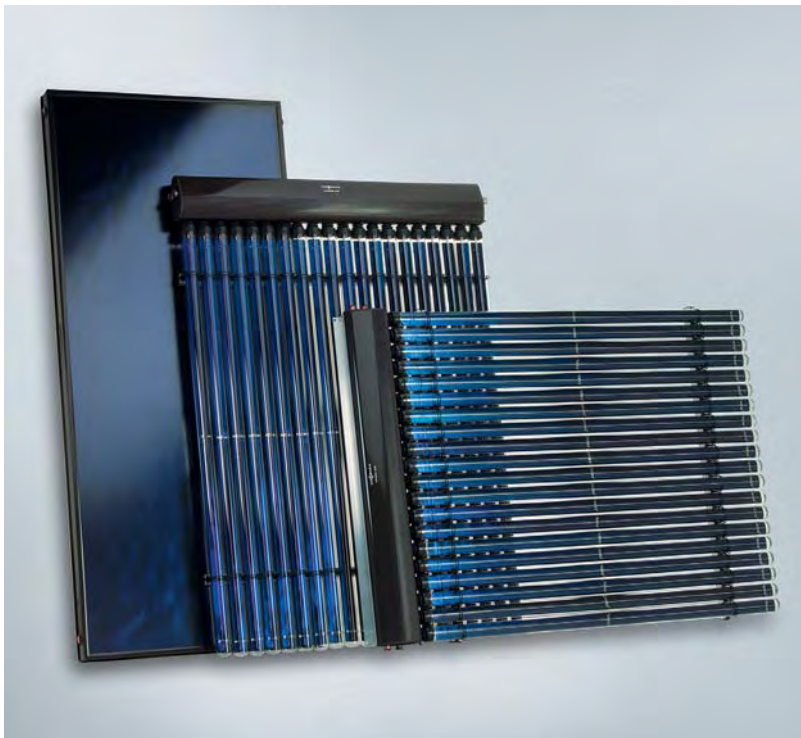
Pyromat DYN

Log boiler

Rated output				
Operation with logs	kW	49	75	100
Rated output				
Operation with woodchips	kW	35	52	70
Hopper				
Width	mm	550	550	550
Capacity	litres	185	255	255
Dimensions				
Length	mm	958	1163	1313
Width	mm	795	795	795
Height	mm	1430	1490	1490
Weight				
	kg	760	935	1065
Flue outlet ø				
	mm	200	200	200

Perfectly matched to suit your system

With Viessmann system technology, you can easily expand your wood heating systems and enjoy all the benefits in an integrated system working with renewables.



Vitosol flat-plate and tube collectors

Wood heating systems

Wood boilers are ideal for integrating with one or more sources of energy, such as fossil fuels or solar thermal energy. Our comprehensive product range offers heating systems for all forms of energy that are considerably more than just individual heating components. Whether it is an oil/gas boiler or a solar thermal system, all parts fit together perfectly and form a reliable and economical system.

High performance solar thermal systems

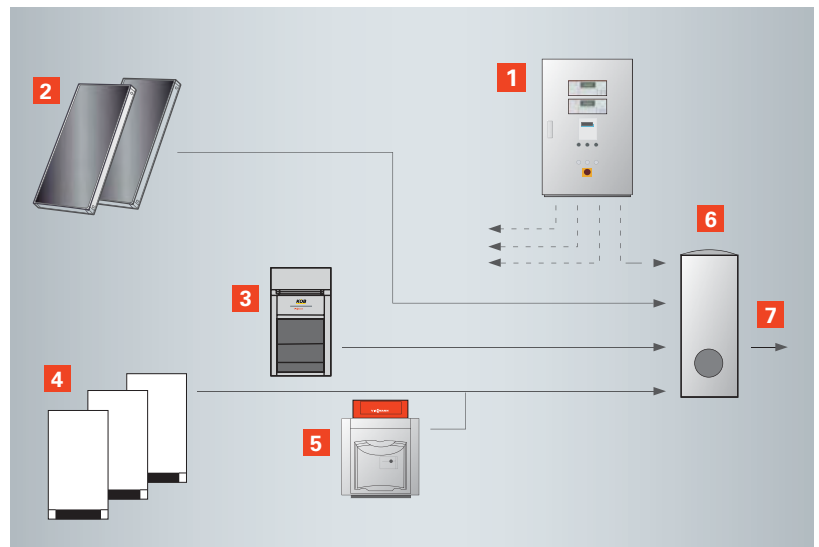
Our high performance solar thermal systems with flat-plate or vacuum tube collectors are ideal for the DHW heating and as central heating backup for your biomass system. By incorporating solar energy, you can reduce the costs for generating domestic hot water by up to 65 % (depending on the size of the solar thermal system) and you can also increase your contribution to the environment.

