

CATALOGUE

PELLET-FIRED STOVES, HYDRO-STOVES, KITCHENS AND BOILERS



WIESBERG®

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BIOENERGY IS RENEWABILITY



Low environmental impact and environmentally friendly products

Industrial production has always had a very important impact on the planet, whether we are talking about production processes or products.

Producing boilers and stoves, as well as automotive or various machinery, means having an additional responsibility, means having an ethical approach starting from the design and up to the disposal of the product.

Finding solutions that integrate the search for products always more eco-friendly and with low environmental impact with everyday well-being, ease of use, advanced technology, beauty, is an integral part of our mission, as well as raising awareness of the public and sector employees towards an ever greater active awareness.

For this reason, we also ask our customers to install, feed and maintain the products in a suitable way, above all following the regulations, as well as to use them with attention and respect for the environment, just as we are committed to following targeted production rules, with low impact on the territory, on people and on the ecosystem.

Renewability means intelligent use of resources; on this planet, often suffering from waste, in addition to seeking new solutions, pursuing advanced technology, promoting renewable energy sources, reducing emissions, it is important to maintain, differentiate, recycle, for ethical savings.

The objective of Wiesberg products is, in line with the requirements of the most restrictive European standards, to help protect the environment as much as possible, significantly reduce combustion emissions including the production of CO₂, thus making heating with biomass fuel (wood, pellets, etc.) increasingly ecological, as well as safe and with maximum user comfort.

Why burn wood (or derivatives) and therefore trees and plants, instead of other fossil fuels?

Simple, nature itself shows us how it is possible to keep our system in balance.

In fact, thanks to the mechanism of chlorophyll photosynthesis, the sun and plants ensure the right proportion of oxygen to the air we breathe.

Plants absorb carbon dioxide from the atmosphere (1), thus recovering carbon, necessary for their growth and, at the same time, they return oxygen, essential to our life and that of the planet (2).

The term biomass indicates all those materials of organic / vegetable origin which, unlike hydrocarbons, have not undergone fossilization processes (unlike oil, coal or natural gas).

During proper combustion, the carbon of the wood (3) combined with the oxygen in the air, produces the exact amount of carbon dioxide absorbed by the tree during its life cycle (4).

While fossil fuels are subject to depletion, wood, pellets and other wood products represent a renewable source of energy.

For this reason, installing a Wiesberg appliance running on pellets, wood or dual fuel is an “eco-friendly” choice, responsible towards our planet, while guaranteeing maximum comfort.

CYCLE OF NATURE



- 1 Chlorophyll photosynthesis: leaves absorb carbon dioxide from the atmosphere.
- 2 They recover carbon, their nourishment to live and grow, producing oxygen.
- 3 Wood obtained from trees is therefore a product of photosynthesis and is composed of carbon.

- 4 By burning wood (or derivatives) in the hearth, the carbon combines with oxygen and, thanks to the double combustion, releases the same amount of carbon dioxide that the tree had removed from the atmosphere to produce the wood.
- 5 The CO₂ emitted by the chimney is equal to the CO₂ absorbed by the plant. This is why it can be defined as “zero environmental impact”.

REGULATIONS AND CERTIFICATIONS

The ECODESIGN regulation establishes the requirements and methods of application of Directive 2009/125 / EC of the European Parliament and the Council of the European Union, regarding the eco-design criteria for biomass appliances.

The objective of the regulation is to improve the environmental performance of new biomass heat generators and that is why, starting from its entry into force, only appliances capable of meeting the required efficiency and emissions limits can be marketed.

The regulation is mandatory and must be directly applied by each of the member States of the European Union starting from:

- **January 1st, 2020**
for biomass boilers (EU Regulation 2015/1189)
- **January 1st, 2022**
for biomass household appliances, such as:
stoves, fireplaces and kitchens (EU Regulation 2015/1185).

**ECO
DESIGN**
2020

**ECO
DESIGN**
2022

Product certifications

Wiesberg appliances are submitted to independent Notified Bodies for an evaluation, based on the strictest European laws. Subsequently, the Notified Bodies certify the product's high efficiency and low emissions, as required by various national and regional laws.



