

Warmth of nature



**termet®**

# Energy-efficient heating devices





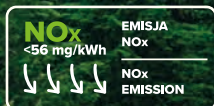


# Warmth of nature

We provide our customers with efficient, pro-ecological heating devices, guaranteeing quality for years. Termet offers both highly efficient condensating boilers as well as heat pumps based on renewable energy sources.



# termet®



## Comfort of warmth in harmony with nature

We focus on the development of innovative technologies friendly for the environment and the user. We ensure the emission of harmful substances, energy consumption and the noise level emitted by the devices is as low as possible. Thanks to that we increase everyday comfort of life and care for better climate.



## Sustainable development

We hold the ISO 14001:2015 environmental management certificate, which confirms that we follow procedures that limit the impact of our activities on the environment and act in accordance with the idea of sustainable development. Procedures applied at Termet have a direct impact on waste reduction, lower consumption of natural resources and responsible management of the entire product life cycle and supply chain.



# PRODUCT CATALOGUE 2022

<b>HEAT PUMP FOR CENTRAL HEATING AND DOMESTIC HOT WATER</b>	TERMET HEAT PLATINUM	22
	TERMET HEAT GOLD	24
<b>WALL MOUNTED GAS CONDENSING BOILERS</b>	ECOCONDENS SLIM	28
	Additional equipment for ECOCONDENS SLIM	29
	ECOCONDENS CRYSTAL II PLUS	30
	Additional equipment for ECOCONDENS CRYSTAL II PLUS	31
	ECOCONDENS SILVER	32
	Additional equipment for ECOCONDENS SILVER	33
<b>WALL MOUNTED GAS CONDENSING BOILER - COMFORT LINE</b>	EURO COMFORT	36
	Additional equipment for EURO COMFORT	37
	ECOCONDENS GOLD PLUS	38
	Additional equipment for ECOCONDENS GOLD PLUS	39
	ECOCONDENS NEX	40
	Additional equipment for ECOCONDENS NEX	41
<b>GAS CONDENSING BOILERS WITH INTEGRAL DOMESTIC HOT WATER TANK - COMFORT LINE</b>	INTEGRA COMFORT	44
	Additional equipment for INTEGRA COMFORT	45
	SOLID COMFORT	46
	Additional equipment for SOLID COMFORT	47
<b>TERMET COMFORT SYSTEM</b>	TERMET COMFORT SYSTEM	50
<b>HIGH POWER GAS CONDENSING BOILERS</b>	ECOCONDENS CRYSTAL PLUS 50	54
	Additional equipment for ECOCONDENS CRYSTAL PLUS 50	54
	Additional equipment for cascade systems (ECOCONDENS CRYSTAL PLUS 50)	55
	ECOCONDENS CRYSTAL 80, 100	56
	Additional equipment for ECOCONDENS CRYSTAL 80, 100	56
	Additional equipment for cascade systems (ECOCONDENS CRYSTAL 80, 100)	57
	CASCADE SYSTEMS	58
<b>DOMESTIC HOT WATER TANKS</b>	TERMET SG PLUS 100	62
	TERMET SG PLUS 120	62
	TERMET SG PLUS 140	62
	ZWU-200/N PLUS	62
	TERMET SWK 100	63
	TERMET SWK 120	63
	TERMET SWK 140	63
<b>GAS BOILERS WITH OPEN COMBUSTION CHAMBER - ECODESIGN (ERP2018)</b>	MINIMAX ECO 13/22	66
	MINIMAX ECO 22/22	66
<b>STANDARD GAS BOILERS</b>	MINIMAX ELEGANCE	70
	UNICO ELEGANCE	72



<b>MULTI-ZONE HYDRAULIC SEPARATOR FOR HEATING SYSTEMS</b>	Multi-zone hydraulic separator for heating systems SIM WP 2Z	<b>70</b>
	Additional equipment for multi-zone hydraulic separator for heating systems SIM WP 2Z	<b>70</b>
<b>GAS WATER HEATERS - ECODESIGN (ERP2018)</b>	TERMAQ ELECTRONIC ECO GE 19-02	<b>74</b>
	TERMAQ ELECTRONIC ECO GE 24-02	<b>74</b>
	TERMAQ AQUA-POWER ECO GH 19-02	<b>74</b>
	AQUA COMFORT ECO GT 19-03	<b>76</b>
	AQUA COMFORT ECO GT 24-03	<b>76</b>
<b>STANDARD GAS WATER HEATERS</b>	TERMAQ GP 19-01	<b>86</b>
	TERMAQ ELECTRONIC PRO GE 19-02	<b>87</b>
	AQUA COMFORT TURBO GT 19-03	<b>88</b>
	AQUA COMFORT TURBO GT 23-03	<b>88</b>
<b>CHEMICALS FOR HEATING SYSTEMS PROTECTION</b>	Chemicals for heating system protection	<b>92</b>
<b>MAGNETIC FILTERS</b>	Magnetic filters	<b>93</b>
<b>AIR/FLUE-GAS SYSTEMS</b>	Air/flue-gas systems - steel	<b>96</b>
	Insulated air/flue-gas systems - stainless steel	<b>101</b>
	Air/flue-gas systems - plastic	<b>104</b>
	Adapters and elements	<b>111</b>
	Air/flue-gas systems for high-power boilers - stainless steel	<b>112</b>
	Air/flue-gas systems for cascade	<b>113</b>



# Brand values that shape us



We provide the comfort of warmth with environmental responsibility in mind.

## Quality for years

High quality of Termet products and systems is the priority of our activity. That is why we use world-class components and invest in modern production technologies and the competence of specialists. We have got uncompromising policy of quality control, checking our products at every stage of production process.



## Professionalism

Our competences, combined with precision and the ambitious striving for perfection, make that Termet implement the latest technologies for the benefit of the climate.



## Experience

For decades, our company has specialized in the production of heating devices. We have over 70 years of experience in this sector. We cultivate the traditions of the pre-war Becker clock factory, which was located on our premises at the foot of the Książ Castle.

## Product availability

Our mission is to ensure the comfort of warmth every day. Therefore, we focus not only on quality, functionality and ease of use, but also on efficient logistics and the availability of our products both through wholesalers and smaller local retailers. We also take care to provide users in every region with easy access to authorized installers and service technicians.



## Ecology

We invest in innovative, intelligent technologies to produce the most efficient heating devices. We want to reduce the consumption of resources and the emission of harmful substances into the atmosphere.

We provide our customers with effective, pro-ecological heating devices, guaranteeing the highest quality for years. Our offer includes high-efficiency condensing boilers and low-emission water heaters. We develop our offer based on renewable energy sources.



## Responsibility

Responsibility is not just a statement to us. We are aware of our role and we work daily on technologies that ensure the longevity of our products and their high energy efficiency. As a manufacturer of heating systems, we take responsibility for the climate, clean air and the living comfort.



# Products tailored to your needs



Termet provide their customers with a wide range of ecological heating equipment, including condensing boilers that will meet the expectations of the most demanding customers.

## ECOCONDENS SILVER

**The best value for money** - the money saved can be invested in additional controller to optimise your heating system.

**High appliance efficiency** ensures low gas consumption, which leaves more money in your wallet to finance the ongoing maintenance of your appliance.

**Increased boiler output on domestic water circuit**, making your bath always comfortable without reducing the water flow.

## ECOCONDENS GOLD PLUS

**Modern design of the boiler** enhances your home interior aesthetics, and will highlight your good taste and attention to detail.

**Stainless steel burner**, with low NOx emissions, allows for high air quality every day and you gain the influence for a healthy future for you and your family.

**Possibility of connecting the Termet Comfort System** to the device allows you to control the boiler from any place in the world. You will have full control over your heating system whenever you are.

## ECOCONDENS NEX

**Modern heat exchanger made of stainless steel** is characterised by high resistance to corrosion and calcification. This has an impact on long and failure-free operation of the unit and lower service costs. Now the heating period will be calm and you will not have to worry about service availability.

**Easy-to-use 7-button control panel** allows fast setting of selected parameters adjusted to your current needs, e.g. you can change the summer/winter mode yourself - no need to call a specialist.

**The quietest boiler on the market** - high acoustic comfort allows the appliance to be installed close to the living room or even the bedroom, so that you can enjoy these rooms while forgetting about the working boiler.



### Economical choice

ECOCONDENS **SILVER**  
page 32

### Modern design

ECOCONDENS **GOLD PLUS**  
page 38

### Extremely quiet

ECOCONDENS **NEX**  
page 40



**As experts in heating equipment,**  
we understand that caring for a clean  
environment and air depends significantly  
on manufacturers.



Therefore, we spare no effort to implement pro-ecological solutions and technologies, which we use in Termet appliances. The highest quality components and modern technologies used in production ensure not only high heating efficiency, but also longevity of our devices.

### ECOCONDENS SLIM

**Small dimensions** allow for arranging untypical spaces and finding a suitable place for the boiler even in small rooms.

**Modern control panel** with Open-Therm protocol enables two-way communication between the boiler and the end-user. You will have the feeling of safety and certainty that the appliance operates without any failures.

**Modern heat exchanger made of stainless steel** with high efficiency guarantees low energy consumption, which means you will make significant savings on your household budget.

### INTEGRA COMFORT

**An integrated stainless steel storage tank** with capacity of 48 litres guarantees large hot water flow rate and high comfort.

**Thanks to possibility to connect circulation to the integrated storage tank**, hot water is available immediately, even when water points are far from the boiler. By choosing this appliance you will reduce water losses and thus protect the environment.