High performance DHW cylinders

The Vitocell DHW cylinders for indirect heating enable a quick, plentiful and reliable supply of DHW at all times. For applications requiring large amounts of DHW, the vertical and horizontal DHW cylinders can be combined to create cylinder banks. By integrating the DHW supply into your wood heating system, you can save up to 50 % of the running costs compared to directly heated DHW.

Proven boilers

In an integrated system working with renewables, wood heating is often connected to a conventional oil/gas boiler that covers peak loads or backs up the biomass boiler. Depending on the type and temperature demand of your system, Viessmann offers highly efficient condensing boilers as well as low temperature boilers.



- 1 Viessmann bespoke control panel
- 2 Solar thermal system
- 3 Wood boiler
- 4 Condensing boilers
- 5 Low temperature boiler
- 6 DHW cylinder
- 7 System distribution



Vitocell DHW cylinders

Wood heating systems in operation

More than 1500 installations around the world operate with wood heating systems from Köb.



Alpine guest house Hörmoos –
a Pyromat DYN 65 heats the guest
house and the holiday guest rooms

Köb wood heating systems

Köb has been installing commercial wood heating systems for more than 30 years. During that time it has achieved significant recognition for its innovative and environmentally responsible products. Köb is part of the Viessmann Group, which supplies innovative high performance heating systems and systems for renewables.



Storage room



Pyromat DYN with spring core
discharge



Pyromat ECO log boiler for manual charging with a hopper width of 1080 mm







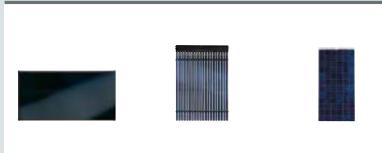



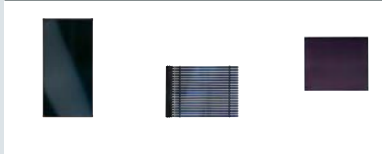



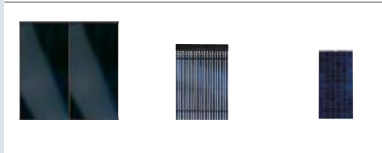






Pyromat ECO log boiler heats a two-family home in Niederbipp (Switzerland)



Pyromat ECO log boiler with adjacent Vitoplex 300 low temperature oil boiler

The comprehensive range of products and services from Viessmann

	 Oil low temperature and condensing technology 13 – 20,000 kW	 Gas low temperature and condensing technology 4 – 20,000 kW	 Solar thermal and photovoltaics
 Detached houses			
 Apartment buildings			
 Commerce / Industry			
 Local heating networks			

Individual solutions with efficient systems

The comprehensive range of products and services from Viessmann

The comprehensive range of products and services from Viessmann offers individual solutions with efficient systems for all applications and all energy sources. As environmental pioneers, the company has, for decades, been supplying particularly efficient and clean heating systems for oil and gas, as well as solar thermal systems along with heat generators for sustainable fuels and heat pumps.

The comprehensive range of products and services from Viessmann offers top technology and sets new benchmarks. With its high energy efficiency, this range helps to save heating costs and is always the right choice where ecology is concerned.

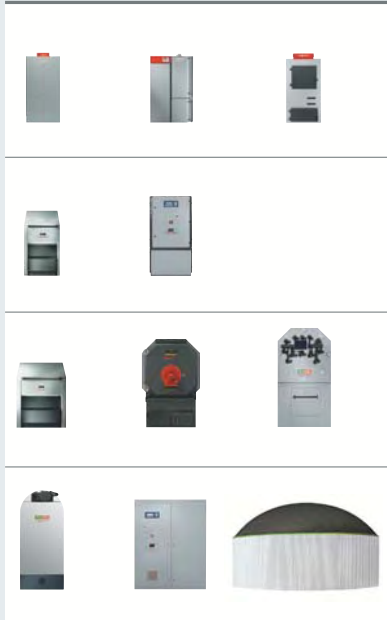
Individual and efficient

Viessmann offers the right heating system for any demand – wall mounted or floorstanding, in individual combinations – all are futureproof and economical. And whether for detached houses or two-family homes, large residential buildings, commercial/industrial use or for local heating networks; for modernising existing properties or new build – they are always the right choice.