Conformity mark to
european normatives

EN 14785

European reference standard
for pellet fired stoves

EN 13240

European reference standard
for wood logs fired stoves

EN 13229

European reference standard
for inserts and fireplaces

EN 303.5

European reference standard
for solid fuels boilers

ENERGY LABEL

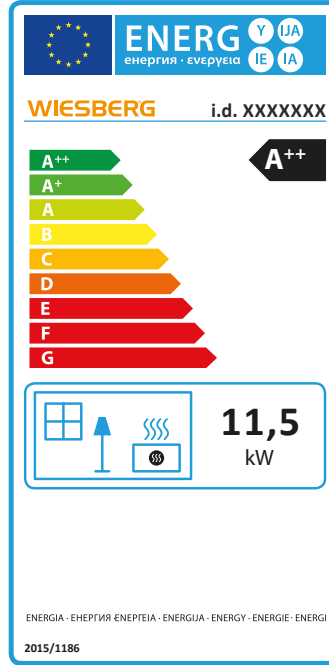
The European Energy Label provides consumers with accurate information on the energy consumption and performance of stoves, hydro-stoves, kitchens and boilers, both wood and pellet-fired.

Wiesberg appliances are designed and built with a particular attention to energy saving, reaching and widely exceeding class A for most of the products.

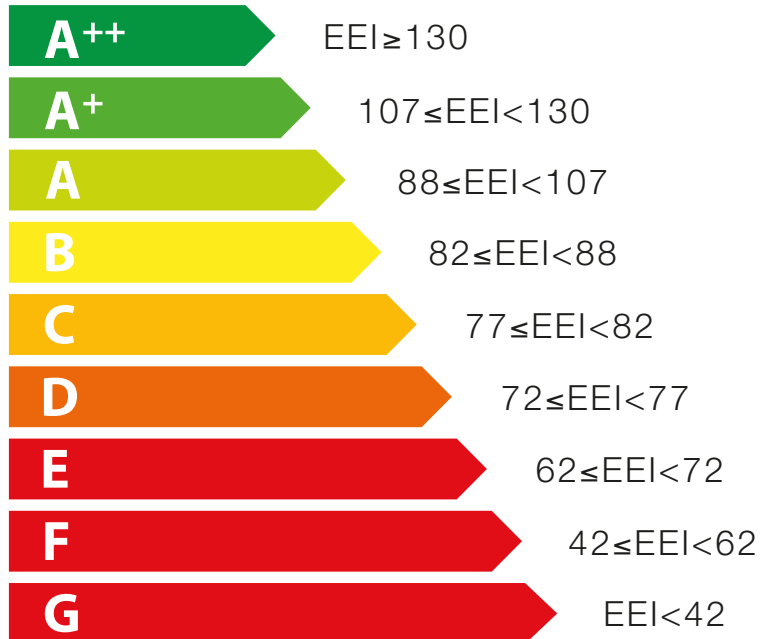
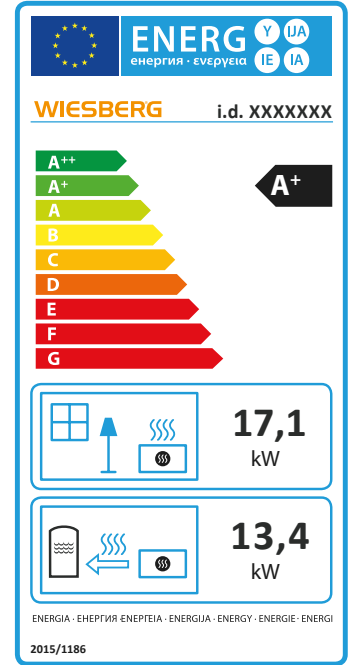
As for household appliances, thanks to the Energy Label, the consumer can identify the energy characteristics of the product, such as:

- The name or brand of the supplier and the model identifier;
- the energy efficiency class of the appliance, according to a scale ranging from G to A ++;
- the direct thermal power of the appliance, i. e. the nominal Output, expressed in kW.

Example of STOVE energy label



Example of the HYDRO-STOVE energy label





VENTILATED PELLET STOVE



**ECO
DESIGN**
2022

MAN		5
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	47x27,7x88
WEIGHT	kg	45
NOMINAL INPUT (min.-max.)	kW	2,6 - 4,9
NOMINAL OUTPUT (min.-max.)	kW	2,35 - 4,4
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	89,63 - 90,2
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	9,9
SMOKE OUTLET Ø	mm Ø	80
AIR DUCT DIAMETER	mm Ø	50
PELLET RESERVOIR CONTENT	kg	10
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,55 - 1,0
Nominal ELECTRIC ABSORPTION	W	75
ELECTRIC ABSORPTION at the ignition stage	W	315
HEATING VOLUME	m ³	135
NOISINESS	dB	39 / 52

