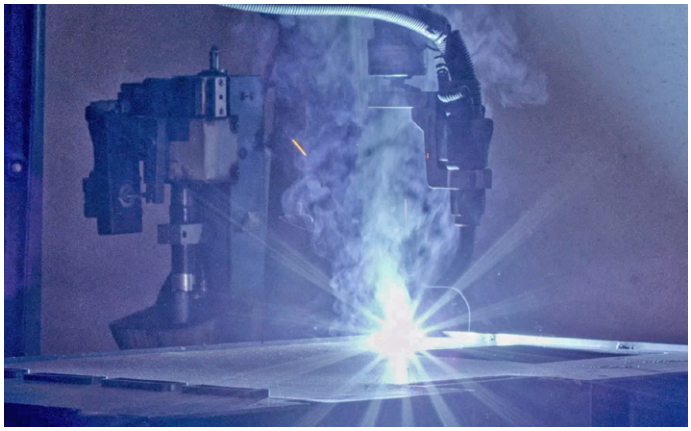
Heiztechnik®

CATALOGUE

04.2022

PELLET BOILERS

Heiztechnik®



Production Company ***Heiztechnik*** is a modern factory that produces boilers for burning solid fuels from ***3,9 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.

The success of the company is the creation of a series of **GreenLine** boilers. Boilers fulfill environmental protection and energy efficiency requirements for the highest, **fifth class** and **ECO DESIGN**. These features are acheived by the specyfic construction of the heat exchanger and extended combustion chamber of ***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. We offer you modern heating devices with capacities from 3,9 kW to 7 MW. Products of the ***Heiztechnik*** company are probably the widest offer of boilers in Poland and are appreciated on foreign markets.

ZŁOTY MEDAL 2022 · ZŁOTY MEDAL 2020 · ZŁOTY MEDAL 2019 · ZŁOTY MEDAL 2018 · ZŁOTY MEDAL 2016

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

5 klasa PN-EN 303-5:2012

ECO design Rozp. UE 2015/1188

Bundesamt für Wirtschaft und Ausfuhrkontrolle

TÜVRheinland® CERTIFIED

ISO 3834:2006 Management System

www.tuv.com ID 9105085778

TARGI KIELCE · KIELCE TRADE FAIRS

GAZELE BIZNESU 2018 · Puls Biznesu

19. EDYCJA RANKINGU NAJBARDZIEJ DYNAMICZNYCH MAŁYCH I ŚREDNICH FIRM

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

ZŁOTA SIÓDEMKA branży budowlanej 2019

EKOLAURY Polskiej Izby Ekologii

POLSKA IZBA EKOLOGII

Table of Contents

PELLET BOILERS

COMMERCIAL BOILERS

PELLET

WOODCHIPS / BIOMASS

FEEDERS / TANKS / BURNERS

ONE PLUS

8 - 20 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189 | A+

ONE PLUS with fuel tank extension

Unit configuration

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

gwarancja 5 lat — 5-year warranty on the tightness of the exchanger.

Compact design ensuring minimum boiler dimensions.

A vertical tubular heat exchanger with an automatic cleaning system.

Turbulators supporting heat exchange.

HT-tronic 900 — 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 — **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.

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

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

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

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

CZYSTE POWIETRZE
< 20mg/m³
INCREASED GRANT

Control	
HT-tronic® 900	BOILER CH HDW VALVE
HT-tronic® 900 Touch	BOILER CH HDW VALVE - option
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
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 31	
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	15	20
Power range	kW	2,4 - 8	2,4 - 11	4,5 - 15	6 - 20
Efficiency	%	93	93	93	93
Dusts	mg/m³	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	dm³	75	75	135	135
Tank volume with extension	dm³	150	150	190	190
Boiler width	cm	57	57	70	70
Body depth	cm	73	73	78	78
Body hight	cm	133	133	147	147
Body hight with extension	cm	175	175	175	175
Hight to chimney mid	cm	124	124	139	139

recommended fuel
pellet klasy A1

additional fuel
pellet klasy A2 i B

Catalog card

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.

ONE PLUS BASIC

8 - 20 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1188 | A+

Unit configuration

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

ONE PLUS BASIC with fuel tank extension

gwarancja 5lat — 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.