**Termet Comfort System ensures optimal boiler operation** by remote management of its functions. Thanks to this, even when you are away from home you do not have to worry about the operation of your appliance. Additionally, in Termet Comfort mobile application you can remotely set the ideal water temperature in storage tank.



#### Compact size

ECOCONDENS **SLIM**

page 28

#### Integrated water storage tank

INTEGRA **COMFORT**

page 44



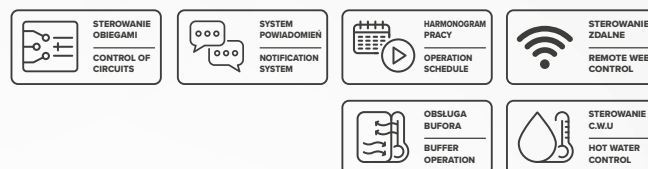
# We choose warmth of nature



Caring for the environment we live in, we are constantly expanding our product portfolio with devices **based on renewable energy sources**: air-water heat pumps for central heating and hot water.

## TERMET HP Multi

Termet HPmulti control panel manages the heat pump (Heat Platinum and Heat Gold) and works as a room regulator. Controller allows to observe and set the parameters online, via mobile app ecoNET.apk or website [www.econet24.com](http://www.econet24.com).



### Easy operating of heat pump via HPmulti regulator:

- touch screen colour display
- control of 3 heating circuits: 1 direct circuit (pump) and two circuits with mixer
- control of domestic hot water tank and circulation pump
- creation of separate timetables for heat pump as a heat source, heating circuits and domestic hot water circuit
- clear and easy-to-use menu
- pump controller with SmartGrid function enables intelligent management of cooperation of the heat pump with PV panels
- intelligent support for additional modules and additional room temperature regulators
- control of additional energy sources such as electrical heater, gas boiler or electric boiler
- possibility to regulate the operation of the system depending on the outdoor temperature (weather function)
- easy software update by memory card
- parental control (touchscreen locking)

## Smart control

TERMET HP MULTI



EcoNET mobile app is available for iOS and Android.

## TERMET HEAT GOLD

TERMET HEAT GOLD heat pumps, are extremely environmentally friendly heat sources as they use the energy stored in the air.

Our reversible pumps have several functions - they can be used not only for space heating, but also to heat up domestic hot water or, in the summer, for cooling.

**HPmulti controller and ecoNET300 internet module** included with the pump allow you to manage the operation of the device via free app. This gives you full control over the operation of your pump and no costs for additional equipment.

The **FULL inverter technology** allows the unit's operation to adapt smoothly to temperature fluctuations, guaranteeing high heat comfort and nature-friendly heating.

More savings can be made by taking advantage of variable tariffs, using **SmartGrid function**, which enables smart cooperation of pumps with PV panels.



## TERMET HEAT PLATINUM

TERMET HEAT PLATINUM inverter heat pumps use the energy stored in the air to generate heat and are therefore an extremely environmentally friendly heat source.

They can perform several functions - they can be used not only for space heating, but also to heat up domestic hot water, or in the summer, for cooling.

Thanks to **inverter compressor with EVI** technology (direct steam injection), pump will have a high efficiency even for radiator heating parameters. Therefore, when choosing this pump you will not have to worry about having to replacing the existing installation with underfloor heating.

It is also possible to use the heat pump for **space cooling**, so you can experience comfortable temperatures in both winter and summer. By using one unit for heating and cooling, you are making a difference in reducing greenhouse gas emissions and protecting the planet.

**Pump controller with SmartGrid function** enables intelligent management of the heat pump's cooperation with PV panels. You produce green energy and have a positive impact on the energy and climate efficiency balance.

A **new-generation copper evaporator** covered with protective hydrophilic coating protects the pump from harmful external influences, guaranteeing unit's durability. As a result, you will be able to enjoy trouble-free operation without worrying about variability of weather conditions.



### Economical choice

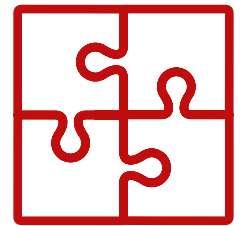
TERMET HEAT GOLD  
page 24

### High efficiency

TERMET HEAT PLATINUM  
page 22



# Termet Comfort System



During the designing process of our devices, we think systemically. We care about providing complex solutions for efficient house heating. Apart from gas boilers and heat pumps, we offer additional accessories and mobile control systems.



## Comfort and savings

In order to effectively manage heating in single-family houses and larger buildings, it is recommended to divide the heating into several independent zones, especially when using traditional radiators in combination with underfloor heating. This allows you to increase the comfort of the heat, while controlling its consumption.

Heating system equipped with Termet multi-zone module enables independent control of two or three heating circuits, e.g. underfloor heating and radiators, and cooperates with all Termet condensing boilers up to 35 kW.


**1**


### Condensing boiler

Top technology appliances for heating and domestic hot water preparation. High efficiency as well as a wide range of modulation make these devices very economical and environmentally friendly.

**2**


### DHW tank

Water tanks for heating and storing hot water are among the most modern solutions for supply of hot water to single and multi-family houses and public buildings with several hot water points. They are characterised by small dimensions, which makes them easy to install, e.g. in small boiler room.

**3**


### Multi-zone separator

Compact solution for connecting two or three heating circuits: low-temperature zone (underfloor heating), high-temperature zone (radiator heating) or optionally another high or low temperature zone via connection kit.

**4**


### Termet Comfort System module

Comfort Module is included in Termet Comfort System set - system for remote managing the temperature in heated rooms.

**5**


### Termet Comfort System individual room controller

Controller maintains the set temperature in the house, sends a signal to the heating appliance to switch it on or off.

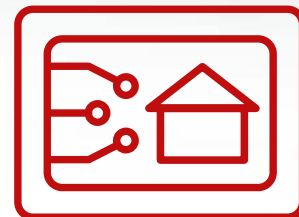
**6**


### Termet Comfort System thermostatic head

Controls the flow of heating medium, depending on heat demand, by regulating the valve opening range.



# Smart control



Thanks to **Termet Comfort smart control system** the user gains access to many useful functionalities connected with heating and hot water preparation in the storage tank.



EcoCondens Nex



**With Termet Comfort System you can increase the energy efficiency of your appliance for heating purposes.**

Termet Comfort System is dedicated to condensing boilers equipped with LIN interface:

- EcoCondens Gold Plus,
  - EcoCondens Nex,
  - Integra Comfort,
  - Solid Comfort,
- and standard boilers with open combustion chamber - MiniMax Eco.

## Termet Comfort System app allows you to individually set the temperature at intervals in a weekly cycle.

With the app, you can manage the heating in up to six independent zones and set a priority for one of them.

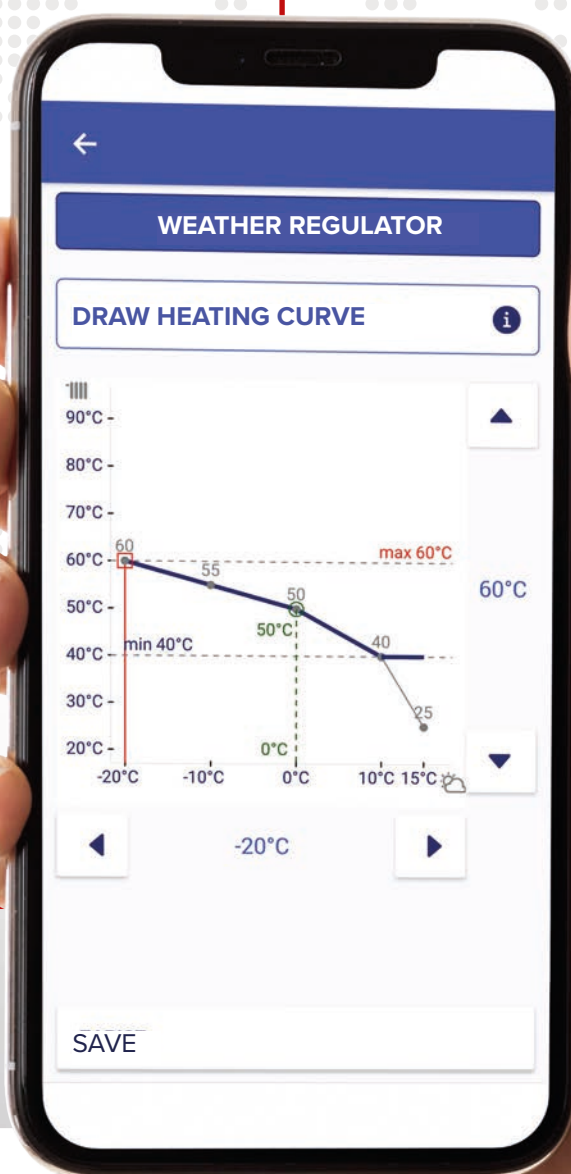
### Termet Comfort System app enables:

- monitoring of the unit's operation,
- view of basic operating parameters,
- changing the operation modes,
- programming of operation cycles for domestic hot water tank,
- setting priority for one of 6 heating zones,
- display of boiler error codes.



**A+**

Remotely monitor and change appliance settings with Termet Comfort System mobile app.



Termet Comfort System mobile app is available for iOS and Android.



