

# Solid fuel boilers

01.2024



**HT Heiztechnik** is a modern factory that produces boilers for burning solid fuels from **5 kW** do **7 MW** and complete container boiler rooms and other heating appliances. Production takes place in modern production facilities using high tech machinery; plasma and laser cutting machines for steel, numerically controlled press brakes and robotic welding stations. Manufactured products are characterized by very high energy efficiency, and simple, easy operation. The design office continuously modernizes and prepares for production new heating devices.

Boilers fulfill environmental protection and energy efficiency requirements for the highest, **fifth class** and **ECO DESIGN**. These features are achieved by the specific construction of the heat exchanger and extended combustion chamber of **HT Heiztechnik** boilers. Produced boilers up to 300 kW are suitable for installation in closed systems. The combustion process is controlled by modern automation, which, in addition to professional control of the combustion process in the **HT Logic III** autoregulation system, can manage the entire heat distribution system.

The company has been producing heat pumps since 2011. A series of very modern, inverter heat pumps **CALLA VERDE** with a power of 5 - 20 kW, works with the newest, ecological, **R452B** refrigerant. The use of **R452B** and modern components has resulted in heat pumps achieving very high **COP (7.3)** and **SCOP (4.65)** factors.

In March 2002 **HT Heiztechnik Sp. z o.o.** acquired a majority shareholder - the Austrian company **Hargassner GmbH** - one of the leaders in the heating industry in Europe and the world. **HT Heiztechnik** has gained a very reliable partner to implement its development plan in the production of heat pumps.

We offer you modern heating devices with capacities from 5 kW to 7 MW. Products of the **HT Heiztechnik** company are probably the widest offer of boilers in Poland and are appreciated on foreign markets.



2023, 2022, 2022, 2022, 2020, 2019, 2018, 2016



2018, 2021, 2021



2018, 2016, 2015, 2014,  
2013, 2012, 2011, 2010



Targi Expo-Kielce 2015

2015, 2016, 2017, 2018, 2019



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# ONE PLUS

8 - 20 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1188

A<sup>+</sup>



## Unit configuration

Available customization:  
boilers can be equipped with  
an upper tank increasing the  
fuel capacity

ONE PLUS with fuel tank extension



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with an automatic cleaning system.



An exhaust fan, aerating the burner, stabilizing the operation of the boiler and improving the chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



**HT-Logic III** autoregulation is individually programmed for each boiler, it automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which **reduces the amount of fuel consumed**.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPelL®** standard



The boiler is equipped with a **hydraulic module** consisting of: return protection pump, DHW pump, mixing valve pump, mixing valve with an actuator and a **safety group** consisting of a diaphragm vessel, safety valve and pressure gauge.



The boiler is protected by a return protection pump with a return temperature sensor.

CZYSZE POWIETRZE  
<20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic@ 900

BOILER CH DHW VALVE

HT-tronic@ 900 Touch

BOILER CH DHW VALVE - option

HT-tronic OPS Lambda

Combustion process optimizer with Lambda probe - basic equipment

## Expanding modules for automation

HT-tronic M-Z2

Valve module

HT-tronic M-BC

Module of buffer and circulation

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

## Additional equipment / Execution option

Extension extending the capacity of the fuel tank

Chimney connections - 120 Ø - page 29

HT SepMag | Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	8	11	15	20
Rated power	kW	8	11	15	20
Power range	kW	2,4 - 8	2,4 - 11	4,5 - 15	6 - 20
Efficiency	%	93,2	93,0	93,0	93,0
Dusts	mg/m <sup>3</sup>	18	18	18	18
Min. chimney draft	Pa	10	12	14	16
Max. work temperature	°C	85	85	85	85
Water capacity	l	54	56	83	85
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection	mm	120	120	120	120
Boiler mass	kg	270	275	370	375
Tank volume	dm <sup>3</sup>	75	75	135	135
Tank volume with extension	dm <sup>3</sup>	150	150	190	190
Boiler width	cm	57	57	70	70
Body depth	cm	73	73	78	78
Body height	cm	133	133	147	147
Body height with extension	cm	175	175	175	175
Height to chimney mid	cm	124	124	139	139



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets



# ONE PLUS BASIC

8 - 20 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1189

A<sup>+</sup>



## Unit configuration

Available customization:  
boilers can be equipped with  
an upper tank increasing the  
fuel capacity

ONE PLUS BASIC with fuel tank extension



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with a mechanical, manual cleaning system for the exchanger.



An exhaust fan, aerating the burner, stabilizing the operation of the boiler and improving the chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



**HT-Logic III** autoregulation is individually programmed for each boiler, it automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which **reduces the amount of fuel consumed**. Works with the Lambda oxygen probe in the **iPelL®** standard - optimization of the combustion process **HT-tronic OPS Lambda**.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPelL®** standard



The boiler is protected by a return protection pump with a return temperature sensor.

CZyste POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic@ 900

BOILER CH DHW VALVE

HT-tronic@ 900 Touch

BOILER CH DHW VALVE

HT-tronic OPS Lambda

Combustion process optimizer with Lambda probe - basic equipment

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HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

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HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

## Additional equipment / Execution option

Extension extending the capacity of the fuel tank

Automatic cleaning of smoke tubes

Chimney connections - 120 Ø - page 29

HT SepMag Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	8	11	15	20
Rated power	kW	8	11	15	20
Power range	kW	2,4 - 8	2,4 - 11	4,5 - 15	6 - 20
Efficiency	%	93,2	93,0	93,0	93,0
Dusts	mg/m <sup>3</sup>	18	18	18	18
Min. chimney draft	Pa	10	12	14	16
Max. work temperature	°C	85	85	85	85
Water capacity	l	54	56	83	85
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection	mm	120	120	120	120
Boiler mass	kg	250	255	350	355
Tank volume	dm <sup>3</sup>	75	75	135	135
Tank volume with extension	dm <sup>3</sup>	150	150	190	190
Boiler width	cm	57	57	70	70
Body depth	cm	73	73	78	78
Body height	cm	133	133	147	147
Body height with extension	cm	175	175	175	175
Height to chimney mid	cm	124	124	139	139



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **HT Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# DasPell NEXT

15 - 30 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1189

A<sup>+</sup>



DasPell NEXT 15 kW

## Unit configuration

Tank on the right side of the boiler.

Flue gas discharge by exhaust fan in 5 positions from horizontal at angle: 0°, 45°, 90°, 135°, 180°.



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with an automatic cleaning system.



An exhaust fan, aerating the burner, stabilizing the operation of the boiler and improving the chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



**HT-Logic III** autoregulation is individually programmed for each boiler, it automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which **reduces the amount of fuel consumed**.



Optimization of the combustion process through the oxygen Lambda probe - work in the **iPell®** standard



The boiler is equipped with a **hydraulic module** consisting of: return protection pump, DHW pump, mixing valve pump, mixing valve with an actuator and a **safety group** consisting of a diaphragm vessel, safety valve and pressure gauge.



The boiler is protected by a return protection pump with a return temperature sensor.



Flue gas exhaust in five positions from the horizontal at an angle of: 0°, 45°, 90°, 135°, 180°.

CZYSZE POWIETRZA  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic® 900

BOILER CH DHW VALVE

HT-tronic® 900 Touch

BOILER CH DHW VALVE - option

HT-tronic OPS Lambda

Combustion process optimizer with Lambda probe - basic equipment

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

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Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

## Additional equipment / Execution option

Chimney connections - 120 Ø - page 29

The automatic ash removal system

HT SepMag | Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	15	20	25	30
Rated power	kW	15	20	25	30
Power range	kW	4,5 - 15	6 - 20	7,5 - 25	9 - 30
Dusts	mg/m <sup>3</sup>	17	18	18	19
Efficiency	%	92,8	92,7	92,4	92,2
Min. chimney draft	Pa	10	12	14	16
Max. work temperature	°C	85	85	85	85
Water capacity	l	75	81	81	119
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	120	120	120	120
Boiler mass	kg	345	405	415	451
Tank volume	dm <sup>3</sup>	240	240	240	240
Width of the set	cm	85	90	90	95
Boiler width	cm	45	45	45	45
Body depth with a flue gas exhaust	cm	98	98	98	98
Body height	cm	144	144	144	144
Power spigot height	cm	122,5	122,5	122,5	122,5
Height to chimney mid.	cm	120	120	120	120
Return spigot height	cm	34,5	34,5	34,5	34,5



**recommended fuel**  
class A1 pellets

**additional fuel**  
class A2 and B pellets

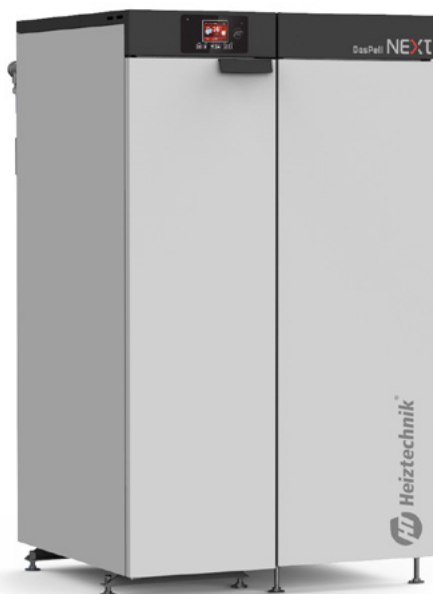
# DasPell NEXT BASIC

15 - 30 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1189

A<sup>+</sup>



## Unit configuration

Tank on the right side of the boiler.

Flue gas discharge by exhaust fan in 5 positions from horizontal at angle: 0°, 45°, 90°, 135°, 180°.



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with a mechanical, manual cleaning system for the exchanger.



An exhaust fan, aerating the burner, stabilizing the operation of the boiler and improving the chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



**HT-Logic III** autoregulation is individually programmed for each boiler, it automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which **reduces the amount of fuel consumed**.



Optimization of the combustion process through the oxygen Lambda probe - work in the **iPell®** standard



The boiler is protected by a return protection pump with a return temperature sensor.



Flue gas exhaust in five positions from the horizontal at an angle of: 0°, 45°, 90°, 135°, 180°.