HT-tronic 900 — 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 — **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/m³
INCREASED GRANT

Control	
HT-tronic® 900	BOILER CH HDW VALVE
HT-tronic® 900 Touch	BOILER CH HDW VALVE - option
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Additional equipment / Execution option	
Extension extending the capacity of the fuel tank	
Automatic cleaning of smoke tubes	
Chimney connections - 120 Ø - page 31	
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	15	20
Power range	kW	2,4 - 8	2,4 - 11	4,5 - 15	6 - 20
Efficiency	%	93	93	93	93
Dusts	mg/m³	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	dm³	75	75	135	135
Tank volume with extension	dm³	150	150	190	190
Boiler width	cm	57	57	70	70
Body depth	cm	73	73	78	78
Body hight	cm	133	133	147	147
Body hight with extension	cm	175	175	175	175
Hight to chimney mid	cm	124	124	139	139

recommended fuel
pellet klasy A1

additional fuel
pellet klasy A2 i B

Catalog card

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DasPell NEXT

15 - 30 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189 | A+

Unit configuration

Standard 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°.

gwarancja 5lat — 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.

HT-tronic 900 — 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.**

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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°.

CZYSTE POWIETRZE < 20mg/m³ INCREASED GRANT

Control	
HT-tronic® 900	BOILER CH HDW VALVE
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
HT-tronic Rooms	Remote control panel with room thermostat (Wired)
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HT-tronic Temperature Senso	Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature
Additional equipment / Execution option	
Chimney connections - 120 Ø - page 31	
The automatic ash removal system	
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	15	20	25	30
Power range	kW	4,5 - 15	6 - 20	7,5 - 25	9 - 30
Efficiency	%	17	18	18	19
Dusts	mg/m³	93	93	92	92
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	dm³	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 hight	cm	144	144	144	144
Power spigot height	cm	122,5	122,5	122,5	122,5
Hight to chimney mid.	cm	120	120	120	120
Return spigot height	cm	34,5	34,5	34,5	34,5

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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DasPell NEXT BASIC

15 - 30 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1188 | A+

Unit configuration

Standard 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°.

gwarancja 5lat — 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.

HT-tronic 900 — 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 — **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°.

CZYSTE POWIETRZE < 20mg/m³ INCREASED GRANT

Control	
HT-tronic® 900	BOILER CH HDW VALVE
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
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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 31	
The automatic ash removal system	
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	15	20	25	30
Power range	kW	4,5 - 15	6 - 20	7,5 - 25	9 - 30
Efficiency	%	17	18	18	19
Dusts	mg/m³	93	93	92	92
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	dm³	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 hight	cm	144	144	144	144
Power spigot height	cm	122,5	122,5	122,5	122,5
Hight to chimney mid.	cm	120	120	120	120
Return spigot height	cm	34,5	34,5	34,5	34,5

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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FLAT

8 - 12 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1188 | A+

gwarancja 5lat — 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.

HT-tronic 900 — 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.**

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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.

Exhaust gas exhaust upwards, backwards or to the right

CZYSTE POWIETRZE
< 20mg/m³
INCREASED GRANT

Unit configuration

Standard 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.

Control	
HT-tronic® 900	BOILER CH HDW VALVE
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
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HT-tronic Temperature Senso	Wireless sensor for HT-tronic Rooms Touch V2, measurement of temperature
Additional equipment / Execution option	
Chimney connections - 120 Ø - page 31	
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
Efficiency	%	18	15
Dusts	mg/m³	93	93
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	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 hight	cm	130	130
Height of hydraulic system connectors	cm	114	114
Hight to chimney mid. (rear exit)	cm	113	113
height of the exhaust outlet to the top	cm	125	125

recommended fuel
pellet klasy A1

additional fuel
pellet klasy A2 i B

Catalog card

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FLAT BASIC

8 - 12 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1188 | A+

Unit configuration

Standard 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.

gwarancja 5lat — 5-year warranty on the tightness of the exchanger.

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

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

Turbulators supporting heat exchange.

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

CZYSTE POWIETRZE < 20mg/m³ INCREASED GRANT

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

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

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

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

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

Exhaust gas exhaust upwards, backwards or to the right

Control	
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Additional equipment / Execution option	
Automatic cleaning of smoke tubes	
Chimney connections - 120 Ø - page 31	
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
Efficiency	%	18	15
Dusts	mg/m³	93	93
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 hight	cm	130	130
Height of hydraulic system connectors	cm	114	114
Hight to chimney mid. (rear exit)	cm	113	113
height of the exhaust outlet to the top	cm	125	125

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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

12 - 24 kW | **30 - 60 kW**

5klasa PN-EN 303-5:2012 | 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: enlarged tank, tank of the left side of the boiler

gwarancja 5lat — 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.