# From the first design to the final product



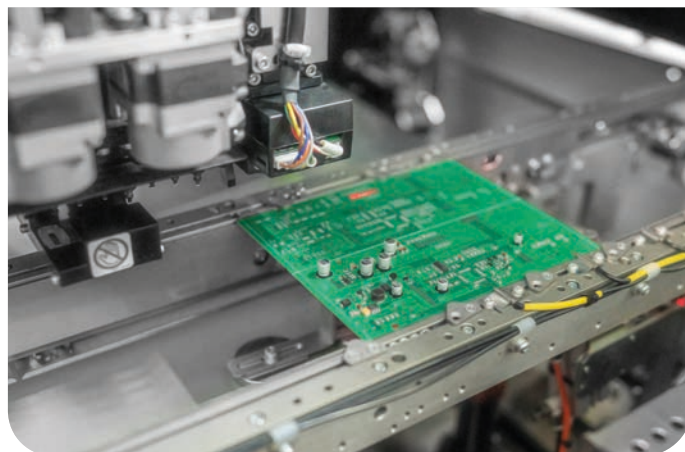
**We have been creating with Polish technological thought for over 75 years.**

All stages of the production process are fully controlled by Termet and performed in the production plant in Świebodzice.



#### **Products tailored to your needs**

Our own research and development facilities with modern test and measurement stands allow us to develop products with the latest trends, to protect the climate and meet the challenges of the future using innovative technologies.



#### **Our own control solutions**

Control and automatic electronic systems dedicated to Termet appliances are created in our specialized subsidiary Tester.



#### **Fully automated processes and modern production lines**

Our modern machinery allows us to optimise production processes and increase productivity. It also guarantees orderly material management. Watchmaker's precision developed over the years ensures high quality of workmanship and long-term and failure-free operation of our equipment.



#### **Guarantee of quality and safety**

To ensure our products are safe to use, each appliance passes a full quality check on the production line. Seven-year warranty on condensing boilers is a result of our quality policy ensuring that our customers receive safe and long-lasting appliances.



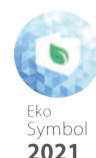


## Quality and safety comes first

Quality and safety of our products is ensured by application of integrated quality management system in the production plant, in accordance with international ISO standard.



Numerous industry and consumer awards are proof that Termet products are recognised as leaders in quality and reliability.





## The power of experience

One of Termet's greatest advantages is its unique know-how in the production of gas heating appliances, which we have built up over several decades together with our experienced staff.



# Qualifications matter



We invest in know-how and competences of our employees, as they are behind every Termet products. We provide regular trainings to ensure the highest qualifications of our authorized technicians and installers as well as the competences of our sales staff in distribution centres.

## **Qualified staff of engineers**

We have our own design office and specialized staff of designers and technologists, who not only create new product but also take care of their constant development, following the latest market trends.

## **Professional service support**

We educate installers and service technicians, we share knowledge on available technologies and our products, developing competences of our specialists.

## **Customer service at the highest level**

Our heating specialists provide professional customer service and product advice. We ensure that our products are always tailored to the needs of our customers.



## **Modern training center**

Termet training center in Świebodzice is one of the most modern and best equipped center in Poland. All devices in the room are connected to working heating system.

## **We focus on practice**

Specialized training stations enable active participation in workshops by simulating situations that may occur during the installation or service.

**01.**

# **Heat pumps for Central Heating and Domestic Hot Water**

---





## Termet Heat Platinum

- modern reversible heat pump for space heating and cooling
- monobloc construction
- outdoor installation
- durable Panasonic inverter compressor with EVI technology (direct injection of steam)**
- thanks to EVI the pump is also suitable for radiator heating
- compressor powered by environmentally friendly refrigerant R32 with low GWP=675
- housing made of weather-resistant sheet metal
- possibility to cooperate with PV panels thanks to the SmartGrid function
- easy control of the pump via HPmulti controller
- possibility of remote control and monitoring of heat pump operating parameters thanks to ecoNET300 Internet module



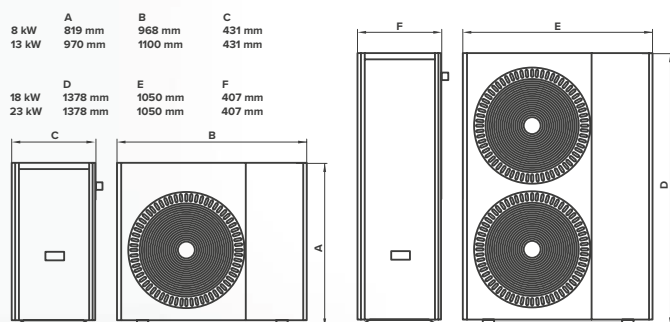
for (A7/W35)



Standard equipment:

- built-in outdoor temperature sensor
- NTC sensor of sanitary water

### DIMENSIONS



TPP 9906 00 00 00/PL, TPP 9907 00 00 00/PL

TPP 9908 00 00 00/PL, TPP 9909 00 00 00/PL



TECHNICAL FEATURES	8 EVI/DC	13 EVI/DC	18 EVI/DC	23 EVI/DC
Seasonal space heating energy efficiency class for [A7/W35*]	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>
Heating power [A7/W35*]	8,40 kW	13,00 kW	18,2 kW	23,0 kW
COP [A7/W35*]	4,5	4,3	4,43	4,4
Cooling power [A35/W18*]	6,5 kW	8,6 kW	12,1 kW	15,3 kW
Heating power range (hot water circuit)	4,6-10,6 kW	7,1-16,4 kW	9,9-23,0 kW	12,5-28,9 kW
Ambient temperature during operation	-25~43°C	-25~43°C	-25~43°C	-25~43°C
IP degree (protection level)	IPX4	IPX4	IPX4	IPX4
Power supply	230 V/1 phase/50-60 Hz	400 V/3 phases/50-60 Hz	400 V/3 phases/50-60 Hz	400 V/3 phases/50-60 Hz
Height x width x depth	819x968x431 mm	970x1100x431 mm	1378x1050x407 mm	1378x1050x407 mm
Weight	92 kg	110 kg	170 kg	180 kg
Sound power level L <sub>wa</sub>	≤53 dB	≤55 dB	≤57 dB	≤58 dB
Refrigerant	R32 (GWP 675)	R32 (GWP 675)	R32 (GWP 675)	R32 (GWP 675)
Amount of refrigerant in the system	1,3 kg	1,6 kg	2,7 kg	2,7 kg



\*A- air temperature; W- water temperature at the heat pump outlet

Heat pump contains fluorinated greenhouse gases covered by the Kyoto Protocol. Refrigerant circuit is hermetically sealed.

### HEAT PUMP

Catalogue number	Trade name	Dimensions	Power
TPP 9906 00 00 00/PL	TERMET HEAT PLATINUM 8 EVI/DC	819x968x431 mm	8 kW
TPP 9907 00 00 00/PL	TERMET HEAT PLATINUM 13 EVI/DC	970x1100x431 mm	13 kW
TPP 9908 00 00 00/PL	TERMET HEAT PLATINUM 18 EVI/DC	1378x1050x407 mm	18 kW
TPP 9909 00 00 00/PL	TERMET HEAT PLATINUM 23 EVI/DC	1378x1050x407 mm	23 kW

**EQUIPMENT FOR TERMET HEAT PLATINUM PUMPS (included)**

Trade name	Description	Picture
HPmulti regulator	<p>Easy operating of heat pump via HPmulti regulator:</p> <ul style="list-style-type: none"> <li>• touch screen colour display</li> <li>• control of 3 heating circuits: 1 direct circuit (pump) and two circuits with mixer</li> <li>• control of domestic hot water tank and circulation pump</li> <li>• creation of separate timetables for heat pump as a heat source, heating circuits and domestic hot water circuit</li> <li>• clear and easy-to-use menu</li> <li>• pump controller with SmartGrid function enables intelligent management of cooperation of the heat pump with PV panels</li> <li>• intelligent support for additional modules and additional room temperature regulators</li> <li>• control of additional energy sources such as electrical heater, gas boiler or electric boiler</li> <li>• possibility to regulate the operation of the system depending on the outdoor temperature (weather function)</li> <li>• easy software update by memory card</li> <li>• parental control (touchscreen locking)</li> </ul>	
ecoNET300 Internet module	<p>Possibility of remote control and monitoring of heat pump operating parameters via website <a href="http://www.econet24.com">www.econet24.com</a> or by application (Adroid and iOS):</p> <ul style="list-style-type: none"> <li>• ecoNET.apk</li> <li>• ecoNET.app</li> </ul>	



## Termet Heat Gold

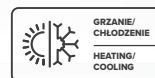
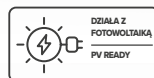
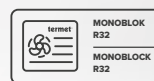
- modern reversible heat pump for space heating and cooling
- monobloc construction
- outdoor installation
- **high performance Mitsubishi inverter compressor**
- electronic expansion valve EEV – precise control of refrigeration system
- low noise fan
- compressor powered by environmentally friendly refrigerant R32 with low GWP=675
- housing made of weather-resistant sheet metal
- possibility to cooperate with PV panels thanks to the SmartGrid function
- easy control of the pump via HPmulti controller
- possibility of remote control and monitoring of heat pump operating parameters thanks to ecoNET300 Internet module

Standard equipment:

- built-in outdoor temperature sensor
- NTC sensor of sanitary water

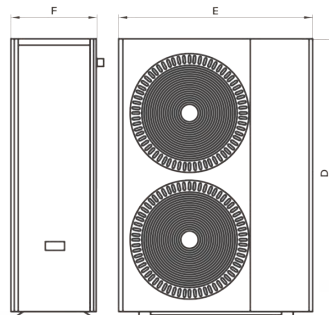
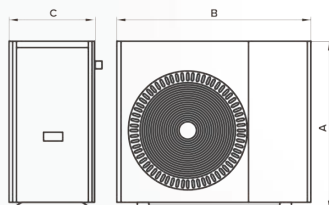


for (A7/W35)



### DIMENSIONS

6 kW	A	B	C
9 kW	712 mm	1120 mm	480 mm
	712 mm	1120 mm	480 mm
12 kW	D	E	F
15 kW	1230 mm	1120 mm	480 mm
18 kW	1230 mm	1120 mm	480 mm