CZYSŁE POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic® 900

BOILER CH DHW VALVE

HT-tronic® 900 Touch

BOILER CH DHW VALVE

HT-tronic OPS Lambda

Combustion process optimizer with Lambda probe

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

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Web module - access by web browser or mobile application

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Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

## Additional equipment / Execution option

Automatic cleaning of smoke tubes

Chimney connections - 120 Ø - page 29

The automatic ash removal system

HT SepMag Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	15	20	25	30
Rated power	kW	4,5 - 15	6 - 20	7,5 - 25	9 - 30
Power range	kW	4,5 - 15	6 - 20	7,5 - 25	9 - 30
Dusts	mg/m <sup>3</sup>	17	18	18	19
Efficiency	%	92,8	92,7	92,4	92,2
Min. chimney draft	Pa	10	12	14	16
Max. work temperature	°C	85	85	85	85
Water capacity	l	75	81	81	119
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	120	120	120	120
Boiler mass	kg	330	378	388	418
Tank volume	dm <sup>3</sup>	240	240	240	240
Width of the set	cm	85	90	90	95
Boiler width	cm	45	45	45	45
Body depth with a flue gas exhaust	cm	98	98	98	98
Body height	cm	144	144	144	144
Power spigot height	cm	122,5	122,5	122,5	122,5
Height to chimney mid.	cm	120	120	120	120
Return spigot height	cm	34,5	34,5	34,5	34,5



**recommended fuel**  
class A1 pellets

**additional fuel**  
class A2 and B pellets

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# FLAT

## 8 - 11 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1189

A<sup>+</sup>



### Unit configuration

Tank on the left side of the boiler.

Allows: exhaust gas outlet upwards, backwards and to the right, installation connection from the top or back of the boiler.



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.  
**Body depth 37 cm**



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with an automatic cleaning system.



An exhaust fan, aerating the burner, stabilizing the operation of the boiler and improving the chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



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The boiler is equipped with a **hydraulic module** consisting of: return protection pump, DHW pump, mixing valve pump, mixing valve with an actuator and a **safety group** consisting of a diaphragm vessel, safety valve and pressure gauge.



The boiler is protected by a return protection pump with a return temperature sensor.



Exhaust gas exhaust upwards, backwards or to the right

CZYSZE POWIETRZE  
**< 20mg/m<sup>3</sup>**  
INCREASED GRANT

### Control

HT-tronic® 900

BOILER CH DHW VALVE

HT-tronic® 900 Touch

BOILER CH DHW VALVE

HT-tronic OPS Lambda

Combustion process optimizer with Lambda probe

### Expanding modules for automation

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Valve module

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### Additional equipment / Execution option

Chimney connections - 120 Ø - page 29

HT SepMag Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

### Basic dimensions and specifications

Rated power	kW	8	11
Power range	kW	2,4 - 8	3,3 - 11
Dusts	mg/m <sup>3</sup>	18	15
Efficiency	%	92,6	92,9
Min. chimney draft	Pa	10	12
Max. work temperature	°C	85	85
Water capacity	l	33	33
Maximum operating pressure	Bar	2	2
Installation connection	"	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	120	120
Boiler mass	kg	236	243
Tank volume	dm <sup>3</sup>	70	70
Width of the set	cm	115	115
Boiler width	cm	45	45
Body depth with a flue gas exhaust	cm	37	37
Body height	cm	130	130
Height of hydraulic system connectors	cm	114	114
Height to chimney mid. (rear exit)	cm	113	113
height of the exhaust outlet to the top	cm	125	125



### recommended fuel

class A1 pellets

### additional fuel

class A2 and B pellets



# FLAT BASIC

8 - 11 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1188

A<sup>+</sup>



## Unit configuration

Tank on the left side of the boiler.

Allows: exhaust gas outlet upwards, backwards and to the right, installation connection from the top or back of the boiler.



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.

**Body depth 37 cm**



Vertical burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with a mechanical, manual cleaning system for the exchanger.



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Turbulators supporting heat exchange.



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- work in the **iPelL®** standard



The boiler is protected by a return protection pump with a return temperature sensor.



Exhaust gas exhaust upwards, backwards or to the right

**CZYSŁE POWIETRZE**  
**< 20mg/m<sup>3</sup>**  
**INCREASED GRANT**

## Control

HT-tronic® 900

HT-tronic® 900 Touch

HT-tronic OPS Lambda

BOILER CH DHW VALVE

BOILER CH DHW VALVE

Combustion process optimizer with Lambda probe - basic equipment

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Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

## Additional equipment / Execution option

Automatic cleaning of smoke tubes

Chimney connections - 120 Ø - page 29

HT SepMag | Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	kW	8	11
Power range	kW	2,4 - 8	3,3 - 11
Dusts	mg/m³	18	15
Efficiency	%	92,6	92,9
Min. chimney draft	Pa	10	12
Max. work temperature	°C	85	85
Water capacity	l	33	33
Maximum operating pressure	Bar	2	2
Installation connection	"	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	120	120
Boiler mass	kg	221	228
Tank volume	dm³	70	70
Width of the set	cm	115	115
Boiler width	cm	45	45
Body depth with a flue gas exhaust	cm	37	37
Body height	cm	130	130
Height of hydraulic system connectors	cm	114	114
Height to chimney mid. (rear exit)	cm	113	113
height of the exhaust outlet to the top	cm	125	125



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **HT Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# HT DasPell

12 - 60 kW

5th class  
PN EN 303 5 2012

ECO design  
Rozp. UE2015/1180

A+



## Unit configuration

Standard configuration:  
burner at front of the  
boiler, tank on the right  
side of boiler

Available customization:  
enlarged tank, tank of  
the left side of the boiler



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPell®** standard (implementation option)

CZYSZE POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

For boilers  
12, 15, 20, 24, 40 kW

## Control

HT-tronic® 900

BOILER CH DHW VALVE - basic equipment

HT-tronic® 900 Touch

BOILER CH DHW VALVE - option

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

HT-tronic OPS Lambda

Combustion process optimizer iPell with Lambda probe

## Additional equipment / Execution option

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit from the silo - pneumatic or spiral (page 29)

Optional tanks: Slim 100, BIG 400, BIG 600, BIG 1000 (page. 30)

Exit of the exhaust gases up through the flue

The automatic ash removal system

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	12	15	20	24	30	40	50	60
Rated power	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24	9 - 30	12 - 40	15 - 50	18 - 60
Power range	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24	9 - 30	12 - 40	15 - 50	18 - 60
Efficiency	%	93,1	93,1	93,0	93,0	91,5	91,5	92,6	92,6
Dusts	mg/m <sup>3</sup>	19	17	15	13	21	18	23	26
Min. chimney draft	Pa	15	15	18	18	20	22	23	25
Max. work temperature	°C	85	85	85	85	85	85	85	85
Water capacity	l	73	73	88	94	103	118	145	155
Maximum operating pressure	Bar	2	2	2	2	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1	GZ 1 ½	GZ 1 ½	GZ 1 ½	GZ 2
Chimney connection (inner diameter)	mm	150	150	150	150	150	150	200	200
Boiler mass	kg	352	355	376	398	479	530	697	756
Tank volume	dm <sup>3</sup>	300	300	300	300	300	300	400	400
Boiler width	cm	47	47	47	47	54	54	69	69
Tank width	cm	60	60	60	60	60	60	114	114
Body depth with a flue gas exhaust	cm	64	64	69	76	83	93	95	105
Length of the installed burner	cm	32	32	32	32	38	38	46	46
Body height	cm	143	143	143	143	143	143	143	143
Power spigot height	cm	128	128	128	128	129	129	129	129
Height to chimney mid.	cm	110	110	110	110	111	111	111	111
Return spigot height	cm	34	34	34	34	35	35	35	35
Body depth with gas ex. to the top	cm	77	77	82	89	95	105	111	121
Height of the flue with the ex. outlet up	cm	125	125	125	125	125	125	125	125



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets

# Q Pellet

12 - 60 kW

5th class  
PN EN 309 5 2012

ECO design  
Rozp. UE 2015/1189

A+



## Unit configuration

Standard configuration:  
burner at front of the  
boiler, tank on the right  
side of boiler

Available customization:  
universal doors R/L,  
universal tank R/L

5 years  
warranty

5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.

> 90 %

High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPel@** standard (implementation option)

CZYSZE POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

For boilers  
12, 15, 20, 24, 40 kW

## Control

HT-tronic@ 900

BOILER CH DHW VALVE - basic equipment

HT-tronic@ 900 Touch

BOILER CH DHW VALVE - option

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

HT-tronic OPS Lambda

Combustion process optimizer iPel@ with Lambda probe

## Additional equipment / Execution option

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit from the silo - pneumatic or spiral (page 29)

Optional tanks: Slim 100 for boilers with power 12 - 24 kW, BASIC 400 for boilers with power 15 - 40 kW, BIG 1000 (page 30)

Redirect exhaust gases up through the flue

Cooling coil

HT SepMag Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

		12	15	20	24	30	40	50	60
Rated power	kW	12	15	20	24	30	40	50	60
Power range	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24	9 - 30	12 - 40	15 - 50	18 - 60
Efficiency	%	93,1	93,1	93,0	93,0	91,5	91,5	92,6	92,6
Dusts	mg/m <sup>3</sup>	19	17	15	13	21	18	23	26
Min. chimney draft	Pa	15	15	18	18	20	22	23	25
Max. work temperature	°C	85	85	85	85	85	85	85	85
Water capacity	l	73	73	88	94	103	118	145	155
Maximum operating pressure	Bar	2	2	2	2	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1	GZ 1 ½	GZ 1 ½	GZ 1 ½	GZ 2
Chimney connection (inner diameter)	mm	150	150	150	150	150	150	200	200
Boiler mass	kg	334	346	360	390	463	530	687	746
Tank volume	dm <sup>3</sup>	300	300	300	300	300	300	400	400
Boiler width	cm	47	47	47	47	54	54	69	69
Tank width	cm	60	60	60	60	60	60	78	78
Body depth with a flue gas exhaust	cm	64	64	69	76	83	93	95	105
Length of the installed burner	cm	32	32	32	32	38	38	46	46
Body height	cm	135	135	135	135	143	143	143	143
Power spigot height	cm	128	128	128	128	129	129	129	129
Height to chimney mid.	cm	110	110	110	110	111	111	111	111
Return spigot height	cm	34	34	34	34	35	35	35	35



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets

# HT DasPell Lux

12 - 24 kW

5<sup>th</sup> class  
PN EN 303 5 2012

ECO design  
Rozp. UE 2016/1109

A<sup>+</sup>



## Unit configuration

Standard wykonania:  
burner and tank on the  
right side of the boiler

Available customization:  
burner and tank on the  
left side of the boiler,  
enlarged tank 400 l



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPell®** standard (implementation option)

CZYSZE POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic@ 900

BOILER CH DHW VALVE - basic equipment

HT-tronic@ 900 Touch

BOILER CH DHW VALVE - option

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

HT-tronic OPS Lambda

Combustion process optimizer iPell with Lambda probe

## Additional equipment / Execution option

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit from the silo - pneumatic or spiral (page 29)

Enlarged tank - Lux 400 l (page 30)

Burner of the left side of the boiler

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	kW	12	15	20	24
Power range	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24
Efficiency	%	93,1	93,1	93,0	93,0
Dusts	mg/m <sup>3</sup>	19	17	15	13
Min. chimney draft	Pa	15	15	18	18
Max. work temperature	°C	85	85	85	85
Water capacity	l	73	73	88	94
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	150	150	150	150
Boiler mass	kg	358	361	382	404
Boiler width	cm	47	47	47	47
Tank width	cm	60	60	60	60
Width of the enlarged tank	cm	114	114	114	114
Tank volume	dm <sup>3</sup>	190	190	190	190
Volume of the enlarged tank	dm <sup>3</sup>	400	400	400	400
Body depth with flue gas exhaust	cm	72	72	72	72
Body height	cm	151	151	151	151
Power spigot height	cm	128	128	128	128
Height to chimney mid.	cm	110	110	110	110
Return spigot height	cm	34	34	34	34