Bar — 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.

HT-tronic 900 — 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 **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.

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

CZYSTE POWIETRZE < 20mg/m³ INCREASED GRANT

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

Control	
HT-tronic® 900	KOTŁA CO CWU ZAW - basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
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 m³/h for a pressure drop of 6 kPa

Basic dimensions and specifications		**HT DasPell**				**HT DasPell GL**			
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	93	93	93	92	92	92	93
Dusts	mg/m³	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	dm³	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 hight	cm	143	143	143	143	143	143	143	143
Power spigot height	cm	128	128	128	128	129	129	129	129
Hight 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

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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.

Q Pellet

12 - 24 kW

Q Pellet GL

30 - 60 kW

5klasa PN-EN 303-5:2012 | 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

gwarancja 5 lat — 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.

Bar — 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.

HT-tronic 900 — 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 **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.

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

CZYSTE POWIETRZE
< 20mg/m³
INCREASED GRANT

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

Control	
HT-tronic® 900	KOTŁA CO CWU ZAW - basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
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: BASIC 400 for boilers 15 - 37 kW, BIG 1000 (page 30)	
Redirect exhaust gases up through the flue	
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		**Q Pellet**				**Q Pellet GL**			
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	93	93	93	92	92	92	93
Dusts	mg/m³	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	dm³	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 hight	cm	135	135	135	135	143	143	143	143
Power spigot height	cm	128	128	128	128	129	129	129	129
Hight 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
pellet klasy A1

additional fuel
pellet klasy A2 i B

Catalog card

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HT DasPell Lux

12 - 20 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189 | A+

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

gwarancja 5 lat — 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.

Bar — 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.

HT-tronic 900 — 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 **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.

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

CZYSTE POWIETRZE < 20mg/m³ INCREASED GRANT

Control	
HT-tronic® 900	KOTŁA CO CWU ZAW - basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
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 m³/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	93	93	93
Dusts	mg/m³	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	dm³	190	190	190	190
Volume of the enlarged tank	dm³	400	400	400	400
Body depth with flue gas exhaust	cm	72	72	72	72
Body hight	cm	151	151	151	151
Power spigot height	cm	128	128	128	128
Hight to chimney mid.	cm	110	110	110	110
Return spigot height	cm	34	34	34	34

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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HT DasPell BOX

12 - 20 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189 | A+

Unit configuration

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

gwarancja 5 lat — 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.

Bar — 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.

HT-tronic 900 — 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 **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)

CZYSTE POWIETRZE
< 20mg/m³
INCREASED GRANT

Control	
HT-tronic® 900	KOTŁA CO CWU ZAW — basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW — option
Expanding modules for automation	
HT-tronic M-Z2	Valve module ZAW ZAW
HT-tronic M-BC	Module of buffer and circulation BUFORA CYRKUL
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 m³/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	93	93	93
Dusts	mg/m³	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	dm³	190	190	190	190
Tank width	cm	60	60	60	60
Body depth with a flue gas exhaust	cm	64	64	64	64
Body hight*	cm	143	143	143	143
Power spigot height*	cm	128	128	128	128
Hight 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
pellet klasy A1

additional fuel
pellet klasy A2 i B

Catalog card

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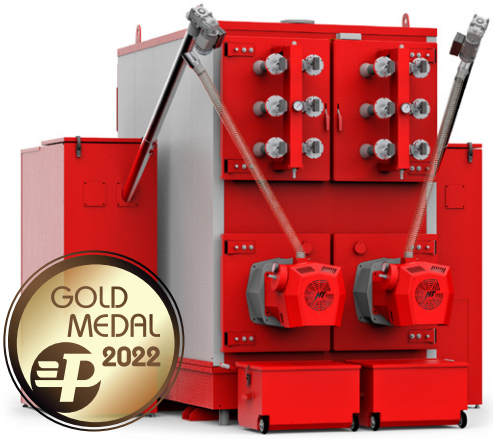
MAXPell GL MAXPell EVO

80 - 370 kW | **450 kW**

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189



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.