TPP 9910 00 00 00/PL, TPP 9900 00 00 00/PL



TPP 9901 00 00 00/PL, TPP 9902 00 00 00/PL, TPP 9903 00 00 00/PL

TECHNICAL FEATURES	6	9	12	15	18
Seasonal space heating energy efficiency class for [A7/W35*]	A+++	A+++	A+++	A+++	A+++
Heating power [A7/W35*]	6,7 kW	8,8 kW	12,0 kW	17,6 kW	22,1 kW
COP [A7/W35*]	4,7	4,5	4,6	4,4	4,3
Cooling power [A35/W18*]	5,6 kW	8,4 kW	10,1 kW	12,0 kW	15,2 kW
Ambient temperature during operation	-25~43°C	-25~43°C	-25~43°C	-25~43°C	-25~43°C
IP degree (protection level)	IPX4	IPX4	IPX4	IPX4	IPX4
Power supply	230 V/1 phase/50 Hz	230 V/1 phase/50 Hz	230 V/1 phase/50 Hz	400 V/3 phases/50 Hz	400 V/3 phases/50 Hz
Height x width x depth	712x1120x480 mm	712x1120x480 mm	1230x1120x480 mm	1230x1120x480 mm	1230x1120x480 mm
Weight	71 kg	80 kg	110 kg	117 kg	128 kg
Sound power level L <sub>wa</sub>	50 dB	64 dB	65 dB	66 dB	69 dB
Refrigerant	R32 (GWP 675)	R32 (GWP 675)	R32 (GWP 675)	R32 (GWP 675)	R32 (GWP 675)
Amount of refrigerant in the system	0,9 kg	1,2 kg	2,1 kg	2,3 kg	2,3 kg

\*A- air temperature; W- water temperature at the heat pump outlet



Heat pump contains fluorinated greenhouse gases covered by the Kyoto Protocol. Refrigerant circuit is hermetically sealed.

### HEAT PUMP

Catalogue number	Trade name	Dimensions	Power
TPP 9910 00 00 00/PL*	TERMET HEAT GOLD 6 DC	712x1120x480 mm	6 kW
TPP 9900 00 00 00/PL	TERMET HEAT GOLD 9 DC	712x1120x480 mm	9 kW
TPP 9901 00 00 00/PL	TERMET HEAT GOLD 12 DC	230x1120x480 mm	12 kW
TPP 9902 00 00 00/PL	TERMET HEAT GOLD 15 DC	1230x1120x480 mm	15 kW
TPP 9903 00 00 00/PL	TERMET HEAT GOLD 18 DC	1230x1120x480 mm	18 kW

\* equipped with electric heater

**EQUIPMENT FOR TERMET HEAT GOLD PUMPS (included)**

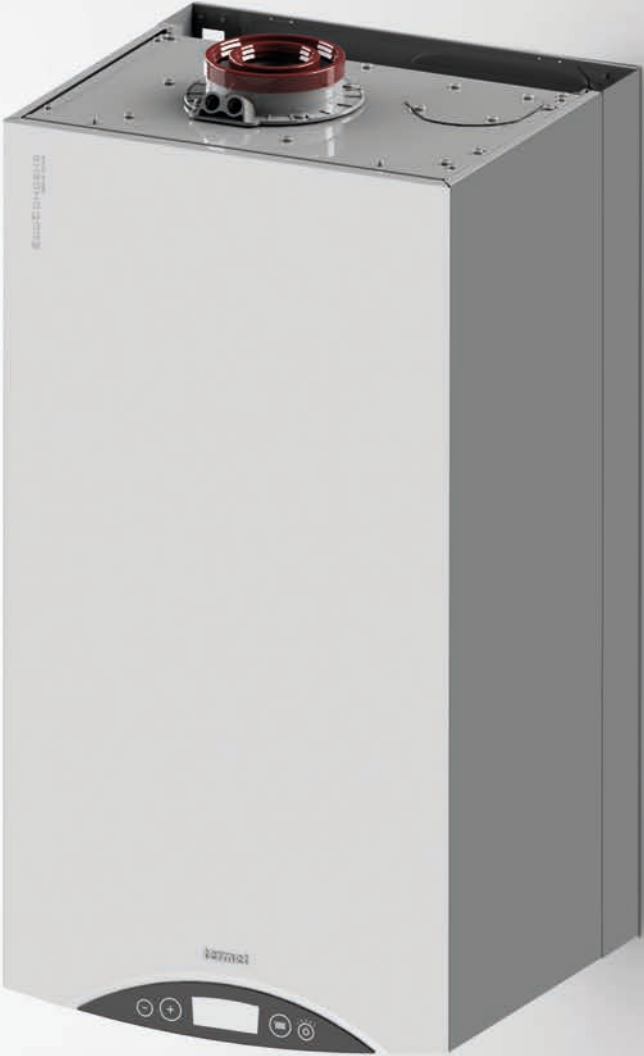
Trade name	Description	Picture
HPmulti regulator	<p>Easy operating of heat pump via HPmulti regulator:</p> <ul style="list-style-type: none"> <li>• touch screen colour display</li> <li>• control of 3 heating circuits: 1 direct circuit (pump) and two circuits with mixer</li> <li>• control of domestic hot water tank and circulation pump</li> <li>• creation of separate timetables for heat pump as a heat source, heating circuits and domestic hot water circuit</li> <li>• clear and easy-to-use menu</li> <li>• pump controller with SmartGrid function enables intelligent management of cooperation of the heat pump with PV panels</li> <li>• intelligent support for additional modules and additional room temperature regulators</li> <li>• control of additional energy sources such as electrical heater, gas boiler or electric boiler</li> <li>• possibility to regulate the operation of the system depending on the outdoor temperature (weather function)</li> <li>• easy software update by memory card</li> <li>• parental control (touchscreen locking)</li> <li>• control of cascade of heat pumps</li> </ul>	
ecoNET300 Internet module	<p>Possibility of remote control and monitoring of heat pump operating parameters via website <a href="http://www.econet24.com">www.econet24.com</a> or by application (Adroid and iOS):</p> <ul style="list-style-type: none"> <li>• ecoNET.apk</li> <li>• ecoNET.app</li> </ul>	

**02.**

# **Wall mounted gas condensing boilers**

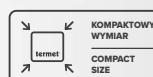
---







## Ecocondens Slim

- compact size - depth of only 250mm
- built-in coaxial adapter Ø60/Ø100 with measuring points
- remote control via Wi-Fi regulators TERMET ST-2801 Wi-Fi
- possibility to connect regulators with On/Off and Open-Therm communication protocol
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (13%-100%)
- expansion vessel (8 dm<sup>3</sup>) on the side
- quiet operation (**sound power level of only 48 dB**)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)



TECHNICAL FEATURES		SYSTEM BOILERS	COMBI BOILERS
		20	20
 <b>CH circuit</b>	Seasonal space heating energy efficiency class	<b>A</b>	<b>A</b>
	Heat output	20 kW	20 kW
	Seasonal space heating energy efficiency [ $\eta_{s,h}$ ]	93 %	93 %
	Annual energy consumption ( $Q_{H,E}$ )	39,82 GJ	39,82 GJ
	Heat output (at temp. 50/30°C)	3,0-22,0 kW	3,0-22,0 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %
	Max. water pressure	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>
 <b>DHW circuit</b>	Water heating energy efficiency class	-	<b>A</b>
	Declared load profile	-	L
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	80 %
	Heat output (at temp. 80/60°C)	-	2,7-25,0 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	12,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	12 GJ
	Sound power level $L_{wa}$	48 dB	48 dB
	<b>Emission of NO<sub>x</sub></b>	<b>21 mg/kWh</b>	<b>21 mg/kWh</b>
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm	
	Power supply	~230 V	
Height x width x depth		777 x 400 x 250 mm	
Weight		33,0 kg	32,0 kg

### WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 6011 00 00 00/XX	ECOCONDENS SLIM-20	777x400x250 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

### WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 6041 00 00 00/XX	ECOCONDENS SLIM-20	777x400x250 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C



**ROOM TEMPERATURE REGULATORS WITH OPEN-THERM COMMUNICATION PROTOCOL**

Catalogue number	Trade name	Description	Picture
T 9655 00 00 00/PL	EASY REMOTE	<ul style="list-style-type: none"> <li>- wire, power supply with 2 x AA 1.5 V batteries</li> <li>- easy to use LCD display</li> <li>- remote weekly programming of boiler parameters</li> <li>- control of tank water temperature and tank operating time</li> <li>- possibility to view error codes history</li> </ul>	
WKZ 0624 00 00 00	CR 11011	<ul style="list-style-type: none"> <li>- wire, power supply with 2 x AA 1.5 V batteries</li> <li>- seven buttons, LCD display indicating time, date, current temperature and current program of the day</li> <li>- remote weekly programming of boiler parameters</li> <li>- control of tank water temperature and tank operating time</li> <li>- possibility to view error codes history</li> </ul>	
T 9612 00 00 00	TERMET ST-2801	<ul style="list-style-type: none"> <li>- wire, power supply: 230V/50Hz</li> <li>- touch screen colour display</li> <li>- remote weekly programming of boiler parameters</li> </ul>	
T 9615 00 00 00	TERMET ST-2801 WI-FI	<ul style="list-style-type: none"> <li>- control of tank water temperature and tank operating time</li> <li>- possibility to view error codes history</li> <li>- Wi-Fi module enables remote control of selected boiler parameters</li> </ul>	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

Heating curve adjustment from the room regulator position with no need to enter the boiler's "service" menu.