PLUS PRODUCT



**VENTILATED
STOVE**



**CERAMIC
GLASS**



**CAST IRON
BRAZIER**



**DAILY
PROGRAMMING**



**POWER
MODULATION**



**REAR SMOKE
OUTLET**



**UPPER SMOKE
OUTLET**



**REMOTE CONTROL
(optional)**



**WI-FI
(optional)**



Black



White



Burgundy



COMPATIBLE WITH
amazon alexa





MAUI

VENTILATED PELLET STOVE



ECO
DESIGN
2022

MAUI

MAUI		6,5
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	45,8x52,9x84,1
WEIGHT	kg	77
NOMINAL INPUT (min.-max.)	kW	4,45 - 7,11
NOMINAL OUTPUT (min.-max.)	kW	4,2 - 6,3
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	94,39 - 88,50
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	10
SMOKE OUTLET Ø	mm Ø	80
AIR DUCT DIAMETER	mm Ø	40
PELLET RESERVOIR CONTENT	kg	13
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,92 - 1,47
Nominal ELECTRIC ABSORPTION	W	78
ELECTRIC ABSORPTION at the ignition stage	W	389
HEATING VOLUME	m ³	120 ÷ 180

PLUS PRODUCT



VENTILATED
STOVE



CERAMIC
GLASS



CAST IRON
BRAZIER



DAILY / WEEKLY
PROGRAMMING



POWER
MODULATION



REAR SMOKE
OUTLET



WI-FI
(optional)



Black



White



Burgundy



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BALI

BALI

VENTILATED PELLET STOVE



**ECO
DESIGN**
2022

BALI		8
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	46,6x53,2x92,3
WEIGHT	kg	95
NOMINAL INPUT (min.-max.)	kW	4,45 - 9,55
NOMINAL OUTPUT (min.-max.)	kW	4,2 - 8,33
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	94,39 - 87,22
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	10
SMOKE OUTLET Ø	mm Ø	80
AIR DUCT DIAMETER	mm Ø	40
PELLET RESERVOIR CONTENT	kg	15
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,92 - 1,97
Nominal ELECTRIC ABSORPTION	W	80
ELECTRIC ABSORPTION at the ignition stage	W	389
HEATING VOLUME	m ³	120 ÷ 238

PLUS PRODUCT



**VENTILATED
STOVE**



**CERAMIC
GLASS**



**CAST IRON
BRAZIER**



**DAILY / WEEKLY
PROGRAMMING**



**POWER
MODULATION**



**REAR SMOKE
OUTLET**



**WI-FI
(optional)**



Black



White



Burgundy





GIAVA

VENTILATED PELLET STOVE



ECO
DESIGN
2022

GIAVA

GIAVA		9
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	44x48x100
WEIGHT	kg	82
NOMINAL INPUT (min.-max.)	kW	3,3 - 9,7
NOMINAL OUTPUT (min.-max.)	kW	3,0 - 8,7
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	89,5 - 91,3
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	12
SMOKE OUTLET Ø	mm Ø	80
AIR DUCT DIAMETER	mm Ø	50
PELLET RESERVOIR CONTENT	kg	13
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,7 - 2,0
Nominal ELECTRIC ABSORPTION	W	115
ELECTRIC ABSORPTION at the ignition stage	W	300
HEATING VOLUME	m ³	200
NOISINESS	dB	39 / 52

PLUS PRODUCT



VENTILATED
STOVE



CERAMIC
GLASS



CAST IRON
BRAZIER



DAILY
PROGRAMMING



POWER
MODULATION



REAR SMOKE
OUTLET



REMOTE
CONTROL
(optional)



WI-FI
(optional)



Black



White



Burgundy



COMPATIBLE WITH
amazon alexa



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TAHITI

VENTILATED PELLET STOVE



**ECO
DESIGN**
2022

TAHITI

TAHITI		12C
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	49,6x56,1x103
WEIGHT	kg	112
NOMINAL INPUT (min.-max.)	kW	4,87 - 13,22
NOMINAL OUTPUT (min.-max.)	kW	4,53 - 11,52
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	93,07 - 87,15
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	12
SMOKE OUTLET Ø	mm Ø	80
AIR DUCT DIAMETER	mm Ø	40
PELLET RESERVOIR CONTENT	kg	20
AVERAGE CONSUMPTION (min.-max.)	kg/h	1 - 2,73
Nominal ELECTRIC ABSORPTION	W	146
ELECTRIC ABSORPTION at the ignition stage	W	363
HEATING VOLUME	m ³	129 ÷ 330