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 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 <20mg3.**

< 20mg/m³ DUSTS

Control	
HT-tronic® 900	KOTŁA CO CWU ZAW - basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - 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 controler
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	92	92	93
Dusts	mg/m³	27	31	34	33	31	30	30	31	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	232	225	240	255
Body hight	cm	161	161	161	192	192	209	216	216	216
Body hight - transport	cm	175	175	175	206	206	223	230	230	230
Height of the ash removal module	cm	35	35	35	35	35	35	35	35	35
Hight to chimney mid.	cm	136	136	136	164	164	178	186	186	186
Return spigot height	cm	30,5	30,5	30,5	35	35	35	35	35	35

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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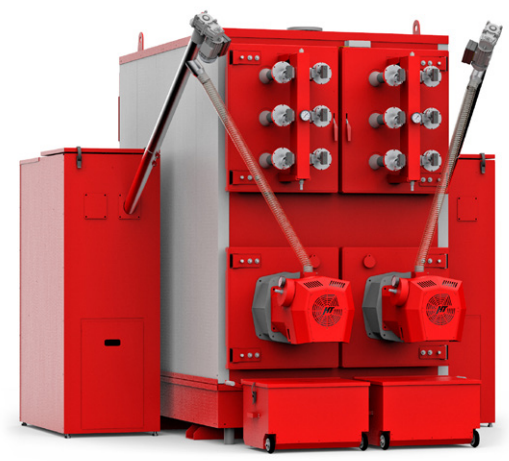
MAXPell

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	KOTŁA CO CWU ZAW - basic equipment
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - 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 controler
Pellet silos

Basic dimensions and specifications						
Rated power	kW	550	630	750	850	1000
Power range	kW	165 - 550	189 - 630			
Min. chimney draft	Pa	27	28			
Max. work temperature	°C	85	85			
Water capacity	l	2130	2600			
Maximum operating pressure	Bar	2	2			
Installation connection	"	Dn100	Dn100			
Chimney connection (inner diameter)	mm	400	400			
Boiler mass	kg	4578	5006	Information available on request	Information available on request	Information available on request
Tank volume	m^3	1 + 1	1 + 1			
Boiler width	cm	147	147			
Body depth with flue gas exhaust	cm	285	325			
Body hight	cm	216	216			
Body hight - transport	cm	230	230			
Height of the ash removal module	cm	35	35			
Hight to chimney mid.	cm	186	186			
Return spigot height	cm	35	35			

recommended fuel

pellet klasy A1

additional fuel

pellet klasy A2 i B

Catalog card

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MaxPell ZB GL

60 - 120 kW

5klasa PN-EN 303-5:2012 | ECO design Rozp. UE 2015/1189

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.

gwarancja 2lata — 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.

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

Combustion process optimizer ***HT tronic OPS Lambda***

Bar — 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	KOTŁA CO CWU ZAW
HT-tronic® 900 Touch	KOTŁA CO CWU ZAW - option
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
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				
Rated power	kW	60	90	120
Power range	kW	20 - 60	27 - 90	36 - 120
Min. chimney draft	Pa	32	33	35
Max. work temperature	°C	85	85	85
Water capacity	l	155	250	490
Maximum operating pressure	Bar	2	2	2
Installation connection	"	GZ 2	GZ 2	GZ 2 ½
Chimney connection (inner diameter)	mm	200	200	200
Boiler mass	kg	510	886	1352
Tank volume	m^3	1	1	1
Boiler width	cm	69	84	84
Body depth with flue gas exhaust	cm	104	125	175
Body hight	cm	140	149	149
Height of the ash removal module	cm	-	35	35
Hight to chimney mid	cm	108	122	122
Return spigot height	cm	32	30,5	30,5

fuel

Woodchips

Catalog card

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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 - 1.5m^3

SPIRAL SET

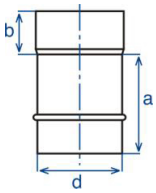
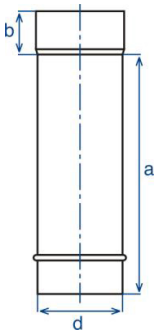
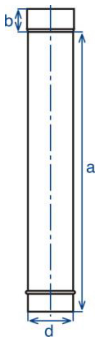
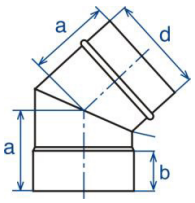
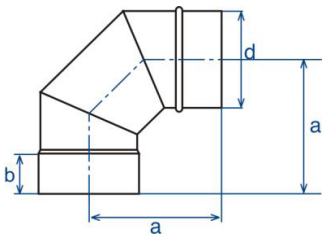
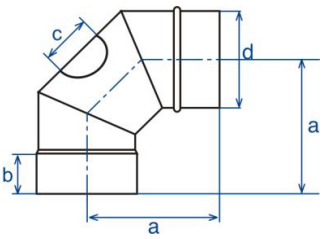
HT-tronic Feeder

Set contains:

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

CHIMNEY CONNECTIONS TO BOILERS ONE PLUS

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

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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.