## recommended fuel

class A1 pellets

## additional fuel

class A2 and B pellets



# HT DasPell BOX

12 - 24 kW

5<sup>th</sup> class  
PN EN 303 5 2012

ECO design  
rozp. UE 2015/1189

A<sup>+</sup>



## Unit configuration

Standard configuration:  
burner and tank on the  
right side of the boiler

Available customization:  
burner and tank on the left  
side of the boiler, enlarged  
tank



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPelL**® standard (implementation option)

CZYSZE POWIETRZE  
< 20mg/m<sup>3</sup>  
INCREASED GRANT

## Control

HT-tronic® 900

BOILER CH DHW VALVE - basic equipment

HT-tronic® 900 Touch

BOILER CH DHW VALVE - option

## Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

HT-tronic OPS Lambda

Combustion process optimizer iPelL with Lambda probe

## Additional equipment / Execution option

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit from the silo - pneumatic or spiral (page 29)

Enlarged tank - universal BIG 400, BIG 600 (page 30)

Exit of the exhaust gases up through the flue

Burner of the left side of the boiler

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m<sup>3</sup>/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	kW	12	15	20	24
Power range	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24
Efficiency	%	93,1	93,1	93,0	93,0
Dusts	mg/m <sup>3</sup>	19	19	15	19
Min. chimney draft	Pa	12	15	18	18
Max. work temperature	°C	85	85	85	85
Water capacity	l	73	73	88	94
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1	GZ 1	GZ 1	GZ 1
Chimney connection (inner diameter)	mm	150	150	150	150
Boiler mass	kg	352	355	376	398
Boiler width	cm	47	47	47	47
Tank volume	dm <sup>3</sup>	190	190	190	190
Tank width	cm	60	60	60	60
Body depth with a flue gas exhaust	cm	64	64	64	64
Body height*	cm	143	143	143	143
Power spigot height*	cm	128	128	128	128
Height to chimney mid.*	cm	110	110	110	110
Return spigot height*	cm	34	34	34	34
Body depth with gas ex. to the top	cm	77	77	82	89
Height of the flue with the ex. outlet up	cm	125	125	125	125



## recommended fuel

class A1 pellets

## additional fuel

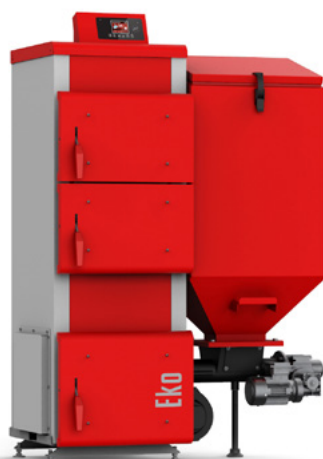
class A2 and B pellets

# Q Eko

12 - 24 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1188



## Unit configuration

Standard configuration:  
burner and tank on the  
right side of the boiler

Available customization:  
burner and tank on the  
left side of the boiler



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder 15 - 24 kW.  
Cast iron burner - standard 12 kW



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.

## Burner

Cast iron burner - standard (12 kW) - basic equipment

Cast iron burner - rotary (15 - 24 kW) - basic equipment

## Control

HT-Tronic® 700

BOILER CH DHW VALVE - basic equipment

## Expanding modules for automation

HT-tronic M-Z2

Valve module

HT-tronic M-BC

Module of buffer and circulation

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic Climate Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure

HT-tronic Temperature Senso

Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature

HT-tronic OPS Eko Lambda

Combustion process optimizer **iPel** with Eko Lambda probe

## Additional equipment / Execution option

Feeder rotation control sensor

Enlarged tank for boilers with power 15 - 24 kW

The automatic ash removal system

Cooling coil

HT SepMag | Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	12	15	20	24
Rated power	kW	12	15	20	24
Power range	kW	3,6 - 12	4,5 - 15	6 - 20	7,2 - 24
Efficiency	%	89,4	90,2	91,4	92,3
Dusts	mg/m³	24	26	30	32
Min. chimney draft	Pa	18	19	20	22
Max. work temperature	°C	85	85	85	85
Water capacity	l	48	77	91	106
Maximum operating pressure	Bar	2	2	2	2
Installation connection	"	GZ 1 ½	GZ 1 ½	GZ 1 ½	GZ 1 ½
Chimney connection (inner diameter)	mm	115 / 150	150	150	150
Boiler mass	kg	300	437	491	540
Tank volume	dm³	165	225	225	225
Volume of the enlarged tank	dm³	-	300 / 500	300 / 500	300 / 500
Width of the set	cm	103	113	113	113
Boiler width	cm	47	55	55	55
Tank width	cm	46	59	59	59
Width of the enlarged tank 300	cm	-	52	52	52
Width of the enlarged tank 500	cm	-	83	83	83
Body depth with flue gas exhaust	cm	63	70	80	90
Body height	cm	130	142	142	142
Power spigot height*	cm	124	136	136	136
Height to chimney mid.*	cm	101	118	118	118
Return spigot height	cm	24	38	38	38

## Fuel



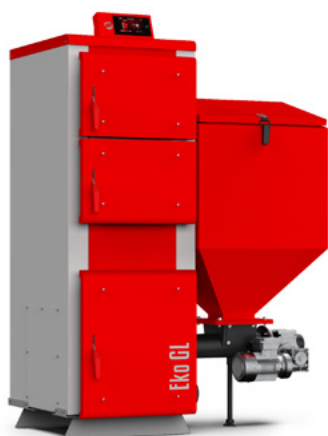
**Eco-pea coal**  
type 32.1, granulation 5-25 mm

# Q Eko GL

30 - 69 kW

5<sup>th</sup> class  
PN EN 303 S 2012

ECO design  
Rozp. UE 2015/1188



## Unit configuration

Standard configuration:  
burner and tank on the  
right side of the boiler

Available customization:  
burner and tank on the  
left side of the boiler



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.

## Burner

Cast iron burner - rotary - basic equipment

## Control

HT-Tronic® 700 - basic equipment

## Expanding modules for automation

HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Touch	Remote control panel with room thermostat  (Touchscreen, Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic Rooms Touch Wireless	Remote control panel with room thermostat  (Touchscreen, Wireless data transmission)
HT-tronic Connect	Web module - access by web browser or mobile application
HT-tronic Climate Senso	Wireless sensor for HT-tronic Rooms Touch V2, measurement of temp., air humidity and atmospheric pressure
HT-tronic Temperature Senso	Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature
HT-tronic OPS Eko Lambda	Combustion process optimizer <b>iPel</b> with Eko Lambda probe

## Additional equipment / Execution option

Feeder rotation control sensor	
Enlarged tank for boilers with power 30 - 50 kW	
Exit of the exhaust gases up through the flue	
The automatic ash removal system	
Cooling coil	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

	kW	30	40	50	60	69
Rated power	kW	9 - 30	12 - 40	15 - 50	18 - 60	20,7 - 69
Power range	kW	9 - 30	12 - 40	15 - 50	18 - 60	20,7 - 69
Efficiency	%	91,4	91,4	91,7	91,7	91,7
Dusts	mg/m³	36	37	37	38	37
Min. chimney draft	Pa	23	26	30	34	36
Max. work temperature	°C	85	85	85	85	85
Water capacity	l	140	150	160	170	180
Maximum operating pressure	Bar	2	2	2	2	2
Installation connection	"	GZ 1 ½	GZ 1 ½	GZ 1 ½	GZ 2	GZ 2
Chimney connection (inner diameter)	mm	150	150	200	200	200
Boiler mass	kg	648	683	794	931	997
Tank volume	dm³	300	300	300	775	775
Volume of the enlarged tank	dm³	500	500	500	-	-
Width of the set	cm	122	122	122	157	157
Boiler width	cm	70	70	70	70	70
Tank width	cm	52	52	52	87	87
Width of the enlarged tank	cm	83	83	83	-	-
Body depth with flue gas exhaust	cm	86	90	92	102	112
Body height*	cm	154	154	182	182	182
Power spigot height*	cm	150	150	171	171	171
Height to chimney mid.*	cm	131	131	152	152	152
Return spigot height*	cm	37	37	60	60	60
Body depth with gas ex. to the top	cm	95	100	107	116	126
Height of the flue with the ex. outlet up	cm	145	145	167	167	167

## Fuel



**Eco-pea coal**  
type 32.1, granulation 5-25 mm

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# SMART HTV

## 20 - 23 kW



**fuel**



**wood logs**

## Wood gasification boiler SMART HTV

- Nominal power: 20 i 23 kW
- Sophisticated wood gasification technology
- Easy stoking through large stoking door
- Very large combustion chamber with log length up to 53 cm (above the ignition layer max. 55 cm)
- Automatic primary and secondary air control - Lambda probe
- Efficient, fully ceramic lined combustion chamber
- Speed controlled ,energy-saving' exhaust fan
- Exhaust gas extraction function during the fuel loading process
- Patented ceramic nozzle
- Easy de-ashing into the ash pan at the bottom
- Easy to use touch display
- Very low dust emissions
- Latest combustion controller for highest efficiency and lowest emission
- Return and buffer control
- Cleaning set included



The boiler is equipped with a touch screen controller that makes it easier to control the entire combustion process. In combination with the expansion module, all heating circuits can be regulated based on the outdoor temperature.

### Control

Linux Light

⏪ BUFFER → RETURN

### Additional equipment / Execution option

I/O 36 Heating circuit and DHW module with temperature sensors ⏪ DHW ⏪ VALVE ⏪

HKM Controller of two heating circuits and DHW with sensors ⏪ DHW ⏪ VALVE ⏪ VALVE ⏪

Outdoor temperature sensor

### Basic dimensions and specifications

Rated power	kW	20	23
Power range	kW	15 - 20	15 - 23
Min. chimney draft	Pa	20	20
Chimney connection	mm	130	130
Boiler class	-	5	5
Max. temperatura pracy	°C	95	95
Water capacity	l	72	72
Maximum operating pressure	Bar	3	3
Installation connection	"	GW 1½	GW 1½
Filling chamber capacity	dm³	102	102
Filling chamber depth	mm	560	560
Boiler width	cm	68	68
Body depth	cm	103	103
Body height	cm	141	141
Boiler mass	kg	400	400

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, HT Heiztechnik reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.



# MAXPelL GL MAXPelL EVO

80 - 200 kW

240 - 450 kW



MAXPelL EVO 450 kW - NEW!



Three-pass boiler equipped with with a horizontal tubular heat exchanger with flue gas swirlers with high heat transfer efficiency.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception.



**PelHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



Boiler with power up to 300 kW is adapted for operation in closed system, in accordance with current regulations.



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.

**MAXPelL EVO**

Evolution in the combustion process. Extensive, standard equipment (including oxygen Lambda probe) **Efficiency > 93%. Dusts < 20mg/m³.**

**< 20mg/m³ DUSTS**

## Control

HT-tronic@ 900

BOILER CH DHW VALVE - basic equipment

HT-tronic@ 900 Touch

BOILER CH DHW VALVE - option

## Expanding modules for automation

HT-tronic MK

Cascade automation

HT-tronic Master

Independent automatic heating circuit

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic OPS Lambda

Combustion process optimizer iPelL with Lambda probe

## Additional equipment / Execution option

Option of execution: maximum working pressure 2.5 - 3 Bar

Boilers with a capacity of 300 - 370 kW can be equipped with two burners with automation

Enlarged or atypical tank

A common tank for handling two boilers

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit from the silo - pneumatic or spiral

The automatic ash removal system

Pneumatic system for exchanger cleaning

Pneumatic system for burner cleaning

Cooling coil for 80 - 300 kW

Extraction fan with controller

Pellet silos

## Basic dimensions and specifications

								MAXPelL EVO		
Rated power	kW	80	100	120	150	200	240	300	370	450
Power range	kW	24-80	30-100	36-120	45-150	60-200	72-240	90-300	111-370	135-450
Efficiency	%	92	92	92	92	93	93	93	93	93,5
Dusts	mg/m³	27	31	34	33	31	18	18	17	15
Min. chimney draft	Pa	27	29	32	33	34	36	38	40	42
Max. work temperature	°C	85	85	85	85	85	85	85	85	85
Water capacity	l	250	370	490	610	920	1040	1300	1570	1730
Maximum operating pressure	Bar	2	2	2	2	2	2	2	2	2
Installation connection	"	GZ 2	GZ 2 ½	GZ 2 ½	GZ 3	GZ 3	GZ 3	GZ 3	Dn100	Dn100
Chimney connection (inner diameter)	mm	200	200	200	250	300	300	300	350	400
Boiler mass	kg	1165	1385	1576	2326	2686	3048	3665	3945	4132
Tank volume	m³	1	1	1	1	1	1	1	1	1
Boiler width	cm	84	84	84	108	108	108	147	147	147
Body depth with flue gas exhaust	cm	125	150	175	191	221	239	232	242	272
Body height	cm	161	161	161	192	192	201	193	218	218
Body height - transport	cm	175	175	175	206	206	215	206	232	232
Body height with ash removal module	cm	196	196	196	227	227	232	224	244	244
Height to chimney mid.	cm	136	136	136	164	164	170	173	186	186
Height to chimney mid. with ash removal mod.	cm	171	171	171	199	199	201	198	212	212
Return spigot height	cm	30,5	30,5	30,5	35	35	37	37	37	37
Return spigot height with ash removal mod.	cm	66	66	66	70	70	62	62	62	62

## recommended fuel

class A1 pellets

## additional fuel

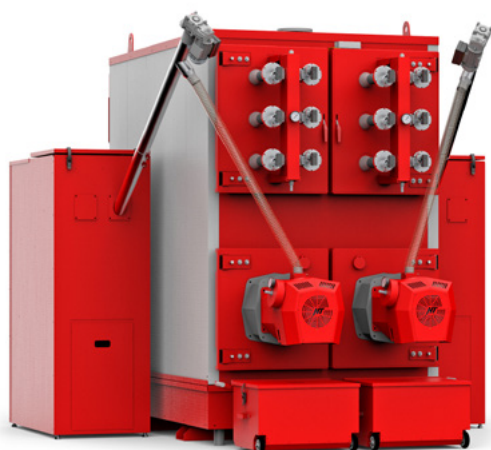
class A2 and B pellets

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **HT Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# MAXPell

550 - 1000 kW



## MAXPell 550

with pneumatic cleaning system for heat exchanger and automatic ash removal system



Three-pass boiler equipped with with a horizontal tubular heat exchanger with flue gas swirlers with high heat transfer efficiency.



High thermal efficiency due to autoregulation of the combustion process and efficient heat extraction.



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



Boiler equipped with two burners with a slag scraper and automation.



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.



Optimization of the combustion process through the oxygen Lambda probe  
- work in the **iPell®** standard (implementation option)

### Control

HT-tronic® 900

BOILER CH DHW VALVE - basic equipment

HT-tronic® 900 Touch

BOILER CH DHW VALVE - option

### Expanding modules for automation

HT-tronic MK

Cascade automation

HT-tronic Master

Independent automatic heating circuit

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Touch

Remote control panel with room thermostat (Touchscreen, Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic Rooms Touch Wireless

Remote control panel with room thermostat (Touchscreen, Wireless data transmission)

HT-tronic Connect

Web module - access by web browser or mobile application

HT-tronic OPS Lambda

Combustion process optimizer iPell with Lambda probe

### Additional equipment / Execution option

Option of execution: maximum working pressure 2.5 - 3 Bar

Enlarged or atypical tank

A common tank for handling two boilers

Pneumatic system for burner cleaning (without compressor)

Additional fuel feed unit

The automatic ash removal system

Pneumatic system for exchanger cleaning

Pneumatic system for burner cleaning

Extraction fan with controller

Pellet silos

### Basic dimensions and specifications

	kW	550	630	750	850	1000
Rated power	kW	550	630			
Power range	kW	165 - 550	189 - 630			
Min. chimney draft	Pa	44	46			
Max. work temperature	°C	85	85			
Water capacity	l	1730	2130			
Maximum operating pressure	Bar	2	2			
Installation connection	"	Dn100	Dn100			
Chimney connection (inner diameter)	mm	400	400			
Boiler mass	kg	4132	4578	Information available on request	Information available on request	Information available on request
Tank volume	m³	1	1 + 1			
Boiler width	cm	147	147			
Body depth with flue gas exhaust	cm	255	285			
Body height	cm	216	216			
Body height - transport	cm	230	230			
Body height with ash removal module	cm	251	251			
Height to chimney mid.	cm	186	186			
Height to chimney mid. with ash removal mod.		221	221			
Return spigot height	cm	35	35			
Return spigot height with ash removal mod.		70	70			

### recommended fuel

class A1 pellets

### additional fuel

class A2 and B pellets

# Q MAX EKO GL

80 - 480 kW



## Q MAX EKO GL 120

with pneumatic cleaning system for heat exchanger and automatic ash removal system



Three-pass boiler equipped with a horizontal tubular heat exchanger with flue gas swirlers supporting high heat transfer efficiency.



High thermal efficiency > 90% due to autoregulation of the combustion process and efficient heat extraction.



Cast iron burner (for boilers up to 300 kW) with integrated fuel feeder. Boilers with power from 200 to 480 kW are equipped with two burners.



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Boiler with power up to 300 kW is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 750** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module

### Control

HT-tronic® 750



### Expanding modules for automation

HT-tronic MK	Cascade automation
HT-tronic Master	Independent automatic heating circuit
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat (Wired)
HT-tronic Rooms Touch	Remote control panel with room thermostat (Touchscreen, Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat (Wireless data transmission)
HT-tronic Rooms Touch Wireless	Remote control panel with room thermostat (Touchscreen, Wireless data transmission)
HT-tronic Connect	Web module - access by web browser or mobile application
HT-tronic OPS Eko Lambda	Combustion process optimizer with Eko Lambda probe

### Additional equipment / Execution option

Feeder rotation control sensor  
 Option of execution: maximum working pressure 2.5 - 3 Bar  
 Enlarged tank  
 Automatic fuel loading system  
 The automatic ash removal system  
 Pneumatic system for exchanger cleaning  
 Cooling coil for boilers up to 300 kW  
 Extraction fan with controller

### Basic dimensions and specifications

		80	100	120	150	200	240	300	350	400	480
Rated power	kW	80	100	120	150	200	240	300	350	400	480
Power range	kW	24-80	30-100	36-120	45-150	60-200	72-240	90-300	105-350	120-400	144-480
Min. chimney draft	Pa	26	28	33	33	34	36	38	40	42	48
Max. work temperature	°C	85	85	85	85	85	85	85	85	85	85
Water capacity	l	640	680	720	920	1200	1400	1600	1900	2150	2600
Maximum operating pressure	Bar	2	2	2	2	2	2	2	2	2	2
Installation connection	"	GZ 2 ½	GZ 2 ½	GZ 2 ½	GZ 3	GZ 3	GZ 3	GZ 3	Dn100	Dn100	Dn100
Chimney connection (inner diameter)	mm	200	200	200	250	300	300	300	350	400	400
Boiler mass	kg	1465	1650	1900	2200	2700	3100	3350	4500	4900	5850
Number of feeders	-	1	1	1	1	2	2	2	2	2	2
Tank volume	m³	0,8	0,8	0,8	0,8	0,8+0,8	0,8+0,8	0,8+0,8	0,8+0,8	0,8+0,8	0,8+0,8
Width of the set	cm	174	174	174	174	216	216	216	250	250	250
Boiler width	cm	83	83	83	83	103	103	103	147	147	147
Tank width	cm	87	87	87	87	102	102	102	102	102	102
Body depth with flue gas exhaust	cm	145	170	198	238	238	268	288	282	302	342
Body height	cm	192	192	192	192	214	214	214	229	229	239
Body height - transport	cm	206	206	206	206	228	228	228	243	243	243
Body height with ash removal mod.	cm	214	214	214	214	236	236	236	251	251	261
Height to chimney mid.	cm	164	164	164	164	183	183	183	198	198	208
Height to chimney mid. with ash removal mod.	cm	186	186	186	186	205	205	205	220	220	230
Return spigot height	cm	35	35	35	35	35	35	35	35	35	35
Return spigot height with ash removal mod.	cm	57	57	57	57	57	57	57	57	57	57

### fuel



**Eco-pea coal**  
 type 32.1,  
 granulation 5-25 mm

# Q MAX EKO

520 - 950 kW



Three-pass boiler equipped with a horizontal tubular heat exchanger with flue gas swirlers supporting high heat transfer efficiency.



High thermal efficiency due to autoregulation of the combustion process and efficient heat extraction.



Cast iron burner with integrated fuel feeder.



The boiler equipped with two burners and automation.