PLUS PRODUCT



**VENTILATED
STOVE**



**CERAMIC
GLASS**



**CAST IRON
BRAZIER**



**DAILY / WEEKLY
PROGRAMMING**



**POWER
MODULATION**



**REAR SMOKE
OUTLET**



**DUCTABLE
(optional)**



**WI-FI
(optional)**



Black



White



Burgundy





DEVON

DEVON

COMPACT PELLET KITCHEN



ECO
DESIGN
2022

DEVON		8
ENERGY CLASS		A+
DIMENSIONS (LxPxH)	cm	72x54x86
WEIGHT	kg	105
NOMINAL INPUT (max.)	kW	8,8
NOMINAL OUTPUT (max.)	kW	8
MINIMUM OUTPUT	kW	3,1
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	92,4 - 90,9
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	12
SMOKE OUTLET Ø	mm Ø	80
PELLET RESERVOIR CONTENT	kg	12
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,682 - 1,809
Nominal ELECTRIC ABSORPTION	W	80
ELECTRIC ABSORPTION at the ignition stage	W	335
HEATING VOLUME	m ³	69 ÷ 178
NOISINESS	dB	34 / 44

PLUS PRODUCT



COMPACT
KITCHEN



CERAMIC
GLASS



STEEL
BRAZIER



DAILY / WEEKLY
PROGRAMMING



POWER
MODULATION



"SILENT"
FUNCTION



REAR SMOKE
OUTLET



SIDE SMOKE
OUTLET
(optional)



DUCTABLE
(optional)



WI-FI
(optional)



Black



White



Burgundy



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VENTILATED PELLET HYDRO-STOVE



ECO
DESIGN
2022

YURA		14	18	22	26	30
ENERGY CLASS		A+	A+	A+	A+	A+
DIMENSIONS (LxPxH)	cm	46x48x95	55x59x111	59x68x122	70x74x137	70x74x137
WEIGHT	kg	145	160	230	280	280
NOMINAL INPUT (min.-max.)	kW	5,23 - 14,79	4,1 - 18	5,26 - 23,12	8,95 - 27,34	8,95 - 32,41
NOMINAL OUTPUT (min.-max.)	kW	5,04 - 13,84	4 - 17,14	5,08 - 21,96	8,57 - 25,86	8,57 - 30,48
OUTPUT TO THE WATER (min.-max.)	kW	3,81 - 10,53	3,10 - 13,43	4,20 - 17,86	6,51 - 20,35	6,51 - 24,38
OUTPUT TO THE ROOM (min.-max.)	kW	1,22 - 3,31	0,9 - 3,7	0,88 - 4,10	2,06 - 5,51	2,06 - 6,1
EXCHANGER WATER CONTENT	l	17	31	50	60	60
EXPANSION VESSEL CAPACITY	l	6	7	8	8	8
MAXIMUM WORKING PRESSURE	bar	3	3	3	3	3
MANOMETRIC HEAD OF THE PUMP	m	6	6	6	6	6
WATER SIDE PRESSURE DROP (Δt 10 K) / (Δt 20 K)	mbar	-	181 / 45,2	186,8 / 46,7	285,9 / 71,5	405 / 101,2
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	93,54 - 96,29	97,54 - 94,97	95,74 - 96,71	95,79 - 94,56	95,79 - 94,03
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	12	8	10	6	6
SMOKE OUTLET \varnothing	mm \varnothing	80	80	80	100	100
AIR INTAKE DIAMETER	mm \varnothing	50	50	50	50	50
PELLET RESERVOIR CONTENT	kg	17	33	38	57	57
AVERAGE CONSUMPTION (min.-max.)	kg/h	1,067 - 3,017	0,84 - 3,7	1,113 - 4,893	1,8 - 5,5	1,8 - 6,3
ELECTRIC ABSORPTION (nominal / at ignition stage)	W	82 - 350	82 - 350	145 - 400	165 - 430	165 - 430
HEATING VOLUME	m ³	340	420	510	600	730
NOISINESS	dB	35 / 45	35 / 50	35 / 50	35 / 50	35 / 50

PLUS PRODUCT



HYDRO
VENTILATED



HYDRO
(mod. 14)



STEEL
BRAZIER
(mod. 14)



CAST IRON
BRAZIER



MAGIC
GLASS



REAR SMOKE
OUTLET



POWER
MODULATION



WEEKLY
PROGRAMMING



WI-FI
(optional)



Black



White

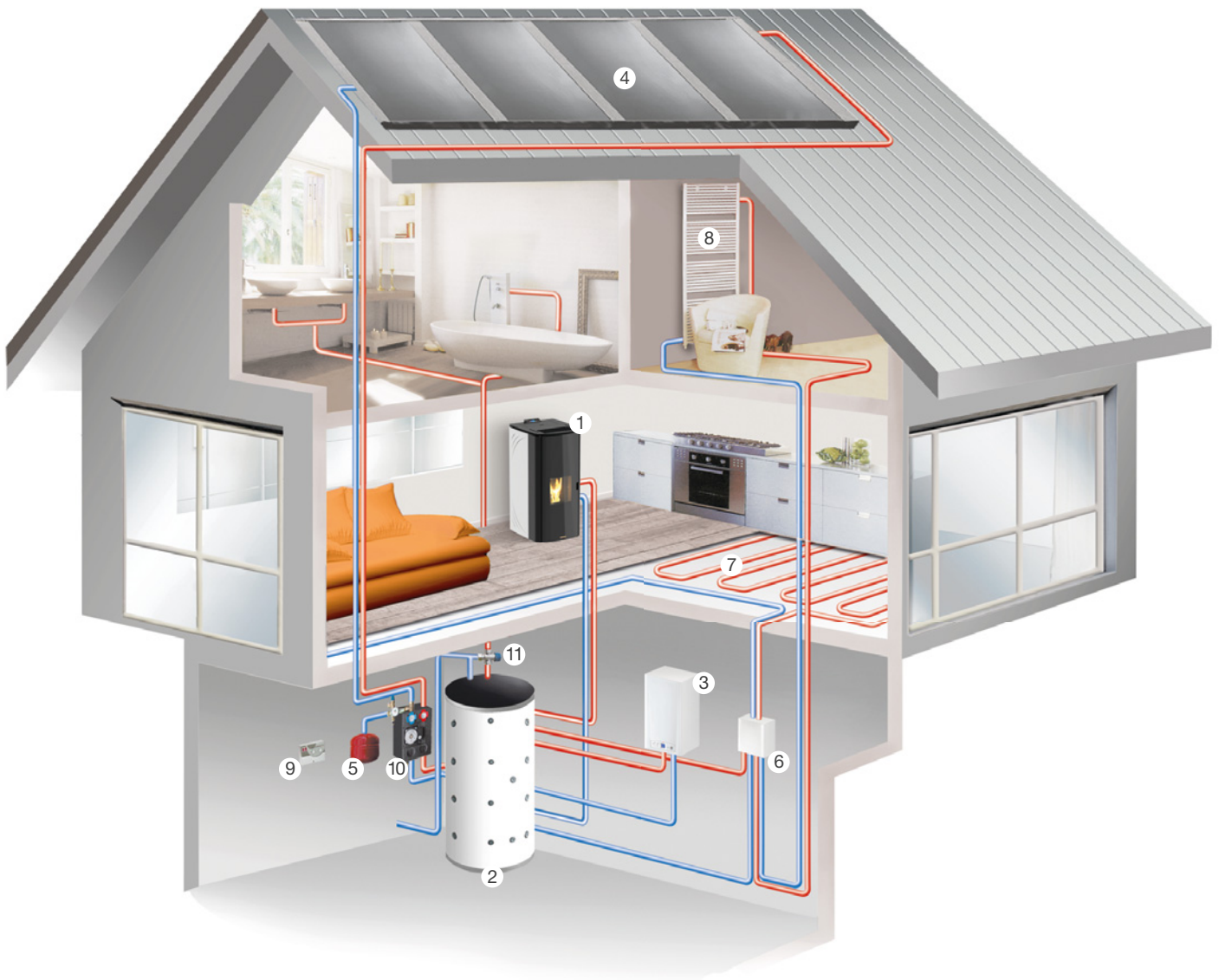


Burgundy



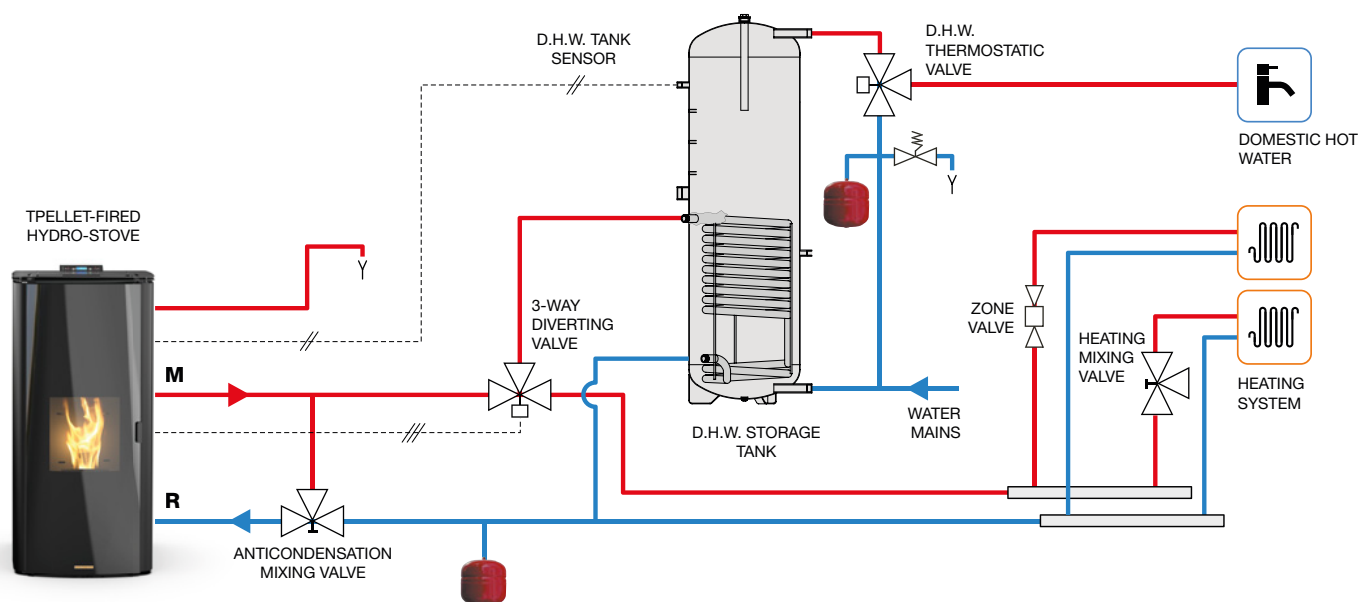
Wiesberg hydro-stoves can be adapted to existing systems, also **in combination with other renewable energy sources**, to heat the house and produce domestic hot water.

The hydro-stove controls and optimizes the consumption according to the needs.



- | | |
|---|----------------------------|
| 1 HYDRO-STOVE | 6 DISTRIBUTION MODULE |
| 2 BUFFER TANK WITH COIL FOR SOLAR INTEGRATION | 7 FLOOR HEATING SYSTEM |
| 3 WALL-HUNG BOILER FOR HEATING ONLY | 8 RADIATOR HEATING SYSTEM |
| 4 SOLAR COLLECTORS | 9 SOLAR CONTROL UNIT |
| 5 SOLAR EXPANSION VESSEL | 10 SOLAR CIRCULATION GROUP |
| | 11 THERMOSTATIC MIXER |

SYSTEM DIAGRAM OF PELLETT-FIRED HYDRO-STOVE WITH ROOM TEMPERATURE SENSOR AND D.H.W. TANK



These schemes are purely indicative.
The thermo-hydraulic system must be built according to the regulations in force
and equipped with all the control / safety accessories.



T-PET BOILER

T-PET BOILER

PELLET FIRED BOILER



ECO
DESIGN
2020

T-PET BOILER		14	18	22	26	30
ENERGY CLASS		A+	A+	A+	A+	A+
DIMENSIONS (LxPxH)	cm	56,2x70x108	63x78,7x125	63x78,7x125	69x76,4x136	69x76,4x136