BASIC 300


SLIM 100


BASIC 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

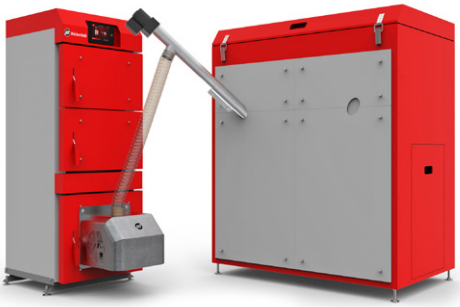

Boiler with
the SLIM tank


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^3
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					
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				

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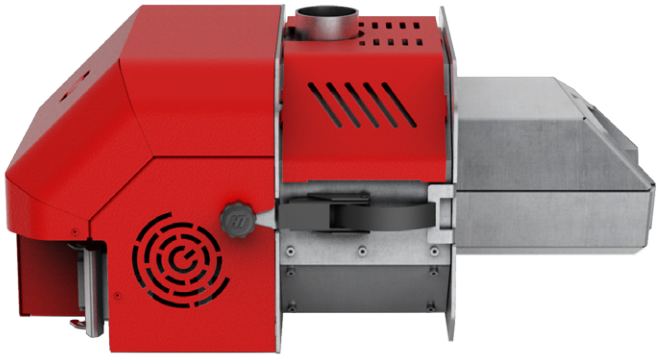
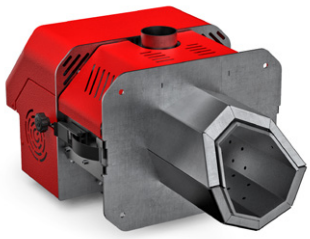
PELLET BURNERS

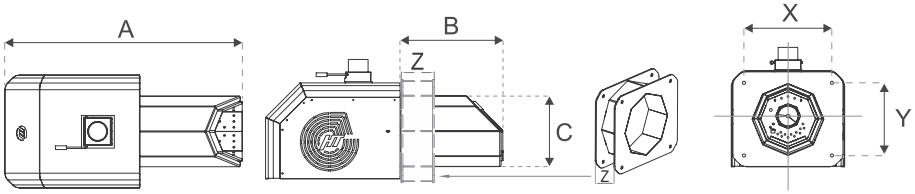
5 klasa PN-EN 15270:2008

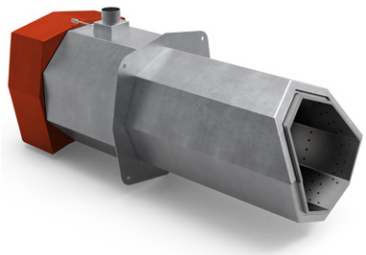
HT PellHard+



- 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 **PellHard 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.**







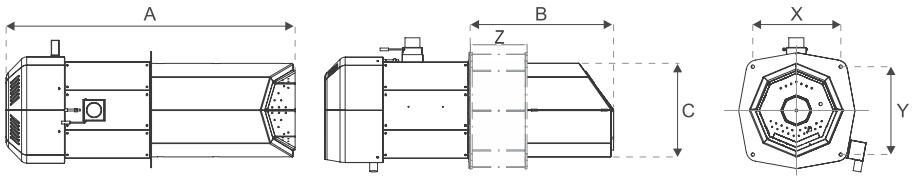


Table of dimensions															
Burner power	14kW	20kW	28kW	35kW	45kW	55kW	70kW	90kW	135kW	170kW	230kW	280kW	350kW	450kW	550kW
A - Total length [mm]	470	480	505	600	650	670	720	750	805	865	935	1036	1155	1192	1244
B - Burner length [mm]	160	170	195	230	280	300	310	330	385	415	470	515	571	608	661
C - 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

STEROWANIE

HT-tronic 700 / 900

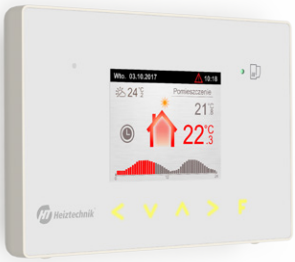
- Controller ***HT-tronic 700*** is designed to control the combustion process in an automatic coal boiler.
- Controller ***HT-tronic 900*** is designed for comprehensive control of a boiler with a pellet burner.
- The automation is individually programmed for each type of boiler and its power
- The 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 readeble 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.