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	<ul style="list-style-type: none"> <li>- wire</li> <li>- two buttons plus/minus</li> <li>- power supply with 2 x AAA batteries</li> </ul>	
T 9449 11 00 00	TERMET ST-292 V3	<ul style="list-style-type: none"> <li>- wire</li> <li>- manual program, day/night program, weekly control</li> <li>- touch screen, backlit LCD display made of 3 mm tempered glass</li> <li>- power supply with 2 x AA 1.5 V batteries</li> </ul>	
T 9449 10 00 00	TERMET ST-292 V2	<ul style="list-style-type: none"> <li>- wireless (with a signal receiver mounted near the unit)</li> <li>- manual program, day/night program, weekly control</li> <li>- touch screen, backlit LCD display made of 3 mm tempered glass</li> <li>- power supply with 2 x AA 1.5 V batteries</li> </ul>	

**ACCESSORIES FOR ECOCONDENS SLIM**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 3/4", gaskets, copper connection pipes with nuts	
T 9425 00 00 00	Bottom cover	Bottom cover dedicated to ECOCONDENS SLIM Dimensions: W=400mm x H=150mm x D=215mm	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS SLIM\***



Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

## Ecocondens Crystal II Plus

- operating in cascade system - max. 5 boilers (for complete offer of cascade systems see pages 58-59)
- built-in coaxial adapter Ø60/Ø100 with measuring points
- remote control via Wi-Fi regulators TERMET ST-2801 Wi-Fi
- possibility to connect regulators with On/Off and Open-Therm communication protocol
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (13%-100%)
- expansion vessel (8 dm<sup>3</sup>) on the side
- quiet operation (**sound power level of only 48 dB**)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)



		SYSTEM BOILERS			COMBI BOILERS		
TECHNICAL FEATURES		20	25	35	20	25	35
	CH circuit						
	Seasonal space heating energy efficiency class	A	A	A	A	A	A
	Heat output	20 kW	24 kW	35 kW	20 kW	24 kW	35 kW
	Seasonal space heating energy efficiency [ $\eta_{s,h}$ ]	93 %	94 %	95 %	93 %	94 %	95 %
	Annual energy consumption ( $Q_{H,E}$ )	39,82 GJ	47,42 GJ	68,38 GJ	39,82 GJ	47,42 GJ	68,38 GJ
	Heat output (at temp. 50/30°C)	3,0-22,0 kW	4,3-26,5 kW	9,4-38,8 kW	3,0-22,0 kW	4,3-26,5 kW	9,4-38,8 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~109 %	~109 %	~108 %	~109 %	~109 %
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	DHW circuit						
	Water heating energy efficiency class	-	-	-	A	A	A
	Declared load profile	-	-	-	L	L	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	-	-	80 %	79 %	83 %
	Heat output (at temp. 80/60°C)	-	-	-	2,7-25,0 kW	3,9-30,0 kW	8,4-40,2 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	-	-	12,0 dm <sup>3</sup> /min	14,0 dm <sup>3</sup> /min	19,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	-	-	12 GJ	12 GJ	19 GJ
	Sound power level $L_{wa}$	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB
	Emission of NO <sub>x</sub>	21 mg/kWh	24 mg/kWh	29 mg/kWh	21 mg/kWh	24 mg/kWh	29 mg/kWh
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm					
	Power supply	~230 V					
	Height x width x depth	777 x 400 x 285 mm					
	Weight	32,0 kg	34,0 kg	37,0 kg	33,0 kg	35,0 kg	40,0 kg

### WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 4821 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-20	777x400x285 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4841 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-25	777x400x285 mm	4,3-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4861 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-35	777x400x285 mm	9,4-38,8 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30






### WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 4811 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-20	777x400x285 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4831 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-25	777x400x285 mm	4,3-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4851 00 00 00/XX	ECOCONDENS CRYSTAL II PLUS-35	777x400x285 mm	9,4-38,8 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1




\*\* Heat output at 50/30°C

**ROOM TEMPERATURE REGULATORS WITH OPEN-THERM COMMUNICATION PROTOCOL**








Catalogue number	Trade name	Description	Picture
T 9655 00 00 00/PL	EASY REMOTE	- wire, power supply with 2 x AA 1.5 V batteries - easy to use LCD display - remote weekly programming of boiler parameters - control of tank water temperature and tank operating time - possibility to view error codes history	
WKZ 0624 00 00 00	CR 11011	- wire, power supply with 2 x AA 1.5 V batteries - seven buttons, LCD display indicating time, date, current temperature and current program of the day - remote weekly programming of boiler parameters - control of tank water temperature and tank operating time - possibility to view error codes history	
T 9612 00 00 00	TERMET ST-2801	- wire, power supply: 230V/50Hz - touch screen colour display - remote weekly programming of boiler parameters	
T 9615 00 00 00	TERMET ST-2801 WI-FI	- control of tank water temperature and tank operating time - possibility to view error codes history - Wi-Fi module enables remote control of selected boiler parameters	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

- Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class (Ecocondens Crystal II Plus 25 and 35).
- Heating curve adjustment from the room regulator position with no need to enter the boiler's "service" menu.

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**




Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS CRYSTAL II PLUS**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 3/4", gaskets, copper connection pipes with nuts	
T 9425 00 00 00	Bottom cover	Bottom cover dedicated to ECOCONDENS CRYSTAL II PLUS Dimensions: W=400mm x H=150mm x D=215mm	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS CRYSTAL II PLUS\***

Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	



\* for complete offer of air/flue-gas systems see pages 96-115



## Ecocondens Silver

- additional insulating fabric provides low level of sound power
- high level of water flow (up to 19 dm<sup>3</sup>/min)
- built-in coaxial adapter Ø60/Ø100 with measuring points
- remote control via Wi-Fi regulators TERMET ST-2801 Wi-Fi
- possibility to connect regulators with On/Off and Open-Therm communication protocol
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (12%-100%)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- **environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)



		SYSTEM BOILERS			COMBI BOILERS		
TECHNICAL FEATURES		20	25	35	20	25	35
	CH circuit						
	Seasonal space heating energy efficiency class	A	A	A	A	A	A
	Heat output	20 kW	24 kW	35 kW	20 kW	24 kW	35 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	95 %	93 %	95 %	95 %	93 %	95 %
	Annual energy consumption ( $Q_{HE}$ )	39,1 GJ	48,07 GJ	68,17 GJ	39,08 GJ	48,07 GJ	68,17 GJ
	Heat output (at temp. 50/30°C)	3,0-22,0 kW	4,3-26,5 kW	4,5-38,2 kW	3,0-22,0 kW	4,3-26,5 kW	4,5-38,2 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~109 %	~109 %	~108 %	~109 %	~109 %
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	Expansion vessel capacity	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>
	DHW circuit						
	Water heating energy efficiency class	-	-	-	A	A	A
	Declared load profile	-	-	-	L	L	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	-	-	80 %	80 %	83 %
	Heat output (at temp. 80/60°C)	-	-	-	2,7-25,0 kW	3,9-30,0 kW	4,1-40,0 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	-	-	12,0 dm <sup>3</sup> /min	14,0 dm <sup>3</sup> /min	19,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	-	-	12 GJ	12 GJ	19 GJ
	Sound power level $L_{wa}$	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB
Emission of NO <sub>x</sub>		21 mg/kWh	24 mg/kWh	29 mg/kWh	21 mg/kWh	24 mg/kWh	29 mg/kWh
Chimney duct connection		Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm					
Power supply		~230 V					
Height x width x depth		785 x 400 x 334 mm					
Weight		33,0 kg	34,0 kg	36,0 kg	33,0 kg	34,5 kg	38,0 kg

### WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 4401 00 00 00/XX	ECOCONDENS SILVER-20	785x400x334 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4361 00 00 00/XX	ECOCONDENS SILVER-25	785x400x334 mm	4,3-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4441 00 00 00/XX	ECOCONDENS SILVER-35	785x400x334 mm	4,5-38,2 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30






### WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 4391 00 00 00/XX	ECOCONDENS SILVER-20	785x400x334 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4351 00 00 00/XX	ECOCONDENS SILVER-25	785x400x334 mm	4,3-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4431 00 00 00/XX	ECOCONDENS SILVER-35	785x400x334 mm	4,5-38,2 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1




\*\* Heat output at 50/30°C

**ROOM TEMPERATURE REGULATORS WITH OPEN-THERM COMMUNICATION PROTOCOL**








Catalogue number	Trade name	Description	Picture
T 9655 00 00 00/PL	EASY REMOTE	- wire, power supply with 2 x AA 1.5 V batteries - easy to use LCD display - remote weekly programming of boiler parameters - control of tank water temperature and tank operating time - possibility to view error codes history	
WKZ 0624 00 00 00	CR 11011	- wire, power supply with 2 x AA 1.5 V batteries - seven buttons, LCD display indicating time, date, current temperature and current program of the day - remote weekly programming of boiler parameters - control of tank water temperature and tank operating time - possibility to view error codes history	
T 9612 00 00 00	TERMET ST-2801	- wire, power supply: 230V/50Hz - touch screen colour display - remote weekly programming of boiler parameters	
T 9615 00 00 00	TERMET ST-2801 WI-FI	- control of tank water temperature and tank operating time - possibility to view error codes history - Wi-Fi module enables remote control of selected boiler parameters	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

- Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class (Ecocondens Silver 20 and 35).
- Heating curve adjustment from the room regulator position with no need to enter the boiler's "service" menu.

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**





Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS SILVER**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, gaskets, copper connection pipes nuts	
T 9424 00 00 00	Bottom cover	Bottom cover dedicated to ECOCONDENS SILVER Dimensions: W=400mm x H=150mm x D=220mm	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS SILVER\***

Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 mm to 2x Ø80	
T 9000 04 02 98	Set of adapters Ø80	Set of two air/flue-gas adapters 2x Ø80 with measuring points	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

**03.**

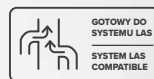
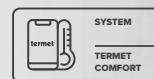
# **Wall mounted gas condensing boilers - COMFORT line**







## Euro Comfort

- built-in coaxial adapter Ø60/Ø100 with measuring points
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (12%-100%)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- **environmentally friendly: low level of NOx emission (6th class)**
- complete system of protection
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/ or i-3 PLUS zone manager
- possibility to connect regulators with On/Off, 0-10V and Open-Therm communication protocol
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- cooperates with MX1 extension module (for complete offer see pages 50-51)



		SYSTEM BOILERS			COMBI BOILERS		
TECHNICAL FEATURES		20	25	35	20/25	25/30	35/40
	CH circuit	Seasonal space heating energy efficiency class			A	A	A
	Heat output	20 kW	24 kW	34,5 kW	20 kW	24 kW	34,5 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	94 %	95 %	94 %	94 %	95 %	94 %
	Annual energy consumption ( $Q_{HP}$ )	39,8 GJ	47,0 GJ	68,4 GJ	39,8 GJ	47,0 GJ	68,4 GJ
	Heat output (at temp. 50/30°C)	3,8-22,1 kW	4,1-26,5 kW	6,0-38,0 kW	3,8-22,1 kW	4,1-26,5 kW	6,0-38,0 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %	~108 %	~108 %	~108 %	~108 %
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	DHW circuit	Water heating energy efficiency class			A	A	A
	Declared load profile	-	-	-	L	XL	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	-	-	80 %	83 %	83 %
	Heat output (at temp. 80/60°C)	-	-	-	25,0 kW	30,0 kW	40,0 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	-	-	12,0 dm <sup>3</sup> /min	14,0 dm <sup>3</sup> /min	19,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	-	-	12 GJ	19 GJ	19 GJ
	Sound power level $L_{wa}$	48 dB	49 dB	51 dB	48 dB	49 dB	51 dB
	Emission of NO <sub>x</sub>	27 mg/kWh	18 mg/kWh	23 mg/kWh	27 mg/kWh	18 mg/kWh	23 mg/kWh
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm					
	Power supply	~230 V					
	Height x width x depth	775 x 400 x 300 mm					
	Weight						

### WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 5521 00 00 00/XX2T	EURO COMFORT-20	775x400x300 mm	22,1 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 5481 00 00 00/XX2T	EURO COMFORT-25	775x400x300 mm	26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 5501 00 00 00/XX2T	EURO COMFORT-35	775x400x300 mm	38,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30






### WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 5511 00 00 00/XX2T	EURO COMFORT-20/25	775x400x300 mm	22,1 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 5471 00 00 00/XX2T	EURO COMFORT-25/30	775x400x300 mm	26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 5491 00 00 00/XX2T	EURO COMFORT-35/40	775x400x300 mm	38,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C




**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	




Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class.

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**




Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR EURO COMFORT**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 3/4", gaskets, copper connection pipes with nuts	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR EURO COMFORT\***

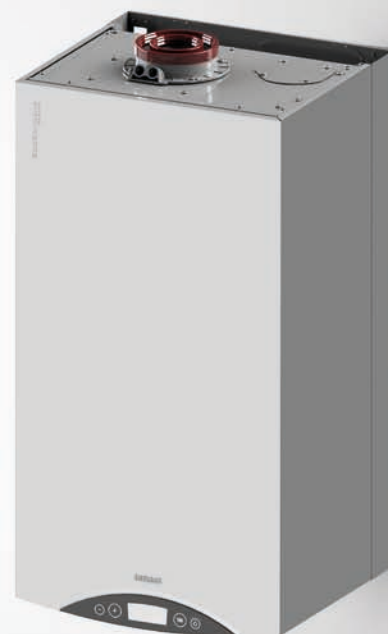
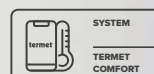
Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	



\* for complete offer of air/flue-gas systems see pages 96-115



# Ecocondens Gold Plus

- built-in coaxial adapter Ø60/Ø100 with measuring points
- modern heat exchanger made of stainless steel with burner doors made of aluminum
- new generation BLUEJET burner:
  - wide range of modulation: 11%-100%
  - improved flame detection
  - reduced pollutant emissions
- quiet operation (**sound power level of only 48 dB**)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- **environmentally friendly: low level of NOx emission (6th class)**
- complete system of protection
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/ or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)
- possibility to connect regulators with On/Off, 0-10V, Open-Therm communication
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- cooperates with MX1 extension module (for complete offer see pages 50-51)



		SYSTEM BOILERS			COMBI BOILERS		
TECHNICAL FEATURES		20	25	32	20/20	25	32/35
	Seasonal space heating energy efficiency class	A	A	A	A	A	A
	Heat output	19 kW	24 kW	31 kW	19 kW	24 kW	31 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	94 %	94 %	94 %	94 %	94 %	94 %
	Annual energy consumption ( $Q_{HE}$ )	37,58 GJ	48,49 GJ	61,93 GJ	37,58 GJ	48,49 GJ	61,93 GJ
	Heat output (at temp. 50/30°C)	3,4-21,0 kW	3,0-27,0 kW	4,5-34,6 kW	3,4-21,0 kW	3,0-27,0 kW	4,5-34,6 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %	~108 %	~108 %	~108 %	~108 %
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	Expansion vessel capacity	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>
	Water heating energy efficiency class	-	-	-	A	A	A
	Declared load profile	-	-	-	L	L	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	-	-	82 %	81 %	84 %
	Heat output (at temp. 80/60°C)	-	-	-	3,0-19,1 kW	2,8-26,6 kW	4,1-35,3 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	-	-	9,0 dm <sup>3</sup> /min	13,0 dm <sup>3</sup> /min	17,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	-	-	12 GJ	12 GJ	18 GJ
	Sound power level $L_{wa}$	46 dB	48 dB	48 dB	46 dB	48 dB	48 dB
Emission of NO <sub>x</sub>		40 mg/kWh	43 mg/kWh	45 mg/kWh	40 mg/kWh	43 mg/kWh	45 mg/kWh
Chimney duct connection		Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm					
Power supply		~230 V					
Height x width x depth		750 x 400 x 349 mm					
Weight		34,0 kg	33,0 kg	36,0 kg	34,0 kg	33,0 kg	36,0 kg

## WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 4601 00 00 00/XX2	ECOCONDENS GOLD PLUS-20	750x400x349 mm	3,4-21,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4621 00 00 00/XX	ECOCONDENS GOLD PLUS-25	750x400x349 mm	3,0-27,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 4641 00 00 00/XX2	ECOCONDENS GOLD PLUS-32	750x400x349 mm	4,5-34,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

## WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 4591 00 00 00/XX2	ECOCONDENS GOLD PLUS-20/20	750x400x349 mm	3,4-21,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4611 00 00 00/XX	ECOCONDENS GOLD PLUS-25	750x400x349 mm	3,0-27,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 4631 00 00 00/XX2	ECOCONDENS GOLD PLUS-32/35	750x400x349 mm	4,5-34,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C

**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class.

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS GOLD PLUS**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 3/4", gaskets, copper connection pipes with nuts	
T 9423 00 00 00	Bottom cover	Bottom cover dedicated to ECOCONDENS GOLD PLUS Dimensions: W=400mm x H=150mm x D=210mm	

\* for complete offer of hydraulic separators see pages 76-77

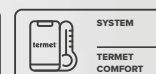
**AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS GOLD PLUS\***



Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 98	Set of adapters Ø80	Set of two air/flue-gas adapters 2x Ø80 with measuring points	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

## Ecocondens Nex

- built-in coaxial adapter Ø60/Ø100 with measuring points
- modern heat exchanger made of stainless steel-zirconium with high resistance to corrosion and calcification
- new generation CERAMAT burner made of ceramic fibre with wide range of modulation that allows optimisation of combustion process and gas savings
- additional sound-proofing system based on modern sound-absorbing materials allows quiet operation - **sound power level of only 37 dB** (refers to 24,28, 24/30kW boilers)
- expansion vessel (8 dm<sup>3</sup>) on the side
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- **environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)
- possibility to connect regulators with On/Off, 0-10V, Open-Therm communication
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- cooperates with MX1 extension module (for complete offer see pages 50-51)



TECHNICAL FEATURES		SYSTEM BOILERS			COMBI BOILERS	
		24	28	32	24/30	28/35
	CH circuit					
	Seasonal space heating energy efficiency class	A	A	A	A	A
	Heat output	24 kW	28 kW	32 kW	24 kW	28 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	96 %	94 %	95 %	96 %	94 %
	Annual energy consumption ( $Q_{HE}$ )	46,70 GJ	55,30 GJ	62,80 GJ	46,70 GJ	55,30 GJ
	Heat output (at temp. 50/30°C)	3,5-26,5 kW	3,9-31,1 kW	3,9-35,3 kW	3,5-26,5 kW	3,9-31,1 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %	~108 %	~108 %	~108 %
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	DHW circuit					
	Water heating energy efficiency class	-	-	-	A	A
	Declared load profile	-	-	-	L	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	-	-	82 %	84 %
	Heat output (at temp. 80/60°C)	-	-	-	3,1-29,9 kW	3,5-35,2 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	-	-	14,0 dm <sup>3</sup> /min	17,0 dm <sup>3</sup> /min
	Annual fuel consumption (AFC)	-	-	-	12 GJ	18 GJ
	Sound power level $L_{wa}$	37 dB	37 dB	46 dB	37 dB	48 dB
	Emission of NO <sub>x</sub>	47 mg/kWh	40 mg/kWh	44 mg/kWh	47 mg/kWh	40 mg/kWh
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm				
	Power supply	~230 V				
	Height x width x depth	767 x 450 x 350 mm				
	Weight	50,5 kg			52,5 kg	55,0 kg