Wood combustion technology,
CHP and biogas production

4 – 13,000 kW

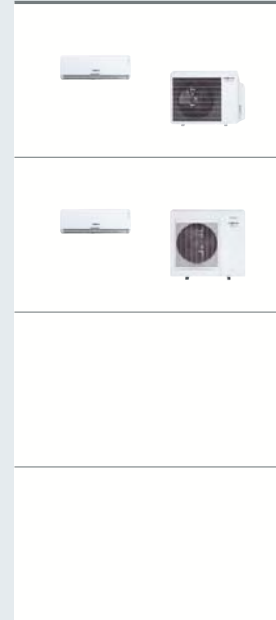


Heat pumps for
brine, water and air

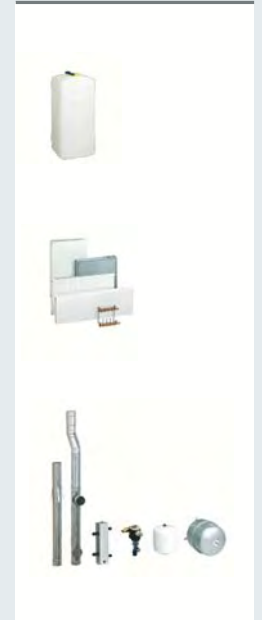
1.5 – 2000 kW



Air conditioning technology



System components



The comprehensive range of products and services from Viessmann: Individual solutions with efficient systems for all energy sources and applications

Key performers

The Viessmann Group sets the technological pace for the heating industry. This is what the Viessmann name represents, and also what the names of the subsidiaries in the Group represent, as they are founded on the same pioneering spirit and power of innovation.

The company offers the following:

- Condensing technology for oil and gas
- Solar thermal systems
- Heat pumps
- Wood combustion systems
- CHP modules
- Biogas plants
- Services

Viessmann is extremely highly specialised in all these market segments, yet at the same time the company has a crucial advantage over specialist suppliers: Viessmann understands heating technology as a systematic whole and offers unbiased advice on technology and fuel type. This guarantees the best solution for every application.

Viessmann Group



The comprehensive range of products and services from Viessmann



Detached houses



Apartment buildings



Commerce / Industry



Local heating networks



Oil low temperature and condensing technology
13 – 20,000 kW



Architect's own home, Bad Füssing, Germany



Residential development Zi Wei Garden Xi'an, China



Ameco A380 Hangar Beijing, China



European Parliament, Strasbourg, France



Gas low temperature and condensing technology
4 – 20,000 kW



Detached house, Kevelaer, Germany



„Wohnoase“ residential park in Regensburg, Germany



Porsche Leipzig, Germany



European Parliament, Brussels, Belgium



Solar thermal and photovoltaics



Heliotrop Freiburg, Germany



HafenCity Hamburg, Germany



City of Tomorrow, Malmö, Sweden



The Palm Jumeirah, Dubai



Wood combustion technology, CHP and biogas production
4 – 13,000 kW



Detached house, Wiesloch, Germany



Hotel Lagorai Cavalese, Italy



Congressional Centre, Brunstad, Norway



Monastery St. Ottilien, Germany



Heat pumps for brine, water and air
1.5 – 2,000 kW



Loftcube Regional Garden Show, Neu-Ulm, Germany



Studio flats, Brandenburg, Germany



University library, Bamberg, Germany



Residential estate, Pfäffikon, Switzerland

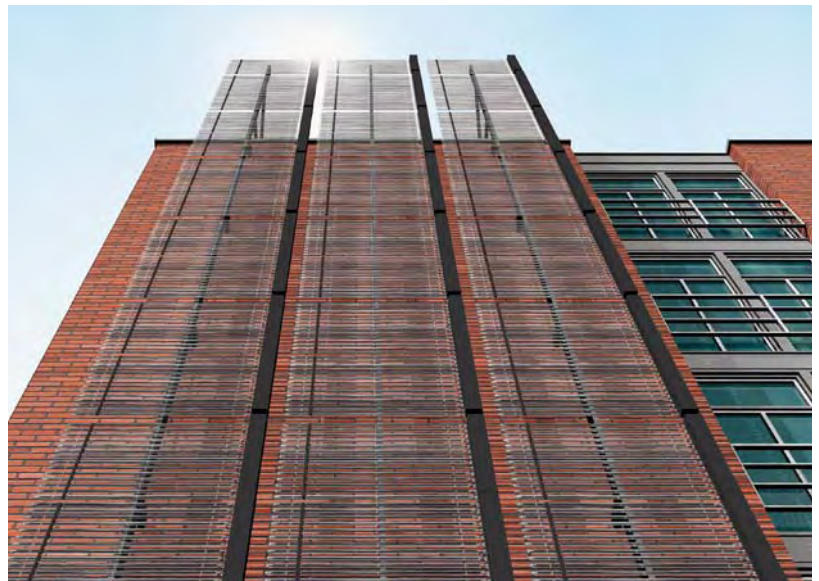
The comprehensive range of products and services from Viessmann:
Individual solutions with efficient systems for all energy sources and applications

