

Stylish central heating with pellets.



FireWIN –  
the “heat centre”  
in your living room.

# Heating in perfection.

## Quality from tradition.

# Tradition

The small workshop that Anton Windhager started in 1921 has now grown into one of the largest and most important companies in the heating business. WINDHAGER ZENTRALHEIZUNG remains, as it began, a family firm and is now being successfully managed by the third generation. We're particularly proud of this independence. In a time of mergers and take-overs, we've managed to maintain our independence with flexibility, technical expertise and an innovative spirit.

At all times, we focus our efforts on satisfying our customers and honing our products to perfection.

Our motto is therefore "Heating in Perfection" – today, as in the past, we offer our customers individual, high-quality heating solutions that meet their expectations. With unique warranties, the best quality materials and the "Made in Austria" cachet, every WINDHAGER boiler is more than just a heat generator – it is a highly valuable, long-lasting product.

Gernot and Werner Windhager

*Windhager Gernot W. Windhager*





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# Design meets technology.

Enjoy the magic of fire and pamper yourself with ground-breaking heating technology. In selecting the FireWIN, you have chosen a modern form of central heating with an extremely stylish design.















# Central heating with style.

The FireWIN brings a new dimension to comfortable living. In spite of its highly advanced technology, it fills your home with the romance of a real fire. Its appealing shape and harmonious colour makes it a real eyecatcher in your living room.

# Additional quality of life.



## 1 An environmentally friendly renewable

As a renewable natural product, wood pellets are environmentally friendly and are independent of global oil prices. They are one of the most environmentally friendly fuels available, as they release as much CO<sub>2</sub> as was absorbed by the trees during their growth.



## 2 Self-cleaning.

Extreme convenience and straightforward handling are particular features of the FireWIN. Extra-long cleaning intervals of up to several months ensure that your heating experience will only require a minimum of fuss.



## 3 Low heating costs.

Pellets are one of the cheapest fuels on the market with the most stable prices. The modulating operation of the FireWIN also ensures particularly energy-saving operation. Using just 30 % of its nominal thermal output, it supplies as much energy as is actually required to keep your home feeling warm and cosy.

## The perfect functional



## 4 Automated pellet supply.

The required pellets are transported into the reserve supply container fully automatically at variably adjustable times. This means the boiler is always ready for use, and can also be operated independently during your absence, e.g. on holiday.





## Environmentally and fuel.

ect, pellets offer the highest level of supply secu-  
lobal developments. Furthermore, pellets are one  
riendly fuels. When burned, they only produce as  
y the trees as they grew – CO<sub>2</sub> neutral.

## combination of ctions and design.

Experience warmth  
for well-being in all  
senses. The FireWIN  
puts comfort and  
quality of life at the  
centre of attention.  
Save time and effort  
thanks to the innovative  
technology of this  
ground-breaking form  
of heating. Experience  
for yourself the many  
benefits of the FireWIN  
for your special heating  
experience!



### 6 Adjustable heat radiation.

Whilst you enjoy an unobscured view of the firelight through the large glass window, the FireWIN provides you with hot water and pleasant warmth throughout your home. The FireWIN has two front doors in order to make the best possible use of the heat that is produced. This means a mild radiated heat is assured at the same time as the best possible use of energy. During warmer months, a heat shield specially developed by Windhager can be inserted. This reduces the radiated heat to a minimum.



### 5 No boiler room is required.

All the hydraulic components can be integrated in the unit, therefore the FireWIN does not need a boiler room. You can use the freed-up space for other purposes, such as for a sauna or hobby room.

# Mix and match.

## Individual solutions.

The varied requirements of a modern central heating system are only matched by the different ways in which you can configure the FireWIN. Two power levels and several comfort levels, control systems and equipment provide a tailor-made heating solution that precisely matches your personal needs.

## Comfort classes.

|                          | EXKLUSIV        | PREMIUM         | KLASSIK      |
|--------------------------|-----------------|-----------------|--------------|
| Maintenance interval     | 2 to 4 months*  | 2 to 4 weeks*   | 2 to 4 days* |
| Heating surface cleaning | fully automated | manual          | manual       |
| Ash compression          | fully automated | none            | none         |
| Pellet loading           | fully automated | fully automated | manual       |

\*The actual maintenance interval depends on the mode of operation and the pellets used. Please refer to the operating instructions for details.  
The window should be cleaned daily to provide clear visibility.

## Suitable for any style of home.

Do you prefer purist and modern, or would you rather have a cosy, country-living atmosphere? The FireWIN is available in four different colour compositions to provide solutions for every taste and every type of home.



Basic colour platinum silver/  
decorative colour granite



Basic colour quartz beige/  
decorative colour pearl white



Basic colour platinum silver/  
decorative colour titanium



Basic colour platinum silver/  
decorative colour garnet





## Flexible hydraulic variants.

Most heating solutions comprise of a heating circuit for radiators or underfloor heating, with optional domestic hot water. All the hydraulic components needed for this common requirement scenario can be pre-installed in the FireWIN. In that case, you no longer need an expensive separate boiler room.

## The FireWIN can be turned into a system solution at any time.

For WINDHAGER, systematic thinking is extremely important. All components and individual elements are perfectly tuned to each other, and therefore guarantee excellent efficiency, environmentally friendly operation and the best possible heating comfort – and that's a safe assumption, since only WINDHAGER offers the unique "Function guarantee" on all its systems. Therefore, the FireWIN has numerous combination options for operating in tandem with other heat sources and consumers.



# Frequently asked questions.



## How can I use the FireWIN?

The FireWIN is a fully featured central heating boiler and therefore provides heat and hot water for the whole household. It can be installed in any room, and combined with other heat sources without further ado. The FireWIN operates fully automatically to a large extent, therefore you can take a long holiday break without any worries.

## Can I still use my existing heating system?

Certainly! Usually, the FireWIN can be integrated in existing heating systems without difficulty. It is also possible to have an automatic changeover between the FireWIN and an existing wood-fired boiler, for example, without any problems.

## In which rooms can I install the FireWIN?

The FireWIN can be installed in any room. It simply needs to stand on an unflammable base (e.g. glass plate). This means the FireWIN does not require a boiler room.

## Where can I find out about grants?

The use of renewable energy sources such as pellets may be subsidised by your national and/or local government. Please contact the relevant authorities to find out about grant conditions.





Winner of the Province of  
Salzburg Innovation Prize  
for Business, 2004



## The fully automated pellet feed.

To provide a follow-up supply of pellets, WINDHAGER ZENTRALHEIZUNG offers a fully automated feed system with a patent valid throughout Europe. It carefully transports the pellets in an air vacuum.



### Advantages of this unique system:

- Optimal reliability due to three separate removal points (suction probes) in the storage room.
- The position of the storage room is independent of that of the boiler room.
- Maintenance-free system.
- No moving parts or electrical cables are required in the storage room.
- Fully automated function checks:
  - “Purge”: If no pellets are being sucked in because of blockages, the changeover unit is rotated through 180° and the suction wand is thus “rinsed” – in other words, the feed and the return are swapped.
  - “Changeover”: If no pellets are delivered even after this cleaning, then switching to the next suction wand takes place and operation continues uninterrupted in any case.

This unique development is excellently suited to a the following storage room conditions:

Sheet steel tank



Fabric tank

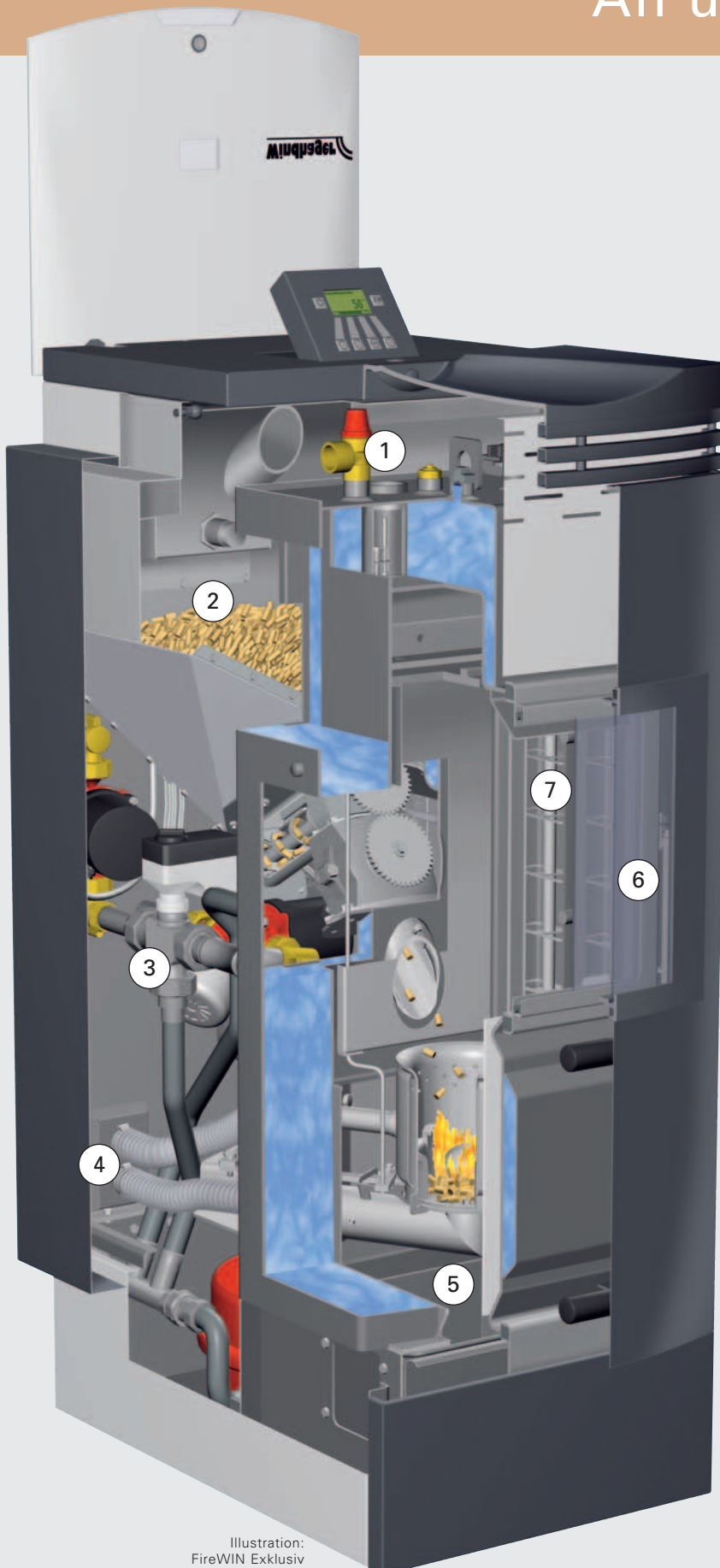


Representative photo

Buried tank



# An unique concept.



- ① Integrated safety equipment:
  - Safety valve
  - Pressure gauge
- ② Fully automated pellet feed
- ③ Integrated hydraulic components:
  - Circulation pump
  - Expansion vessel 12 litres
  - Motorised mixing valve
  - Hot water pump
- ④ Adapter for external combustion air supply
- ⑤ Fully automated ash compression
- ⑥ Double front door with heat shield
- ⑦ Fully automated heating surface cleaning

Award-winning innovation:



“Energie Genie 2006”  
of the Ministry for the  
Environment and  
Upper Austria

Winner of the Province  
of Salzburg Innovation  
Prize for Business, 2006

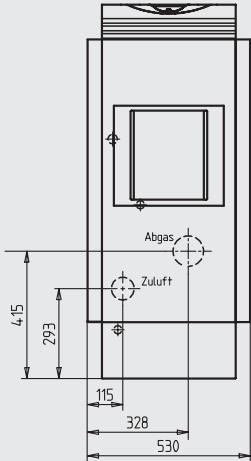


Illustration:  
FireWIN Exklusiv

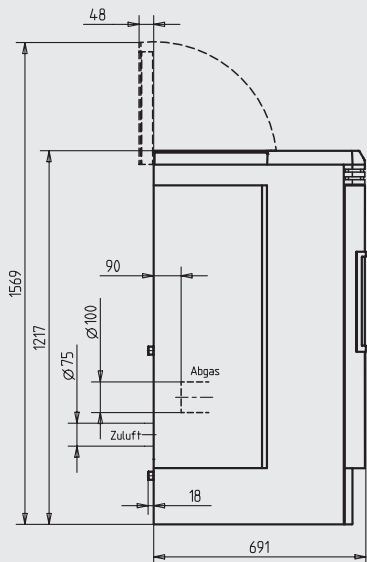




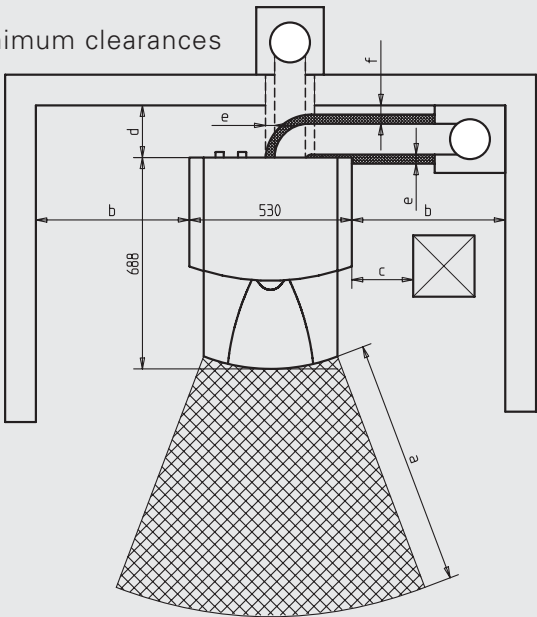
Front view



Side view



Minimum clearances



| Dimension | Clearance | Description                                                                  |
|-----------|-----------|------------------------------------------------------------------------------|
| a         | 800 mm    | Minimum clearance in radiation area (front window) from flammable materials. |
| b         | 500 mm    | Minimum lateral clearance from non-movable objects (e.g. wall).              |
| c         | 200 mm    | Minimum lateral clearance from movable objects (e.g. furniture).             |
| d         | 140 mm    | Minimum distance from flue connection to left or right.                      |
|           | 80 mm     | Minimum distance from flue connection straight back.                         |
| e         | 30 mm     | Minimum thickness of insulation from exhaust pipe with flammable walls.      |
| f         | 0 mm      | Minimum clearance from non-flammable walls with non-insulated exhaust pipe.  |

# Technical data

| FireWIN pellet flue-connected stove              |    | FW 090                                              | FW 120     |
|--------------------------------------------------|----|-----------------------------------------------------|------------|
| Fuel                                             |    | Pellets acc. to ÖNORM M7135, DINplus or Swisspellet |            |
| Nominal thermal output                           | kW | 9                                                   | 12         |
| Thermal output for water                         | kW | 3.8 – 7.8                                           | 3.8 – 10.4 |
| Thermal output for room heating                  | kW | 0.6 – 1.2                                           | 0.6 – 1.6  |
| Thermal output for room heating with heat shield | kW | 0.3 – 0.8                                           | 0.3 – 1.1  |
| Total efficiency                                 | %  | 94.8                                                | 94.1       |
| Pellet reserve supply container                  | kg | ~ 37                                                |            |
| Dimensions W x D x H                             | mm | 530 x 688 x 1217                                    |            |
| Net weight                                       | kg | 218                                                 |            |
| Flue gas connection diameter                     | mm | 100                                                 |            |

[www.windhager.com](http://www.windhager.com)

## Windhager offers more than first-class products:

### Quality consulting from our expert partners.

You can obtain WINDHAGER ZENTRALHEIZUNG products from our expert PARTNERS. Our partners are experienced heating specialists who work in close professional cooperation with WINDHAGER ZENTRALHEIZUNG to achieve the best results for our customers.

### Professional customer service network.

Perfect customer service is one of the mainstays of WINDHAGER's success. Our professional customer service network guarantees the best customer care every day. Our customer service technicians are experienced professionals who work quickly and reliably, without any bureaucratic fuss.



Your expert PARTNER:

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**Windhager**  
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Heating in perfection.