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Weather control **HT-tronic 750** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module

## Control

HT-tronic® 750



## Expanding modules for automation

HT-tronic MK	Cascade automation
HT-tronic Master	Independent automatic heating circuit
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Touch	Remote control panel with room thermostat  (Touchscreen, Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic Rooms Touch Wireless	Remote control panel with room thermostat   (Touchscreen, Wireless data transmission)
HT-tronic Connect	Web module - access by web browser or mobile application

## Additional equipment / Execution option

Feeder rotation control sensor  
 Option of execution: maximum working pressure 2.5 - 3 Bar  
 Enlarged tank  
 Automatic fuel loading system  
 The automatic ash removal system  
 Pneumatic system for exchanger cleaning  
 Extraction fan with controller

## Podstawowe wymiary i dane techniczne

	kW	520	600	750	850	950
Rated power	kW	520	600	750	850	950
Power range	kW	150 - 520	180 - 600			
Min. chimney draft	Pa	50	52			
Max. work temperature	°C	85	85			
Water capacity	l	2150	2600			
Maximum operating pressure	Bar	85	85			
Installation connection	"	Dn100	Dn100			
Chimney connection (inner diameter)	mm	400	400			
Boiler mass	kg	5070	5850			
Number of feeders	-	2	2			
Tank volume	dm³	0,8 + 0,8	0,8 + 0,8	Information available on request	Information available on request	Information available on request
Width of the set	cm	259	259			
Boiler width	cm	147	147			
Tank width	cm	102	102			
Body depth with flue gas exhaust	cm	259	345			
Body height	cm	217	217			
Body height - transport	cm	231	231			
Body height with ash removal module	cm	239	239			
Height to chimney mid	cm	186	186			
Height to chimney mid with ash removal module	cm	208	208			
Return spigot height	cm	35	35			
Return spigot height with ash removal module	cm	57	57			

## fuel



**Eco-pea coal**  
 type 32.1,  
 granulation 5-25 mm



# MaxPell ZB GL

60 - 120 kW



**MaxPell ZB GL 120 kW**  
with pneumatic cleaning system for heat exchanger, burner and automatic ash removal system



Three-pass boiler equipped with a horizontal tubular heat exchanger with flue gas swirlers supporting high heat transfer efficiency.



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Automatic burner for **biomass** combustion with a slag scraper, equipped with a lighter and an igniter fuel feeder.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve.



Combustion process optimizer **HT tronic OPS Lambda**



The boiler is adapted for operation in closed system, in accordance with current regulations.

## Burner

Burner with automatic slag scraper - basic equipment  
Pneumatic system for burner cleaning - optional execution

## Control

HT-tronic@ 900   
HT-tronic@ 900 Touch - option  
HT-tronic OPS Lambda Combustion process optimizer with Lambda probe

## Expanding modules for automation

HT-tronic M-Z2 Valve module   
HT-tronic M-BC Module of buffer and circulation   
HT-tronic Connect Web module - access by web browser or mobile application

## Additional equipment / Execution option

Option of execution: maximum working pressure 2.5 - 3 Bar  
Additional fuel feed unit  
Spring selector  
The automatic ash removal system  
Pneumatic system for exchanger cleaning  
Pneumatic system for burner cleaning  
Cooling coil  
Enlarged tank or extension

## Basic dimensions and specifications

	kW	60	90	120
Rated power	kW	20 - 60	27 - 90	36 - 120
Power range	Pa	32	33	35
Min. chimney draft	°C	85	85	85
Max. work temperature	l	155	250	490
Water capacity	Bar	2	2	2
Maximum operating pressure	"	GZ 2	GZ 2	GZ 2 ½
Installation connection	mm	200	200	200
Chimney connection (inner diameter)	kg	510	886	1352
Boiler mass	m³	1	1	1
Tank volume	cm	69	84	84
Boiler width	cm	104	125	175
Body depth with flue gas exhaust	cm	140	149	149
Body height	cm	-	184	184
Body height with ash removal module	cm	108	122	122
Hight to chimney mid	cm	143	157	157
Hight to chimney mid with ash removal module	cm	32	30,5	30,5
Return spigot height	cm	67	66	66
Return spigot height with ash removal module				

## fuel



Woodchips

## Q PLUS AGRO

110 kW

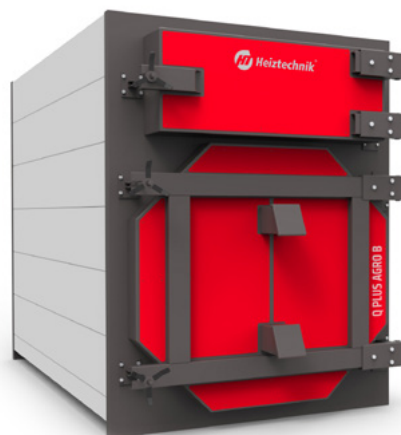


**fuel**

**Straw in cube bales  
40 x 40 x 80 cm**

## Q PLUS AGRO B

150 - 300 kW



**fuel**

**Straw in round bales  
Ø 120 x 120 cm**



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency thanks to autoregulation of the combustion process and effective heat reception.



Horizontal tubular **HEIZTECHNIK** heat exchanger with high heat exchange efficiency.



Weather control **HT-tronic 251** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module.



Modulated fan operation, increases boiler efficiency and reduces the amount of fuel consumed.



Automation controls the work of the buffer. This improves the combustion process and allows the accumulation of thermal energy.

### Control

HT-Tronic® 251



### Expanding modules for automation

HT-tronic M-Z2

Valve module

HT-tronic Connect

Web module - access by web browser or mobile application

### Additional equipment / Execution option

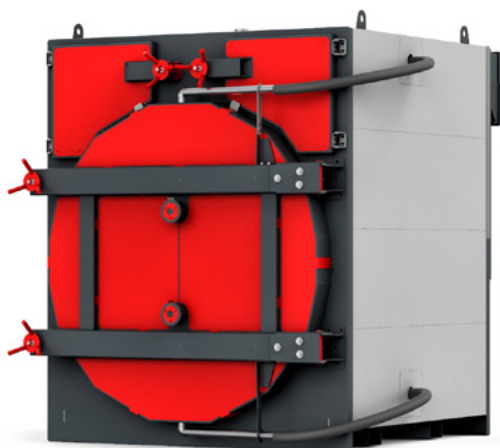
Cooling coil

Doors with a water-jacket

		Q PLUS AGRO	Q PLUS AGRO B
Rated power	kW	110	150
Min. chimney draft	Pa	30	28
Max. work temperature	°C	85	85
Water capacity	l	610	1300
Maximum operating pressure	Bar	2	2
Installation connection	"	GZ 2 ½	GZ 3
Return spigot height	cm	31	35
Chimney connection (inner diameter)	mm	250	350
Boiler mass	kg	1850	2200
Boiler width	cm	110	183
Body depth with flue gas exhaust	cm	212	216
Body height	cm	192	250
Height to chimney mid.	cm	163	201
Depth of furnace	cm	167	150
Width of furnace / Diam. of furnace	cm	90	148
Height of furnace / Diam. of furnace	cm	98	148
Height of loading opening	cm	51	-

## MAX AGRO B

300 - 600 kW



**fuel**

**Straw in round bales**  
Ø 150 x 120 cm

## AGRO XL

300 - 950 kW



**fuel**

**Straw in round bales**

AGRO XL 300 - 600 kW - Ø 120 x 120 cm  
AGRO XL 950 kW - Ø 150 x 120 cm

**2 years**  
warranty

2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency thanks to autoregulation of the combustion process and effective heat reception.



Horizontal tubular **HEIZTECHNIK** heat exchanger with high heat exchange efficiency.

**HT-tronic**  
**251**

Weather control **HT-tronic 251** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module.



Modulated fan operation, increases boiler efficiency and reduces the amount of fuel consumed.



Automation controls the work of the buffer. This improves the combustion process and allows the accumulation of thermal energy.

### Control

HT-Tronic® 251



### Expanding modules for automation

HT-tronic M-Z2

Valve module

Web module - access by web browser or mobile application

### Additional equipment / Execution option

Cooling coil

Doors with a water-jacket

		MAX AGRO B		AGRO XL		
Rated power	kW	300	600	300	600	950
Min. chimney draft	Pa	35	45	35	45	55
Max. work temperature	°C	85	85	85	85	85
Water capacity	l	2100	4800	2200	4800	8500
Maximum operating pressure	Bar	2	2	2	2	2
Installation connection	"	3	Dn 100	Dn 100	Dn 125	Dn 150
Return spigot height	cm	41	41	54	44	46
Chimney connection (inner diameter)	mm	350	500	350	500	600
Boiler mass	kg	3500	7000	4600	7900	12000
Boiler width	cm	215	220	235	235	235
Body depth with flue gas exhaust	cm	250	405	260	420	550
Body height	cm	250	285	285	315	335
Height to chimney mid.	cm	224	243	247	266	288
Depth of furnace	cm	145	295	145	292	410
Width of furnace / Diam. of furnace	cm	174	174	176	176	176
Height of furnace / Diam. of furnace	cm	174	174	175	175	175

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

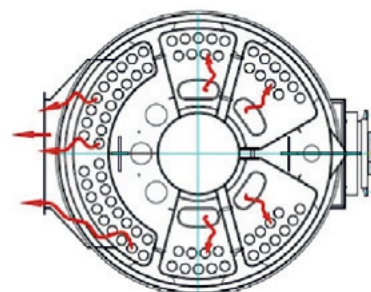
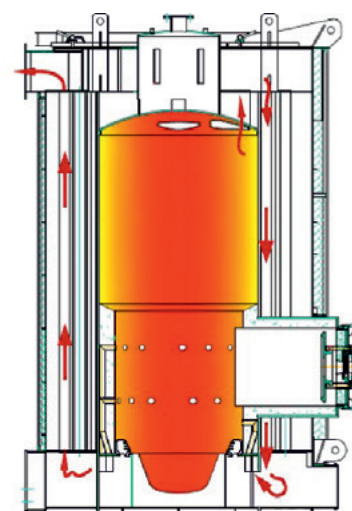
In order to improve the product, **HT Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# HT MegaBio by Ventil

580 kW - 7 MW

## Vertical three-pass boilers for automatic burning of woodchips.

- The **HT MegaBio** boiler is a result of cooperation in the production of boilers for woodchips burning by **Heiztechnik** and **Ventil**.
- The boiler is equipped with a cylindrical, made from an incombustible concrete combustion chamber. The chamber has a three-point controlled air blower divided into primary air and two secondary air streams with the possibility of automatic adjustment in connection with the lambda probe.
- The combustion chamber made of refractory concrete enables the combustion of fuels with high humidity.
- Three-pass exhaust gas circulation allowed to obtain a large heating surface of the boiler, which resulted in achieving high efficiency of heat exchange.
- The large water capacity ensures a very stable water temperature and a high level of thermal safety of the entire system.
- Construction of **HT Mega Bio** boilers, prevents deposition dust on the heating surface of the exchanger, which is significant for burning biomass.
- The boiler is controlled by a central control panel that collects information from sensors, fuel supply system, combustion system, and boiler water.
- The regulation system is available through all kinds of mobile devices and the Internet network.



### primary fuel



**Woodchips**

### alternative fuel



**Pellet**

## Basic dimensions and specifications

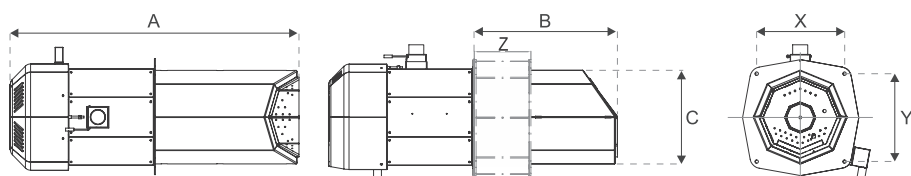
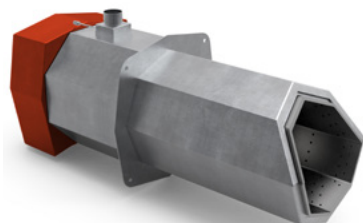
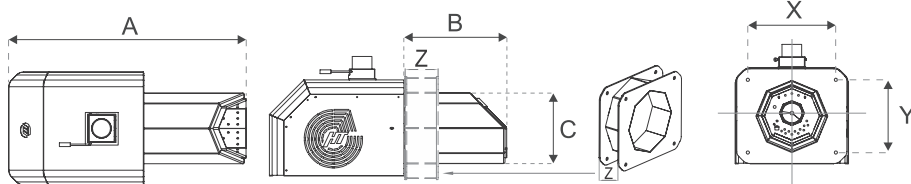
Type	-	580	750	1000	1250	1500	2000	3000	4000	5000	6500	7000
Rated power	kW	580	870	1160	1450	1750	2320	3480	4640	5800	Information available on request	
Height	cm	293	321	377	382	396	396	481	511	560		
Diameter	cm	205	210	232	240	244	258	311	340	370		
Boiler room - min. height	m	5	5	5,5	5,5	6	6	7	8	8		
Surface of heat exchanger	m <sup>2</sup>	24	35	52	65	79	112	174	230	314		
Boiler mass	kg	4200	4600	4730	7900	5200	10800	13000	29500	34500		
Water capacity	L	2000	3100	4550	5200	5600	9600	9400	13000	18000		
Maximum water temperature	°C	109	109	109	109	109	109	109	109	109		
Average thermal efficiency	%	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90		



# HT PelHard+



- A modern burner with an igniter, optical sensor and an internal feeder.
- The burner meets the requirements of the 5th class in accordance with **PN-EN 15270: 2008**. The innovative design allows for exhaust emissions compliant with the **303-5: 2012** standard (**5 th class**)
- The extensive distribution of primary and secondary air ensures the highest quality of combustion. The Omega air curtain at the end of the burner tube ensures optimal afterburning of exhaust gases (Patent Office of the Republic of Poland no. Ru 069890).
- The combustion chamber in the shape of a regular octagon with a „V” shaped floor ensures high combustion efficiency when working with a reduced load - less than 25% of the nominal power (Patent Office of the Republic of Poland No. Ru 069889).
- The **PelHard Plus** burner is equipped with a slag scraper, which is activated cyclically by the boiler automatics and prevents slag accumulation on the furnace (Patent Office of the Republic of Poland No. Ru 069889).
- The ergonomic design of the burner shortens the service time - cleaning, replacement of the igniter, replacement of sensors. The inclined position of the igniter prevents it from getting dirty and wears out prematurely.
- The HT-Logic III algorithm is individually adjusted for each boiler, which automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which reduces the **amount of fuel consumed**.



**Table of dimensions**

Burner power	14kW	20kW	28kW	35kW	45kW	55kW	70kW	90kW	135kW	170kW	230kW	280kW	350kW	450kW	550kW
A - Total length [mm]	470	480	505	600	650	670	720	750	805	865	935	1036	1155	1192	1244
B - Burner length [mm]	160	170	195	230	280	300	310	330	385	415	470	515	571	608	661
C - Burner height [mm]	133	150	170	182	194	211	219	232	279	303	325	336	370	392	445
X - Horizontal mounting distance [mm]	240	240	240	235	235	235	235	235	280	280	315	315	353	415	415
Y - Vertical mounting distance [mm]	185	185	185	209	220	220	220	220	280	280	315	315	353	415	415
Z - Length of the spacer flange [mm]	-	-	-	-	80	80	80	-	206	206	231	231	206	231	256

## Possible configurations of the pellets boilers

We present a wide range of ecological pellet boilers. Depending on needs, it is possible to select a boiler and fit it into a suitable tank. Boilers tank can be equipped with an additional unit supplying fuel from silo or warehouse.



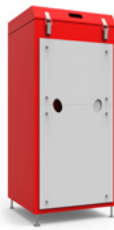
ONE PLUS upper tank extension



SLIM 100



BASIC 300 / BASIC 400



Zbiornik 300



Universal BIG 400



Universal BIG 600



BIG 1000



Burner in front  
of the tank on the right



Burner in front,  
burner on the left



Burner on the right



Burner on the left



Boiler with  
the SLIM tank



Burner in front  
of the tank on the right



Boiler with the  
BIG 400 tank



Boiler with  
the BIG 600 tank



Boiler with  
the BIG 1000 tank

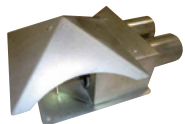


### Pellet boilers tanks

Standard equipment	Width	Depth	Height	Height with the open tank cover	Volume dm <sup>3</sup>
Standard - burner in front of boiler 12 - 37 kW	600	600	1400	1840	300
Standard - burner in front of boiler 50 - 60 kW	1140	730	1400	1950	400
Standard - burner on side of boiler 12 - 40 kW	600	600	1400	1840	185
Standard - burner on side of boiler 45 - 60 kW	1140	730	1400	1950	400
Optional tanks					
Upper extension ONE PLUS 8 - 11kW	57	52	45	-	75
Upper extension ONE PLUS 15 - 20kW	70	58	30	-	55
SLIM 100	200	600	1400	1580	100
BASIC 300	600	600	1400	-	300
BASIC 400	780	600	1400	-	400
Lux 400	1140	730	1400	1950	400
BIG 400 - Universal	1140	730	1400	1950	400
BIG 600 - Universal	1140	730	1650	2200	600
BIG 1000 - burner at front of the boiler	1200	1200	1500	2100	1000
MAX 1500 - 20000 - burner at front of the boiler	on request				

# FEEDERS FOR PELLET BOILERS - for boilers up to 100 kW

## PNEUMATIC KIT I (two-pipe system)



### Set contains:

- central unit
- internal nozzle
- antistatic pipe dn 50 - 2 pcs. x 10m
- clamps 4 pcs

## PNEUMATIC KIT II (one-pipe system)



### Set contains:

- Central unit
- case for the tank with the mechanism
- metering, antistatic pipe dn 50 - 1 pc x 15m
- clamps 2 pcs

## PNEUMATIC KIT III (one-pipe system)



### Set contains:

- central unit,
- „spider“ (crawling collector from a flat floor)
- antistatic pipe dn 50 - 1 pc x 15m
- clamps 4 pcs

### Additional elements

Dust separator (recommended for one-pipe systems)

Suction cup with a container for a container

Antistatic pipe dn50 - 1m

Telescopic base for the dispenser

Bridged base for the dispenser

Air flow regulator (recommended for single pipe systems)

Fuel tank (steel): width 120cm / depth 120cm / height 150cm - capacity - 1.5m³

## SPIRAL SET



HT-tronic Feeder

### Set contains:

- feeder pipe
- feeding spiral
- gearmotor
- automation with fuel level sensors
- HT-tronic Feeder

# CHIMNEY CONNECTIONS TO COMPACT BOILERS

Single-walled chimney connections made of 1.4404 steel, 0.8 mm thick and diameter - 120 mm, intended for the chimney connection of compact boilers.

Straight pipe 0,25m	Straight pipe 0,5m	Straight pipe 1m	45° Degree Elbow (2 Piece)	90° Degree Elbow (3 Piece)	90° Degree Elbow with a cleanout (3 Piece)
d 120 a 200 b 50	d 120 a 450 b 50	d 120 a 950 b 50	d 120 a 115 b 50	d 120 a 200 b 50	d 120 a 200 b 50

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

## BUFFER TANKS HANGING

# HT BW

40 • 60 L

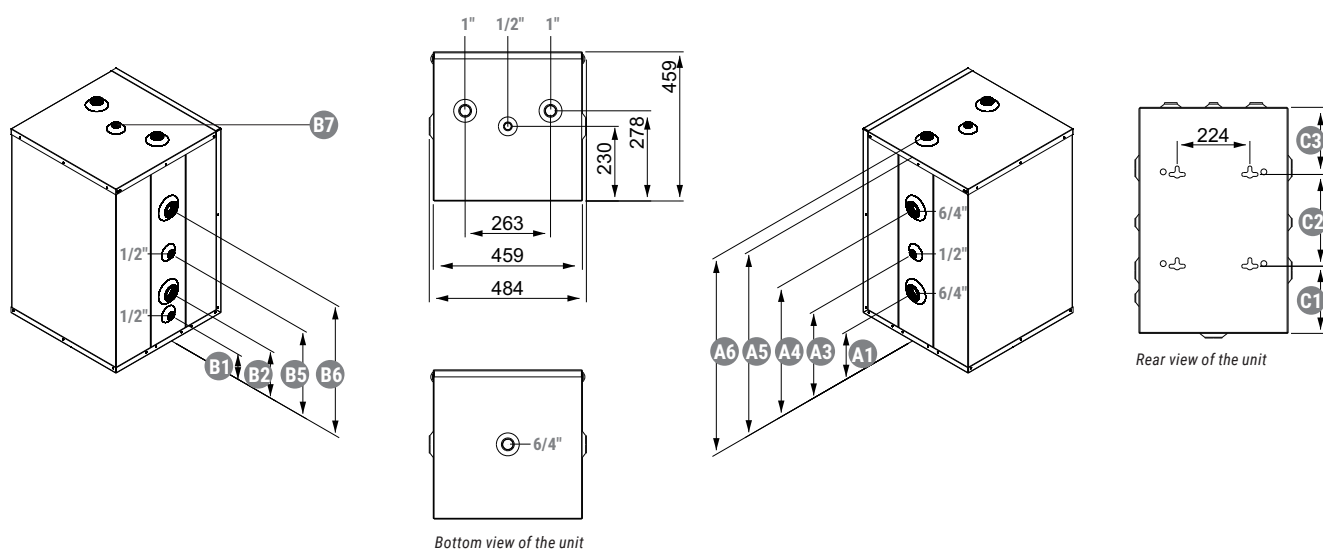
A tank designed for hot water storage

Installation of the buffer:

- vertical hanging
- horizontal hanging

Outlets to the top and left and right side of the buffer.