### WALL MOUNTED GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 5621 00 00 00/XX	ECOCONDENS NEX-24	767x450x350 mm	3,5-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 5631 00 00 00/XX	ECOCONDENS NEX-28	767x450x350 mm	3,9-31,1 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 5641 00 00 00/XX	ECOCONDENS NEX-32	767x450x350 mm	3,9-35,3 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

### WALL MOUNTED GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 5601 00 00 00/XX	ECOCONDENS NEX-24/30	767x450x350 mm	3,5-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 5611 00 00 00/XX	ECOCONDENS NEX-28/35	767x450x350 mm	3,9-31,1 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C

**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class.

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS NEX**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2", gaskets, copper connection pipes with nuts	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS NEX\***

Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115



**04.**

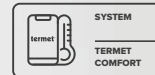
# **Gas condensing boilers with integral domestic hot water tank - COMFORT line**

---





## Integra Comfort

- built-in coaxial adapter Ø60/Ø100 with measuring points
- reliable in hot water preparation thanks to built-in efficient storage tank with capacity of 48 litres
- tank shell and coil made of stainless steel INOX
- high coil output of the tank (up to 28 kW) ensures instantaneous heating of water even at high water consumption
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (13%-100%)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- quiet operation
- **environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- anti-legionella safety function
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/ or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)
- possibility to connect regulators with On/Off, 0-10V, Open-Therm communication
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- cooperates with MX1 extension module (for complete offer see pages 50-51)



### COMBI BOILERS

TECHNICAL FEATURES		16	20	25
	CH circuit			
	Seasonal space heating energy efficiency class	A	A	A
	Heat output	16 kW	20 kW	25 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	95 %	94 %	94 %
	Annual energy consumption ( $Q_{HE}$ )	29,3 GJ	35,6 GJ	44,4 GJ
	Heat output (at temp. 50/30°C)	3,6-17,6 kW	3,6-22,6 kW	3,6-26,7 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~109 %	~109 %	~109 %
	Max. water pressure	3 bar	3 bar	3 bar
	Expansion vessel capacity	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>
	DHW circuit			
	Water heating energy efficiency class	A	A	A
	Declared load profile	XL	XL	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	83 %	88 %	87 %
	Heat output (at temp. 80/60°C)	3,3-20,9 kW	3,3-25,6 kW	3,3-30,4 kW
	Water flow at $\Delta t=30^\circ\text{C}$	9,5 dm <sup>3</sup> /min	12,2 dm <sup>3</sup> /min	14,5 dm <sup>3</sup> /min
	Coil power	28 kW	28 kW	28 kW
	Tank capacity	48 dm <sup>3</sup>	48 dm <sup>3</sup>	48 dm <sup>3</sup>
	Expansion vessel capacity	3 dm <sup>3</sup>	3 dm <sup>3</sup>	3 dm <sup>3</sup>
	Max. water pressure	6 bar	6 bar	6 bar
	Annual fuel consumption (AFC)	19 GJ	18 GJ	18 GJ
	Sound power level $L_{wa}$	46 dB	45 dB	49 dB
	Emission of NO <sub>x</sub>	26 mg/kWh	26 mg/kWh	32 mg/kWh
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm		
	Power supply	~230 V		
	Height x width x depth	937 x 690 x 410 mm		
	Weight	67,0 kg	67,0 kg	67,0 kg






### WALL MOUNTED GAS CONDENSING BOILERS WITH INTEGRAL DOMESTIC HOT WATER TANK

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 6241 00 00 00/XX1	INTEGRA COMFORT 16	937x690x410 mm	3,6-17,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 6231 00 00 00/XX1	INTEGRA COMFORT 20	937x690x410 mm	3,6-22,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 6221 00 00 00/XX1	INTEGRA COMFORT 25	937x690x410 mm	3,6-26,7 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C




**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	




Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class.

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**



Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS INTEGRA COMFORT**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
WKZ 1960 60 00 00	Connection set	Connection set (angular ball valves) dedicated to INTEGRA COMFORT Components: 1 gas valve, 2 water valves, 3 water valves with filter	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR INTEGRA COMFORT\***

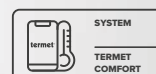
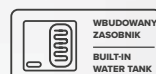
Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115





## Solid Comfort

- built-in coaxial adapter Ø60/Ø100 with measuring points
- reliable in hot water preparation thanks to built-in efficient storage tank with capacity of 107 litres
- tank shell and coil made of stainless steel INOX
- high coil output of the tank (up to 30 kW) ensures instantaneous heating of water even at high water consumption
- modern heat exchanger:
  - single spacious coil made of stainless steel
  - resistant to dirt accumulation
  - low hydraulic resistance
- new generation burner provides wide range of modulation (13%-100%)
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- quiet operation
- environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- complete system of protection
- anti-legionella safety function
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77) and/ or i-3 PLUS zone manager (for complete offer of zone managers see pages 55,57)
- possibility to connect regulators with On/Off, 0-10V, Open-Therm communication
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- cooperates with MX1 extension module (for complete offer see pages 50-51)



COMBI BOILERS

TECHNICAL FEATURES		20	25	35
	CH circuit			
	Seasonal space heating energy efficiency class	A	A	A
	Heat output	20 kW	24 kW	35 kW
	Seasonal space heating energy efficiency [ $\eta_s$ ]	94 %	93 %	94 %
	Annual energy consumption ( $Q_{HE}$ )	35,8 GJ	42,7 GJ	60,5 GJ
	Heat output (at temp. 50/30°C)	3,8-22,2 kW	3,8-26,7 kW	5,0-39,0 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %	~109 %
	Max. water pressure	3 bar	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	DHW circuit			
	Water heating energy efficiency class	A	A	A
	Declared load profile	XL	XL	XL
	Water heating energy efficiency [ $\eta_{wh}$ ]	90 %	89 %	87 %
	Heat output (at temp. 80/60°C)	3,4-25,2 kW	3,4-30,0 kW	4,1-32,4 kW
	Water flow at $\Delta t=30^\circ\text{C}$	12,0 dm <sup>3</sup> /min	14,3 dm <sup>3</sup> /min	15,4 dm <sup>3</sup> /min
	Coil power	30 kW	30 kW	30 kW
	Tank capacity	107 dm <sup>3</sup>	107 dm <sup>3</sup>	107 dm <sup>3</sup>
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	Max. water pressure	6,0 bar	6,0 bar	6,0 bar
	Annual fuel consumption (AFC)	17 GJ	17 GJ	18 GJ
	Sound power level $L_{wa}$	46 dB	49 dB	50 dB
	Emission of NO <sub>x</sub>	35 mg/kWh	35 mg/kWh	42 mg/kWh
	Chimney duct connection	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm		
	Power supply	~230 V		
	Height x width x depth	1869 x 520 x 500 mm		
	Weight	94,0 kg	94,0 kg	98,0 kg






### FLOOR STANDING GAS CONDENSING BOILERS WITH INTEGRAL DOMESTIC HOT WATER TANK

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 6271 00 00 00/XX1	SOLID COMFORT-20	1869x520x490 mm	3,0-22,0 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 6261 00 00 00/XX1	SOLID COMFORT-25	1869x520x490 mm	4,3-26,5 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKD 6281 00 00 00/XX1	SOLID COMFORT-35	1869x520x490 mm	4,5-38,2 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C




**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	





Open-Therm regulators in cooperation with outdoor temperature sensor classifies gas boiler in A+ class (Solid Comfort 20 and 35).

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**




Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR ECOCONDENS SOLID COMFORT**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
WKZ 2900 70 00 00	Left connection set	Left connection set (straight ball valves) dedicated to SOLID COMFORT Components: 1 gas valve, 4 water valves, 1 drain valve, copper connection pipes, 1 brass water filling connector, gaskets, 1 steel slat	
WKZ 2900 71 00 00	Right connection set	Right connection set (straight ball valves) dedicated to SOLID COMFORT Components: 1 gas valve, 4 water valves, 1 drain valve, copper connection pipes, 1 brass water filling connector, gaskets, 1 steel slat	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS ACCESSORIES FOR SOLID COMFORT\***

Catalogue number	Trade name	Description	Picture
T 9000 04 02 46	TWIN adapter	Air/Flue-gas separator Ø60/Ø100 to 2x Ø80	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