WEIGHT	kg	150	240	240	305	305
NOMINAL INPUT (min.-max.)	kW	4,5 - 15,1	5,86 - 19	6,8 - 23	7 - 27,1	7 - 31,5
NOMINAL OUTPUT (min.-max.)	kW	4,1 - 13,8	5,21 - 17,51	6,3 - 21	6,3 - 25	6,34 - 29
OUTPUT TO THE WATER (min.-max.)	kW	4,1 - 13,8	5,21 - 17,51	6,3 - 21	6,3 - 25	6,34 - 29
EXCHANGER WATER CONTENT	l	31	50	50	60	60
EXPANSION VESSEL CAPACITY	l	7	8	8	8	8
MAXIMUM WORKING PRESSURE	bar	3	3	3	3	3
MANOMETRIC HEAD OF THE PUMP	m	6	6	6	6	6
WATER SIDE PRESSURE DROP (Δt 10 K) / (Δt 20 K)	mbar	181 / 45,2	123,5 / 30,9	123,5 / 30,9	285,9 / 71,5	405 / 101,2
EFFICIENCY AT NOMINAL OUTPUT (min.-max.)	%	90,6 - 91,2	88,82 - 92,13	92,1 - 91,1	90,65 - 92,2	90,65 - 92,1
MINIMUM DRAUGHT AT THE CHIMNEY BASE	Pa	12	10	10	9	10
SMOKE OUTLET \varnothing	mm \varnothing	80	80	80	100	100
AIR INTAKE DIAMETER	mm \varnothing	50	50	50	60	60
PELLET RESERVOIR CONTENT	kg	46	60	60	81	81
AVERAGE CONSUMPTION (min.-max.)	kg/h	0,91 - 3,14	1,195 - 3,875	1,31 - 3,96	1,43 - 5,5	1,43 - 6,5
ELECTRIC ABSORPTION (nominal / at ignition stage)	W	74 - 330	67 - 330	76 - 330	85 - 330	95 - 330
HEATING VOLUME	m ³	450	470	540	630	630
NOISINESS	dB	35 / 50	35 / 50	35 / 50	35 / 50	35 / 50