Futureproof heating technology for all requirements

Energy consumption worldwide has doubled since 1970 and will triple by 2030. The result: The fossil fuels, oil and gas, are dwindling, energy prices are on the rise and excessive CO₂ emissions continue to affect our environment. Energy efficiency is a must if we want our future to be secure.

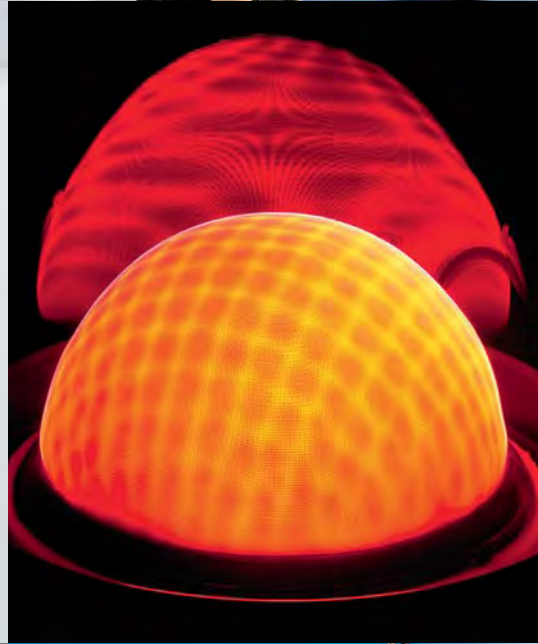
In almost every industrial nation, supplying heat to residential and commercial buildings accounts for the largest share of energy consumption – consequently it also offers the greatest savings potential. Advanced efficient heating systems from Viessmann are in use around the world, not only in many private households, but also in numerous major international projects, where they make a sizeable contribution to the efficient use of energy resources.

In these projects, Viessmann again and again faces up to the most varied challenges to supply efficient heating technology by offering innovative solutions – in historical listed buildings as well as in modern industrial complexes or in the large-scale residential and industrial arena.



City of Tomorrow, Malmö, Sweden

The company



Viessmann – climate of innovation

The Viessmann brand promise concisely expresses all that we hope to achieve. It is our key brand message and, together with our brand label, 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 a promise of high product utilisation and, at the same time, an obligation to protect the environment.

Comprehensive range of products and services for all fuel types

Viessmann is one of the leading international manufacturers of heating systems and, with its comprehensive range of products and services, offers individual solutions in the shape of efficient systems for all applications and types of fuel. As an environmental pioneer, the company has been supplying particularly efficient and clean heating systems.

Acting in a sustainable manner

For Viessmann, to take responsibility, means a commitment to act in a sustainable way. This means bringing ecology, economy and social responsibility into harmony with each other, ensuring that current needs are satisfied without limiting the basis for life for the generations to come.

Efficiency Plus

With the sustainability project "Efficiency Plus" Viessmann shows at its Allendorf site, that the political goals set for 2020 with regard to climate and energy can already be achieved today with commercially available technology.

This project demonstrates:

- Environmental protection
- Efficiency with resources
- Securing manufacturing sites for the future

As a result, fossil fuels have been cut by 40 percent and CO₂ emissions reduced by a third.



Viessmann won the German Sustainability Award 2009 for its commitment to climate protection and efficient use of resources.



For the particularly efficient utilisation of energy through the innovative heat recovery centre at the company's main site in Allendorf/Eder, Viessmann was rewarded with the Energy Efficiency Award 2010.

Viessmann Werke GmbH & Co. KG

Company details

- Established in: 1917
- Employees: 9000
- Group turnover: €1.7 billion
- Export share: 50 percent
- 16 factories in Germany, France, Canada, Poland, Hungary, Austria, Switzerland and China
- Sales organisation in 37 countries
- 120 sales offices worldwide
- 3 service providers

Performance spectrum

- Condensing technology for oil and gas
- Solar thermal systems
- Heat pumps
- Wood combustion systems
- CHP modules
- Biogas plants
- Services



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Your heating contractor: