

# Walltherm

*the first natural down-draught woodgasification stove  
for the living room*

*Walltherm will heat your whole house and your hot water!*



- Environmentally friendly, highly efficient woodgasification combustion systems with natural down-draught
- High degree of efficiency 90-93% consequently low fuel use
- Functional design, contemporary, and space saving with visible fire in two combustion chambers

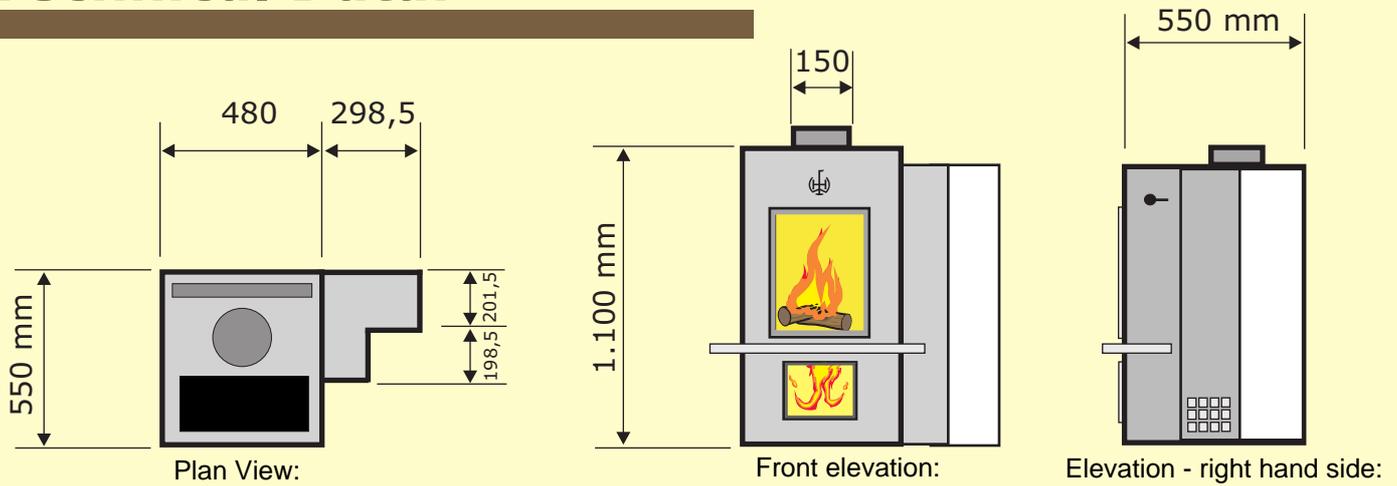
*developed by:*



**WALLNÖFER H.F.**  
ENERGIESYSTEME

**Walltherm Multifunctional**

# Technical Data:



Output:	14,9 KW
Efficiency:	> 90 %
Operating pressure:	2 bar
Chimney up-draft (without fan):	min. 12 Pa
Weight:	ca. 275 kg
Boiler volume:	16 lt
Volume of combustion chamber:	65 lt
Flue diameter:	150 mm
Exhaust gas mass:	38,5 kg/h
Exhaust gas temperature	approx. 110 °C
Fuel	natural wood max. log length 35 cm

Guarantees: 5 Years on the stove body (excluding consumables)  
2 Years for armatures and electrical fittings

## Connecting the boiler to the heating system

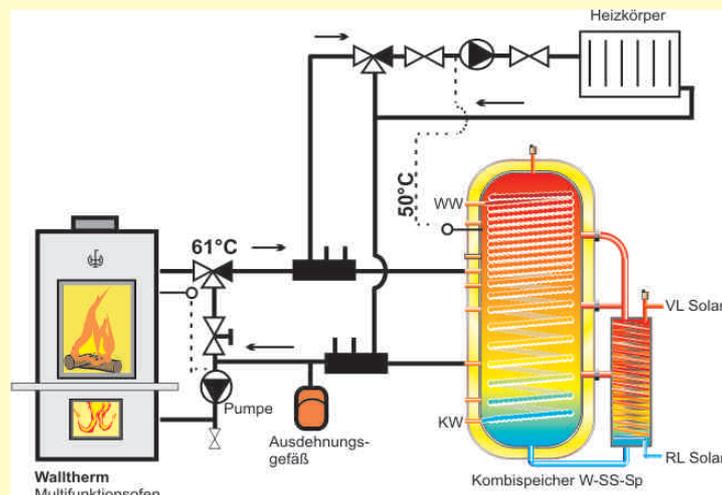
The boiler can be connected directly into the central heating (Flow and return) circuit. (For example when there is long distance to the heating room containing the hot water storage tank) It is more beneficial though to use the boiler for heating a Kombi-tank situated elsewhere supplying domestic hot water and hot water for the heating circuit.

The Kombi-tank can act as a thermal store and the stove will not have to be operated continually. (Resulting in shorter attendance time)

Purpose built for this application, is the Wallnoefer Kombi-tank W-SS-Sp 750, 1000 or 1200 litre with a built in corrugated stainless steel heat exchanger for hygienically clean and Legionaires Bacteria free, sanitary hot water. This type of cylinder has connectors for a variety of heat sources, such as Wood burning Boilers, Pellet boilers, Oil or Gas boilers, Heat Pumps, electric immersion heaters, Solar Panels etc.

We can supply operating manuals and schematic drawings for any desired orientation of installation)

## Schematic example for Wallnoefer Multifunction Wood gasification Boiler with a Kombi Cylinder



# Functionality:

Some characteristics of the Walltherm Multifunktion Stove

- Healthy living environment created by radiant heat
- The visible fire in the upper and lower combustion chamber makes the room temperature feel 3 degrees higher and induces a feeling of comfort and cosyness
- Wood gasification system working on natural down draught principle (no fan)
- Simple operation (No complicated electronics)
- Stove tested by the renowned BLT-Wieselburg (A) test centre
- The stove is protected by international patents



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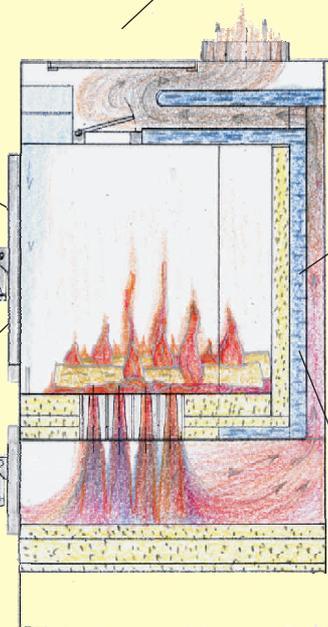


A quality product from South Tirol

The Walltherm-stove has two combustion chambers. In the upper one the fire gets lit and the resulting hot gases are transferred into the lower combustion chamber, secondary air is added and an afterburn at high temperature takes place. The heat and clean exhaust gases then contact the hot water. (Boiler function)

For the true fans of wood burning:  
The doors of both combustion chambers are glazed with temperature resistant glass so that the fire can be watched from your favourite armchair.

Possibility to cook  
As an additional benefit the stove has a small cooker plate for cooking and for keeping food warm. Ideal for holiday homes!



The highly effective heat exchanger makes it possible to achieve a very high rate of efficiency of over 90%. The efficiency rate was confirmed by BLT-Wieselburg

Heat Distribution:



70 % Hot water 30% Radiant Heat



## WALLNÖFER H.F. ENERGIESYSTEME



Heating with wood protects the environment.

During growth, trees extract carbon dioxide from the air, they store carbon and release oxygen back into the environment

Both during combustion or natural deterioration the carbon combined with oxygen is then recycled.

Consequently wood is a carbon neutral fuel source and its use actively contributes to lessening the impacts on our environment

### Progress through innovation

" Progress is the route from the primitive to the simple solution, via the complicated one."

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