PLUS PRODUCT



BOILER FOR
HEATING ONLY



AUTOMATIC
BRAZIER
CLEANING



POWER
MODULATION



REAR SMOKE
OUTLET



WEEKLY
PROGRAMMING



WI-FI
(optional)



mod. 14



mod. 18-22



mod. 26-30

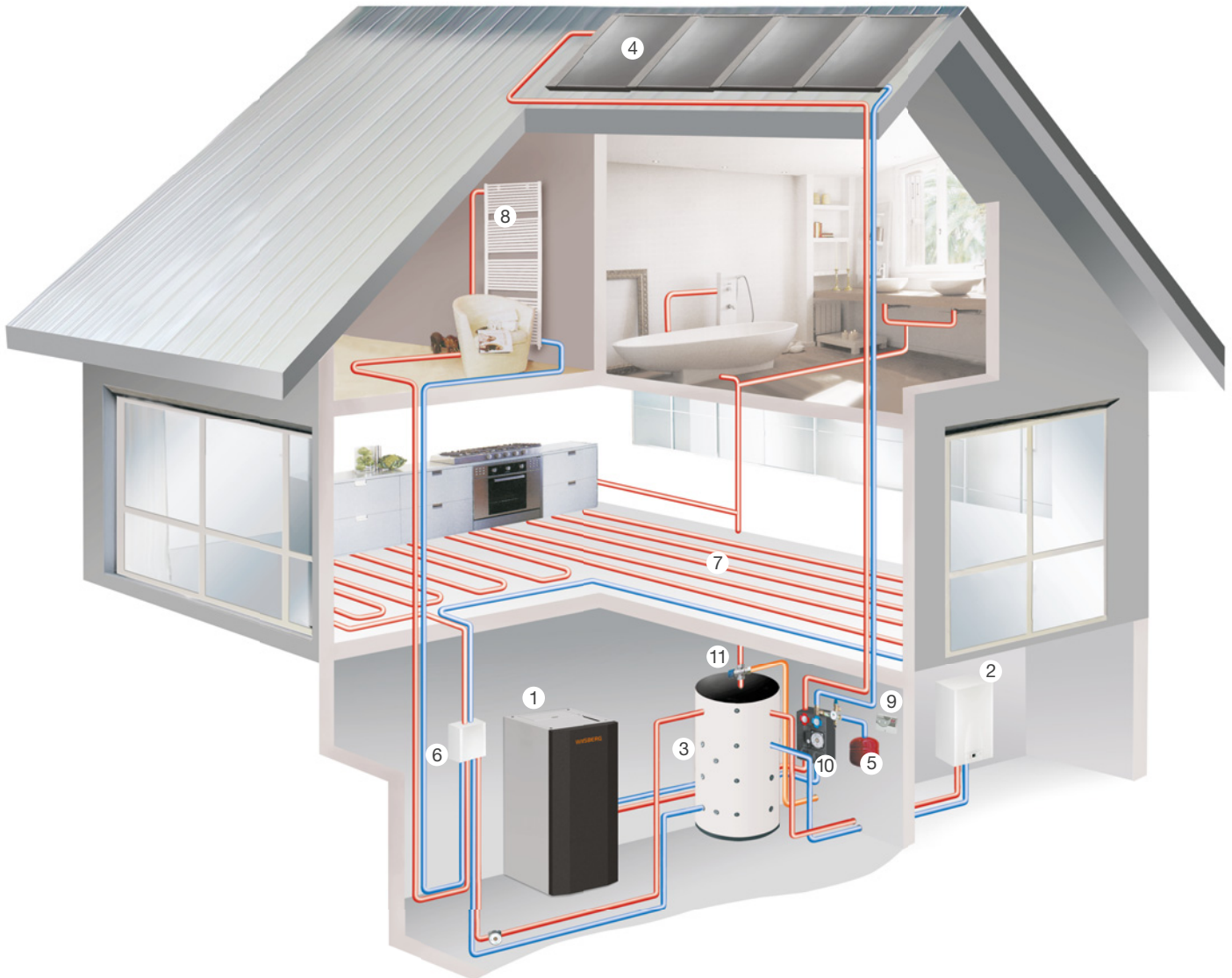


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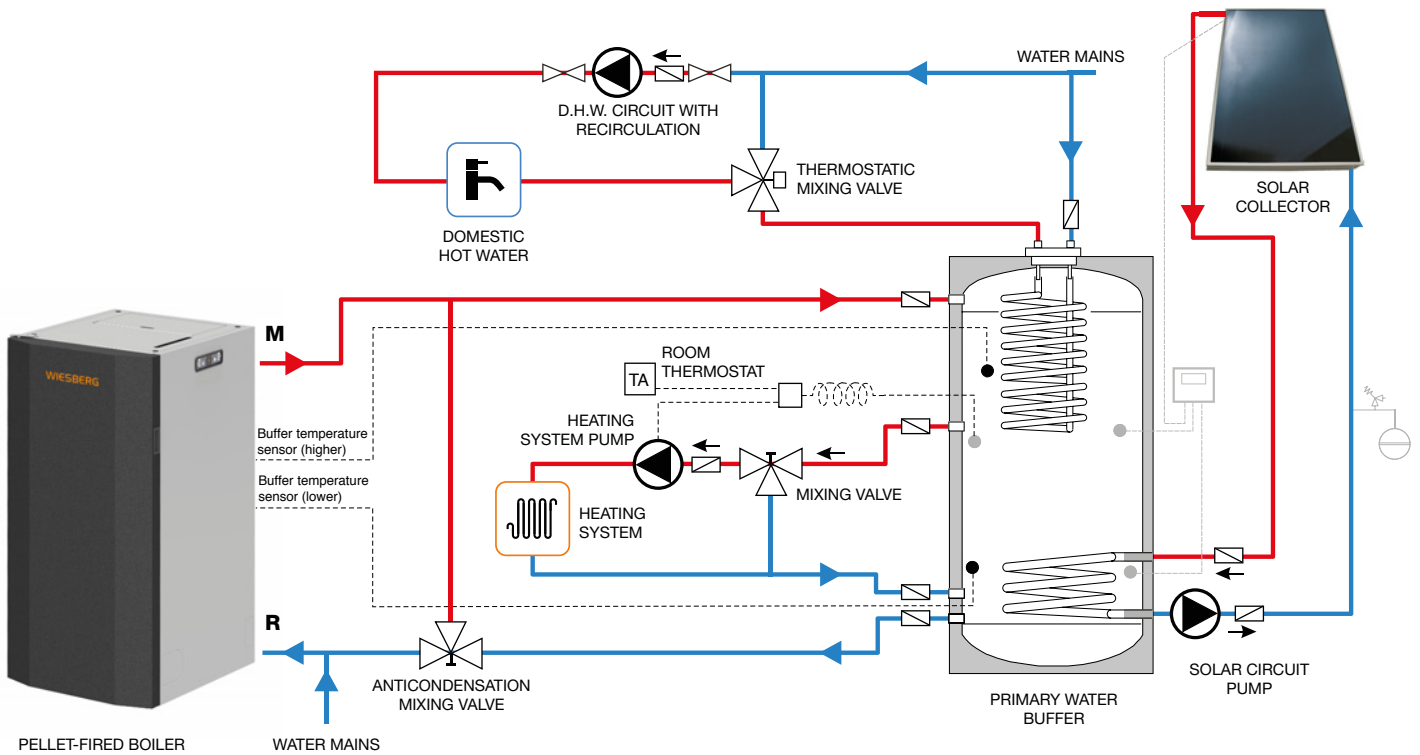
Wiesberg pellet-fired boilers can be **combined with other renewable energy sources** to heat the house.

Solar panels, radiant floor systems, D.H.W. storage tanks, heat pumps, control systems are easily connected to ensure maximum performance and optimized consumption according to the user's needs.



- | | |
|-------------------------------------|----------------------------|
| 1 PELLETT-FIRED BOILER | 6 DISTRIBUTION MODULE |
| 2 WALL-HUNG BOILER FOR HEATING ONLY | 7 FLOOR HEATING SYSTEM |
| 3 STORAGE TANK | 8 RADIATOR HEATING SYSTEM |
| 4 SOLAR COLLECTORS | 9 SOLAR CONTROL UNIT |
| 5 SOLAR EXPANSION VESSEL | 10 SOLAR CIRCULATION GROUP |
| | 11 THERMOSTATIC MIXER |

SYSTEM DIAGRAM WITH PELLETT-FIRED BOILER FOR HEATING AND D.H.W. PRODUCTION WITH EXTERNAL BUFFER AND CONNECTION TO SOLAR PANELS



These schemes are purely indicative.
The thermo-hydraulic system must be built according to the regulations in force and equipped with all the control / safety accessories.



info.bioenergy@wiesbergboilers.com
www.wiesbergboilers.com | 