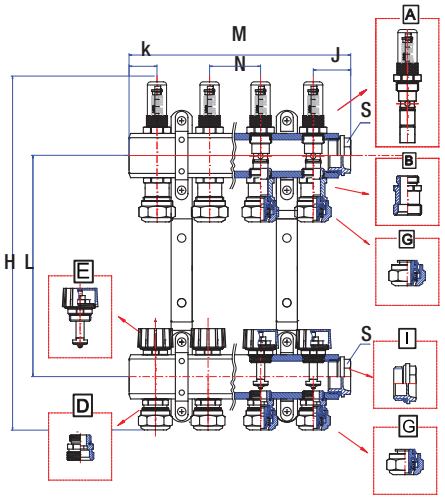
HT-tronic Temperature Senso

- 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.

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

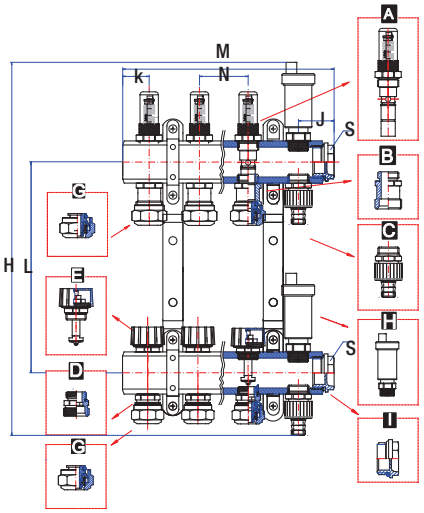


Circuits	G	L	H	M	N	K	S	J	Package	Palette	kg	Index	Net price [PLN]	Gross price [PLN]
2	1/2”	235	338	110	50	25	30	35	1	120	2,26	CVA416	242,00	297,66
3	1/2”	235	338	160	50	25	30	35	1	120	3,08	CVA417	346,50	426,20
4	1/2”	235	338	210	50	25	30	35	1	120	3,90	CVA418	445,50	547,97
5	1/2”	235	338	260	50	25	30	35	1	72	4,72	CVA419	544,50	669,74
6	1/2”	235	338	310	50	25	30	35	1	72	5,54	CVA420	643,50	791,51
7	1/2”	235	338	360	50	25	30	35	1	72	6,37	CVA421	742,50	913,28
8	1/2”	235	338	410	50	25	30	35	1	48	7,19	CVA422	841,50	1 035,05
9	1/2”	235	338	460	50	25	30	35	1	48	8,01	CVA423	940,50	1 156,82
10	1/2”	235	338	510	50	25	30	35	1	48	8,83	CVA424	1 039,50	1 278,59
11	1/2”	235	338	560	50	25	30	35	1	36	9,65	CVA425	1 155,00	1 420,65
12	1/2”	235	338	610	50	25	30	35	1	36	10,48	CVA426	1 254,00	1 542,42
13	1/2”	235	338	660	50	25	30	35	1	36	11,30	CVA427	1 353,00	1 664,19
14	1/2”	235	338	710	50	25	30	35	1	36	12,12	CVA428	1 452,00	1 785,96
15	1/2”	235	338	760	50	25	30	35	1	36	12,94	CVA429	1 551,00	1 907,73

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

The 71E distributor includes:

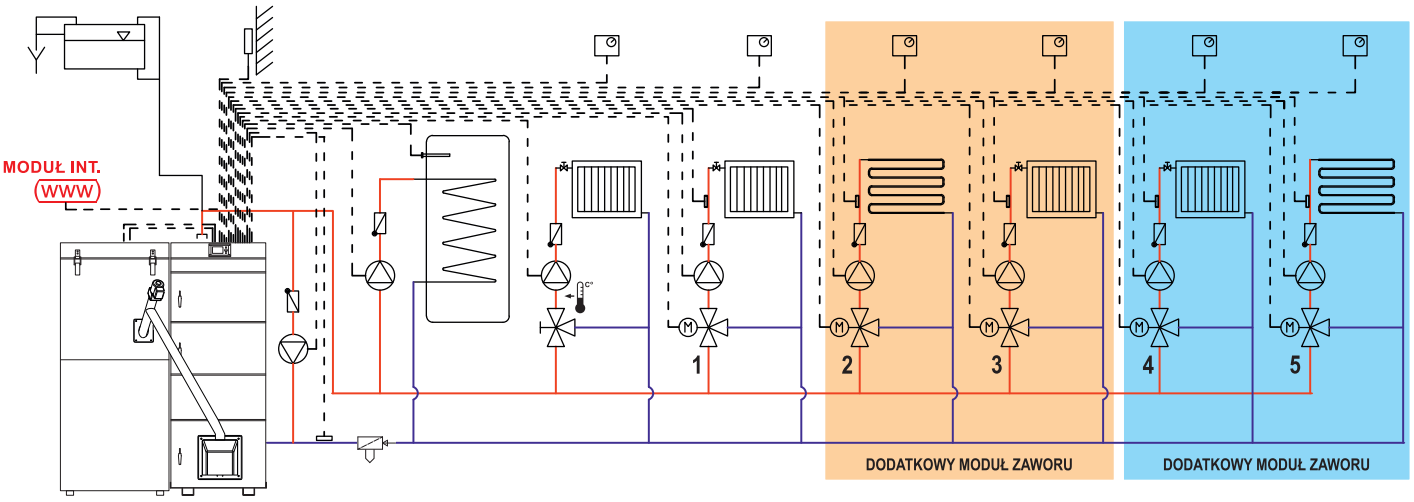
- supply beam with additional section
  C - drain valves for hose
  H - automatic air vent with stop valve
  A - rotameters with maximum flow 2,4L/min
  B - eurocones 1/2” x 3/4” with O-ring
  G - clamps for the pipe pex/all/pex
- return beam with additional section
  C - drain valves for hose
  H - 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-ting for a key



Circuits	G	L	H	M	N	K	S	J	Package	Palette	kg	Index	Net price [PLN]	Gross price [PLN]
2	1/2”	235	400	160	50	25	30	35	1	120	3,13	CVA402	368,50	453,26
3	1/2”	235	400	210	50	25	30	35	1	120	3,96	CVA403	467,50	575,03
4	1/2”	235	400	260	50	25	30	35	1	120	4,78	CVA404	566,50	696,80
5	1/2”	235	400	310	50	25	30	35	1	72	5,60	CVA405	665,50	818,57
6	1/2”	235	400	360	50	25	30	35	1	72	6,42	CVA406	764,50	940,34
7	1/2”	235	400	410	50	25	30	35	1	72	7,24	CVA407	863,50	1 062,11
8	1/2”	235	400	460	50	25	30	35	1	48	8,07	CVA408	957,00	1 177,11
9	1/2”	235	400	510	50	25	30	35	1	48	8,89	CVA409	1 056,00	1 298,88
10	1/2”	235	400	560	50	25	30	35	1	48	9,71	CVA410	1 177,00	1 447,71
11	1/2”	235	400	610	50	25	30	35	1	36	10,53	CVA411	1 270,50	1 562,72
12	1/2”	235	400	660	50	25	30	35	1	36	11,35	CVA412	1 375,00	1 691,25
13	1/2”	235	400	710	50	25	30	35	1	36	12,18	CVA413	1 474,00	1 813,02
14	1/2”	235	400	760	50	25	30	35	1	36	13,00	CVA414	1 573,00	1 934,79
15	1/2”	235	400	810	50	25	30	35	1	36	13,82	CVA415	1 721,50	2 117,45

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	boiler pump (introduced successively)		thermostat line / room thermostat
CH	boiler pump (central heating)		control of additional fuel feeder
HDW	domestic hot water pump		HT Logic III - boiler operation in mode
VALVE	domestic hot water pump		modulating boiler operation
CIRC	circulation circuit pump	WWW	internet module
BUFFER	buffer pump		color display
	mixing valve actuator control		touchscreen color display
	dirt separator with magnetizer	gwarancja 5lat	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	A+	energy class

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

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