### HT BW 40 • 60 L



B1 - Drainage 1"

B5 - Temperature sensor connection 1/2"

B7 - Vent connection 1"

B2 - Heating circuit connector 6/4"

B6 - Heating circuit connector 6/4"

A1 - Heating circuit connector 6/4"

A4 - Heating circuit connector 6/4"

A3 - Temperature sensor connection 1/2"

A6 - Heating circuit connector 1"

### Technical data

	DIMENSIONS															
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3
CONNECTIONS (")	6/4	-	1/2	6/4	-	1	1	6/4	-	-	1/2	6/4	1	-	-	-
HT BW 40	181	-	254	334	519	536	109	181	-	-	254	334	-	177	137	207
HT BW 60	194	-	341	-	694	711	109	194	-	-	342	509	-	207	283	207

Parameter		Unit		
			HT BW 40	HT BW 60
Energy efficiency class		-	B	B
Stand-by losses		W	42	53
Storage capacity		l	40	60
Max. rated pressure		MPa(bar)	0,3 (3)	0,3 (3)
Max. buffer operating temperature		°C	90	90
Min. buffer operating temperature		°C	10	10
Weight (without water)		kg	36	45
Thickness of heat insulation		mm	40	40
Number of connections / dimension		pcs. / inch	2 x 1" + 5 x 6/4"	2 x 1" + 5 x 6/4"
Dimensions	width	mm	460	460
	depth	mm	460	460
	height	mm	641	816



# **BUFFER TANKS** **HANGING / STANDING**

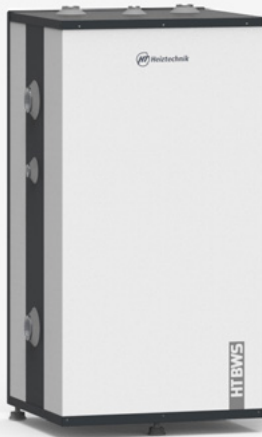
# **HT BWS**

80 • 120 • 150 L

A tank designed for hot water storage  
Installation of the buffer:

- standing
- vertical hanging
- horizontal hanging

Outlets to the top and left and right side of the buffer.



HT BWS 80

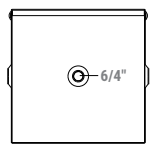
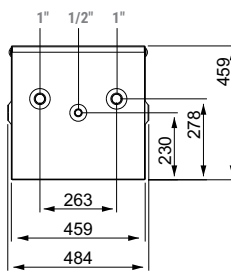
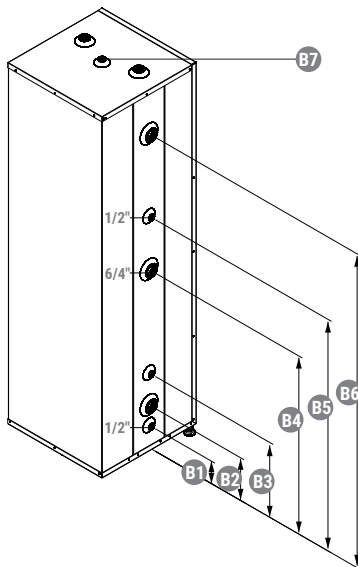


HT BWS 120

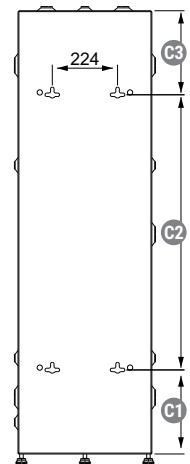
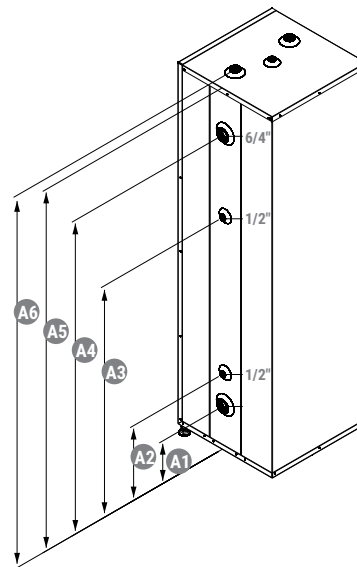


HT BWS 150

## **HT BWS 80 • 120 • 150 L**



Bottom view of the unit



Rear view of the unit

B1 - Drainage 1"

B3 - Temperature sensor connection 1/2"

B5 - Temperature sensor connection 1/2"

B7 - Vent connection 1"

B2 - Heating circuit connector 6/4"

B4 - Heating circuit connector 6/4"

B6 - Heating circuit connector 6/4"

A1 - Heating circuit connector 6/4"

A3 - Temperature sensor connection 1/2"

A6 - Heating circuit connector 1"

A2 - Temperature sensor connection 1/2"

A4 - Heating circuit connector 6/4"

## **Technical data**

	DIMENSIONS															
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3
<b>CONNECTIONS (")</b>	6/4	1/2	1/2	6/4	-	1	1	6/4	1/2	6/4	1/2	6/4	1	-	-	-
HT BWS 80	194	-	539	694	879	896	109	194	-	434	539	634	-	207	468	207
HT BWS 120	194	329	904	1059	1244	1261	109	194	329	616	807	1059	-	288	670	288
HT BWS 150	194	329	991	1334	1519	1536	109	194	329	1014	991	1334	-	288	945	288

Parameter	Unit	HT BWS 80	HT BWS 120	HT BWS 150
Energy efficiency class	-	B	B	B
Stand-by losses	W	58	60	65
Storage capacity	l	80	100	150
Max. rated pressure	MPa(bar)	0,3 (3)	0,3 (3)	0,3 (3)
Max. buffer operating temperature	°C	90	90	90
Min. buffer operating temperature	°C	10	10	10
Weight (without water)	kg	53	71	84
Thickness of heat insulation	mm	40	40	40
Number of connections / dimension	pcs. / inch	2 x 1" + 5 x 6/4"	2 x 1" + 5 x 6/4"	2 x 1" + 5 x 6/4"
Leg height	mm	35	35	35
Dimensions	width	mm	460	460
	depth	mm	460	460
	height	mm	1001	1366

## Buffer tank mounting options HT BW 40 - 60

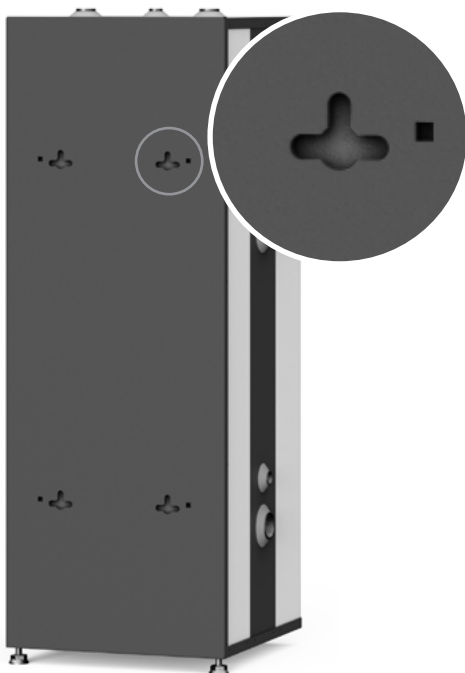


Heat pump, vertically hanging buffer



Heat pump, buffer hanging horizontally

Hanging buffer tanks HT BW 40 - 60 I can be mounted:  
vertically / horizontally



On the back of the buffer tanks there are holes that  
allow the buffers to be hung.

## Buffer tank mounting options HT BWS 80 - 150



Heat pump, standing buffer



Heat pump, vertically hanging buffer



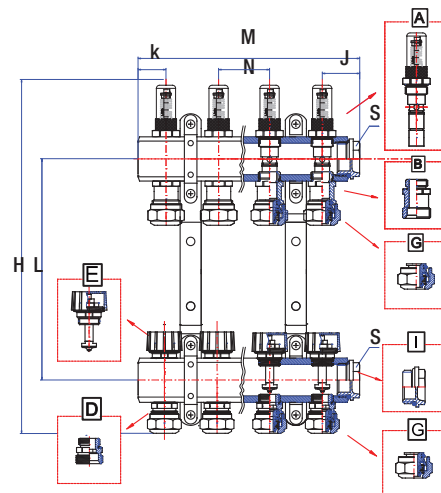
Heat pump, buffer hanging horizontally

HT BWS 80 • 120 • 150 I buffer tanks can be installed as  
standing or hanging: vertically / horizontally

## Distributor on the profile 1" for underfloor heating

### The 70E distributor includes:

- supply beam
  - A** - rotameters with maximum flow 2,4L/min
  - B** - eurocones 1/2" x 3/4" with O-ring
  - G** - clamps for the pipe pex/all/pex
- return beam
  - E** - thermostatic valves adopted to the mounting of thermic motors with M30X1,5 thread
  - D** - eurocones 1/2" x 3/4" with O-ring
  - G** - clamps for the pipe pex/all/pex
- 2 mounting fittings with shock-absorbers
- I** - 2 plugs 1" with O-ring for a key

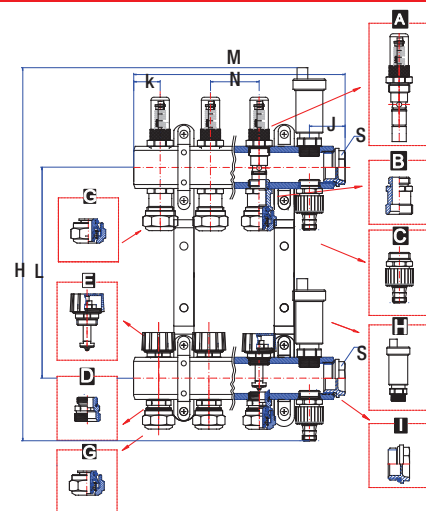


Circuits	G	L	H	M	N	K	S	J	Package	Palette	kg	Index
2	1/2"	235	338	110	50	25	30	35	1	120	2,26	CVA416
3	1/2"	235	338	160	50	25	30	35	1	120	3,08	CVA417
4	1/2"	235	338	210	50	25	30	35	1	120	3,90	CVA418
5	1/2"	235	338	260	50	25	30	35	1	72	4,72	CVA419
6	1/2"	235	338	310	50	25	30	35	1	72	5,54	CVA420
7	1/2"	235	338	360	50	25	30	35	1	72	6,37	CVA421
8	1/2"	235	338	410	50	25	30	35	1	48	7,19	CVA422
9	1/2"	235	338	460	50	25	30	35	1	48	8,01	CVA423
10	1/2"	235	338	510	50	25	30	35	1	48	8,83	CVA424
11	1/2"	235	338	560	50	25	30	35	1	36	9,65	CVA425
12	1/2"	235	338	610	50	25	30	35	1	36	10,48	CVA426
13	1/2"	235	338	660	50	25	30	35	1	36	11,30	CVA427
14	1/2"	235	338	710	50	25	30	35	1	36	12,12	CVA428
15	1/2"	235	338	760	50	25	30	35	1	36	12,94	CVA429

## Distributor on the profile 1" for underfloor heating with venting and filling valves

### The 71E distributor includes:

- supply beam with additional section
  - C** - drain valves for hose
  - H** - automatic air vent with stop valve
  - A** - rotameters with maximum flow 2,4L/min
  - B** - eurocones 1/2" x 3/4" with O-ring
  - G** - clamps for the pipe pex/all/pex
- return beam with additional section
  - C** - drain valves for hose
  - H** - automatic air vent with stop valve
  - E** - thermostatic valves adopted to the mounting of thermic motors with M30X1,5 thread
  - D** - eurocones 1/2" x 3/4" with O-ring
  - G** - clamps for the pipe pex/all/pex
- 2 mounting fittings with shock-absorbers
- I** - 2 plugs 1" with O-ring for a key



Circuits	G	L	H	M	N	K	S	J	Package	Palette	kg	Index
2	1/2"	235	400	160	50	25	30	35	1	120	3,13	CVA402
3	1/2"	235	400	210	50	25	30	35	1	120	3,96	CVA403
4	1/2"	235	400	260	50	25	30	35	1	120	4,78	CVA404
5	1/2"	235	400	310	50	25	30	35	1	72	5,60	CVA405
6	1/2"	235	400	360	50	25	30	35	1	72	6,42	CVA406
7	1/2"	235	400	410	50	25	30	35	1	72	7,24	CVA407
8	1/2"	235	400	460	50	25	30	35	1	48	8,07	CVA408
9	1/2"	235	400	510	50	25	30	35	1	48	8,89	CVA409
10	1/2"	235	400	560	50	25	30	35	1	48	9,71	CVA410
11	1/2"	235	400	610	50	25	30	35	1	36	10,53	CVA411
12	1/2"	235	400	660	50	25	30	35	1	36	11,35	CVA412
13	1/2"	235	400	710	50	25	30	35	1	36	12,18	CVA413
14	1/2"	235	400	760	50	25	30	35	1	36	13,00	CVA414
15	1/2"	235	400	810	50	25	30	35	1	36	13,82	CVA415

# CONTROL

## HT-tronic 700 / 900



- Controller **HT-tronic 700** is designed to control the combustion process in an automatic coal boiler.
- Controller **HT-tronic 900** is designed for comprehensive control of a boiler with a pellet burner.
- The automation is individually programmed for each type of boiler and its power
- The use of the innovative **HT Logic III** control algorithm allows for automatic selection of boiler operating parameters in a wide power range using the modulation function.
- Automation continuously controls the boiler operation and heating installation. Operating parameters are presented on a readable display. The device has been equipped with a boiler pump control function to protect the boiler from returning to the cold water boiler from the installation, it is equipped with the function of preparing hot utility water (HUW) in the SUMMER, WINTER mode with the possibility of switching the modes of operation in an AUTOMATIC mode. Controls the operation of the central heating pump with the option of connecting a room thermostat. It has the ability to control the operation of the actuator and mixing valve pump in cooperation with the valve's room thermostat. Controls the fuel level in the container and allows you to connect an additional room device.
- The controller has a large color and legible LCD display with an intuitive interface.
- It is possible to connect the controller to the internet using the **HT tronic Connect** module.

## HT-tronic 700 / 900 Touch



- HT-tronic 700/900 Touch controller is equipped with a 5 " touch, color LCD display with an intuitive user interface, which provide easy operation of the boiler and the heating installation.

## HT-tronic Connect



- Device can be additionally equipped with the HT tronic Connect internet module.
- The internet module enables remote operation and control of the boiler and heating system.
- The legible interface ensures intuitive operation via a computer and smartphone with the system Android and iOS

## REMOTE CONTROL PANELS WITH ROOM THERMOSTAT

### HT-tronic Rooms



- Boiler remote control panel with a room thermostat
- The device functions as a remote panel, enabling management of the boiler temperature, DHW, buffer and mixing systems. Informs about the boiler operation and the amount of fuel in the tank. It allows you to stop and start the boiler operation.
- It has a number of functionalities that allow you to set and control the temperature in a selected room.
- To increase the user's comfort, it is possible to choose one of several management modes, such as: CONSTANT, HOLIDAY, ECONOMIC, AIRING AND TIME ZONES, which automatically adjust the temperature to the individual needs of residents.

### HT-tronic Rooms Touch



- The HT tronic Rooms Touch remote control panel is equipped with a 5-inch touch screen. The modern device is designed for comprehensive boiler and thermal energy management in the apartment.
- The device acts as a boiler remote control panel and enables management of the boiler temperature, hot water, buffer and mixing valves. Informs about the amount of fuel in the tank and the operation of the device.
- It allows you to stop and start the boiler operation.
- In addition to standard temperature sensors, there are humidity level sensors, a barometer and a light intensity sensor. Smooth operation, stability and full integration with external wireless temperature sensors guarantee that the room panel is a complete device for monitoring the heat in the apartment.
- To increase the user's comfort, it is possible to choose one of several management modes, such as: CONSTANT, HOLIDAY, ECONOMIC, AIRING and TIME ZONES, which automatically adjust the temperature to the individual needs of residents.





### **HT-tronic Rooms Wireless**

- Boiler remote control panel with room thermostat - wireless.
- Serves as a panel for remote control of the boiler and installation.
- Room thermostat with a weekly program.
- Enables management of the boiler temperature, DHW, buffer operation and mixing valves.
- Informs about the amount of fuel in the tank and irregularities in the combustion process.
- Enables changing the basic operation parameters of the heating system.
- In case of pellet boilers it allows to stop and start the boiler.
- The HT-tronic Rooms is a wired device.
- HT-tronic Rooms Wireless is a wireless version of HT-tronic Rooms. (wireless data transmission). Power supply 230V.



### **HT-tronic Climate Senso**

- The HT-tronic Climate Senso device is a wireless ambient sensor intended for integration with devices from the HT-tronic rooms line.
- The sensor can be configured as a virtual room thermostat. It enables independent control of an additional heating circuit.
- The sensor collects readings of the current temperature, humidity and pressure, and transmits them via radio waves to the room panel.
- The device is powered by two AAA batteries and has a measuring range from -50° C to 70 ° C for temperature, from 900hPa to 1200hPa for a pressure, and from 0% to 100% for humidity.



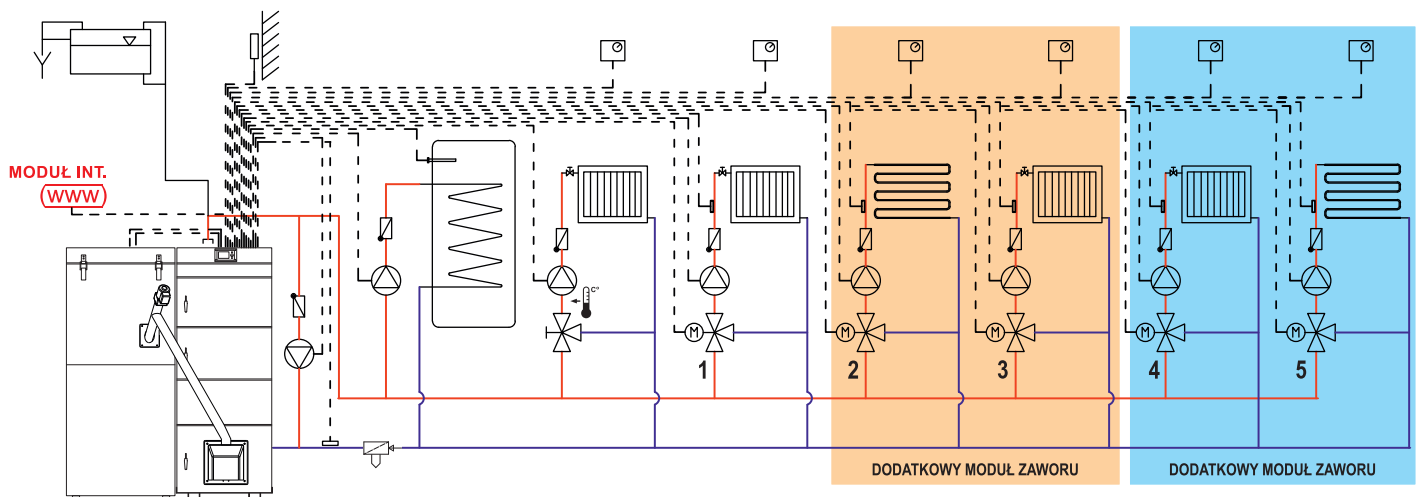
### **HT-tronic Temperature Senso**

- The HT-tronic Temperature Senso device is a wireless temperature sensor, intended for integration with devices from the HT-tronic rooms line.
- The sensor can be configured as a virtual room thermostat. It enables independent control of an additional heating circuit.
- The sensor collects readings of the current temperature and transmits them via radio waves to the room panel.
- The device is powered by two AAA batteries and has a measuring range -50° C to 70° C with an accuracy of +/- 1° C.



## Customization options

1. Boilers can be equipped with a cooling coil.
2. Feeder boilers can be equipped with an automatic ashing removal system.
3. Feeder boilers and pellet boilers can be equipped with an enlarged fuel tank.
4. Feeder boilers can be equipped with HT-tronic OPS Eko Lambda module (Combustion optimizer process).
5. Pellet boilers can be equipped with the HT-tronic OPS Lambda (Lambda probe).
6. Pellet boilers can be equipped with pneumatic or spiral fuel feeders
7. Pellet Burners can be equipped with the pneumatic cleaning system



Scheme of HT-tronic 700/900 lub HT-tronic 700/900 Touch with two valve modules

## LEGEND

	boiler pump (introduced successively)		thermostat line / room thermostat
	boiler pump (central heating)		control of additional fuel feeder
	domestic hot water pump		HT Logic III - boiler operation in mode
	domestic hot water pump		modulating boiler operation
	circulation circuit pump		internet module
	buffer pump		color display
	mixing valve actuator control		touchscreen color display
	dirt separator with magnetizer		5-year warranty on the tightness of the exchanger - in accordance with the conditions contained in the warranty card
	valve actuator control in weather mode		energy class

**Heiztechnik** does not guarantee that the specifications provided will be faultless.



# Heiztechnik®



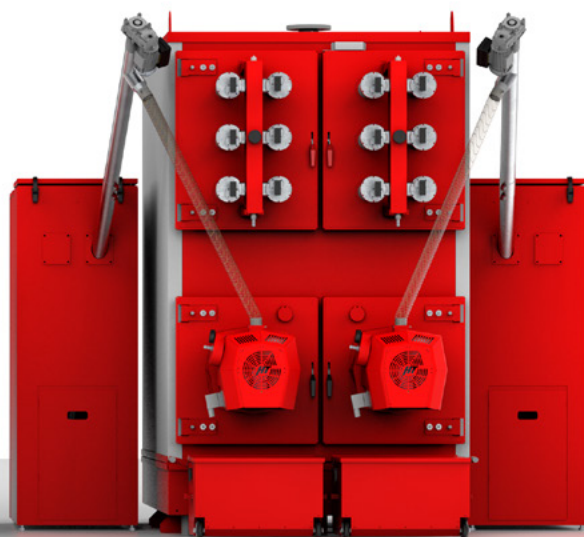
**Ecology** is not a trend.  
It is a **lifestyle!**



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