# 05.

# TERMET COMFORT SYSTEM





TERMET COMFORT SYSTEM - HEATING MANAGEMENT IN HEATING ZONES

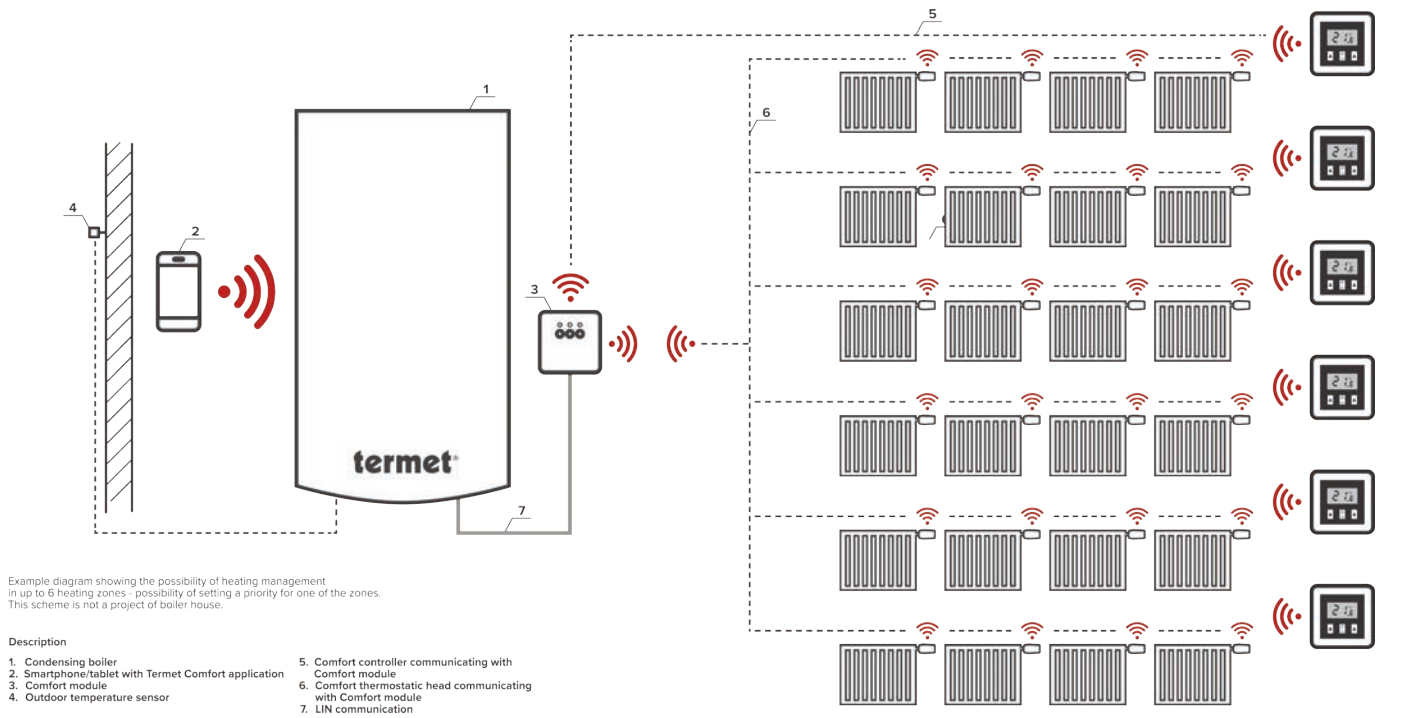
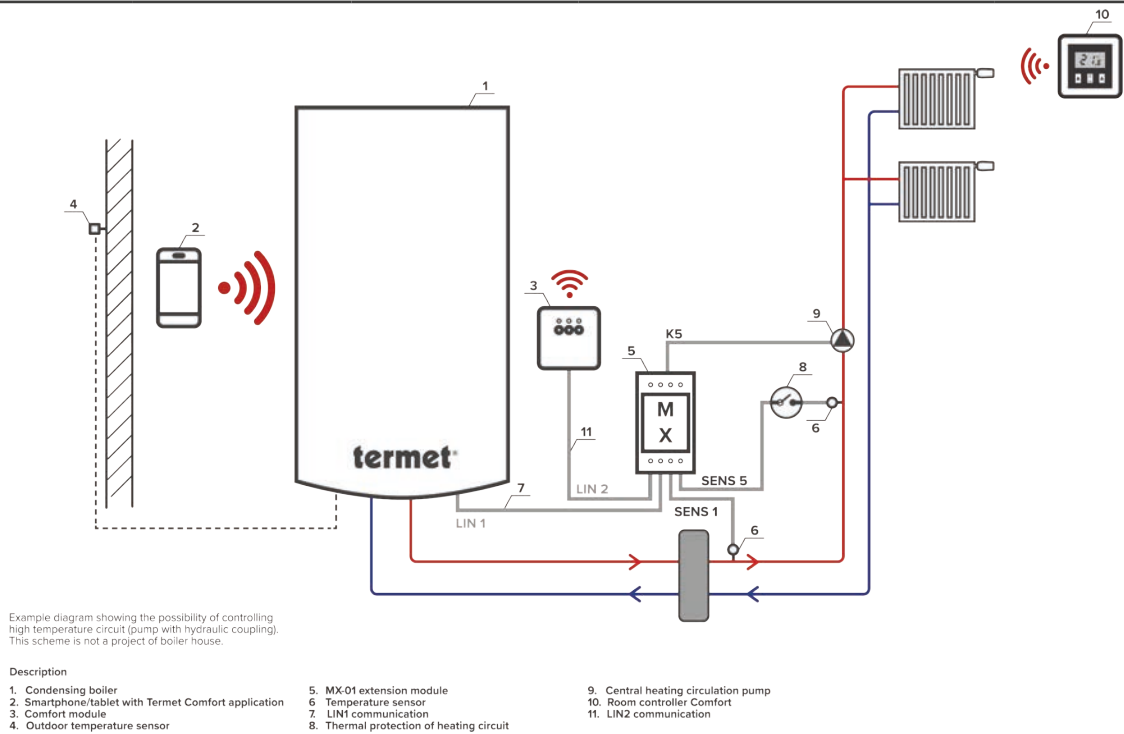










DIAGRAM WITH EXTENSION MODULE MX-01 AND TERMET COMOFRT SYSTEM



**ACCESSORIES FOR BOILERS WITH LIN INTERFACE : EURO COMFORT, ECOCONDENS GOLD PLUS, NEX, INTEGRA COMFORT, SOLID COMFORT, MINIMAX ECO**

Catalogue number	Trade name	Description	Picture
<b>T 9660 00 00 00</b>	TERMET COMFORT SYSTEM kit 	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
<b>T 9660 01 00 00</b>	TERMET COMFORT SYSTEM module 	TERMET COMFORT SYSTEM module: - independent temperature control in individual zones (rooms) - max. 6 zones - monitoring of the boiler's operating states - immediate signalling of emergency situations and boiler breaks - viewing basic operating parameters - changing the boiler's operating modes - programming of the operating cycles for hot water tank - setting the priority for one of 6 zones	
<b>T 9660 02 00 00</b>	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads. Provides information to the COMFORT module on the actual temperature in the area where it is located. COMFORT room controller is equipped with temperature sensor.	
<b>T 9661 00 00 00</b>	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head: - control the flow of heating medium depending on heat demand - remote cooperation with COMFORT room controller - includes reduction insert	
<b>T 9662 00 00 00</b>	Extension cable subassembly	Extension cable subassembly dedicated to COMFORT module	
<b>T 9663 01 00 00</b>	MX01 extension module	TERMET COMFORT SYSTEM MX01 extension module enables: - control operation of the heating water pump (pump after hydraulic coupling) - control operation of the circulating pump for domestic water supply - control operation of up to three pumps/valves by means of programmable control outputs - control the temperature after the hydraulic coupling	

# 06.

## Wall mounted high-power gas condensing boilers

---





## Ecocondens Crystal Plus-50



- modern boiler suitable for cascade systems
- cascade connection by AX1203SQ cascade manager (max. 4 boilers)
- modern heat exchanger made of stainless steel with "cold door" technology
- new generation BLUEJET burner:
  - wide range of modulation: 11%-100%
  - improved flame detection
  - reduced pollutant emissions
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- high efficiency ensures optimum gas consumption
- **environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- electronically controlled modulating fan
- complete system of protection
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- system boilers have built-in 3-way valve that ensures boiler cooperation with DHW tank (for complete offer of DHW tanks see pages 62-63)
- system boilers are equipped with tank NTC sensor
- possibility to connect regulators with On/Off and Open-Therm communication protocol
- **combi version with huge domestic hot water production: 21,5 dm<sup>3</sup>/min**



		SYSTEM BOILERS	COMBI BOILERS
TECHNICAL FEATURES		50	50
	CH circuit		
	Seasonal space heating energy efficiency class	<b>A</b>	<b>A</b>
	Heat output	45 kW	45 kW
	Seasonal space heating energy efficiency [ $\eta_{se}$ ]	91 %	91 %
	Annual energy consumption ( $Q_{HE}$ )	93,1 GJ	93,1 GJ
	Heat output (at temp. 50/30°C)	6,1-49,6 kW	6,1-49,6 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~108 %	~108 %
	Max. water pressure	3 bar	3 bar
	Expansion vessel capacity	8 dm <sup>3</sup>	8 dm <sup>3</sup>
	DHW circuit		
	Water heating energy efficiency class	-	<b>B</b>
	Declared load profile	-	XXL
	Water heating energy efficiency [ $\eta_{wh}$ ]	-	76 %
	Heat output (at temp. 80/60°C)	-	5,5-45,0 kW
	Water flow at $\Delta t=30^\circ\text{C}$	-	21,5 dm <sup>3</sup> /min
	Sound power level $L_{wh}$	69 dB	69 dB
Emission of NO <sub>x</sub>		50 mg/kWh	50 mg/kWh
Chimney duct connection		Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm	
Power supply		~230±10%V/50Hz	
Protection class		IPX4D	
Height x width x depth		730 x 400 x 440 mm	
Weight		38,0 kg	40,0 kg

### WALL MOUNTED HIGH-POWER GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 5001 00 00 00/XX	ECOCONDENS CRYSTAL PLUS-50	730x400x440 mm	6,1-49,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30

### WALL MOUNTED HIGH-POWER GAS CONDENSING COMBI BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKD 4991 00 00 00/XX	ECOCONDENS CRYSTAL PLUS-50	730x400x440 mm	6,1-49,6 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30



\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C





### AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS CRYSTAL PLUS 50

Catalogue number	Trade name	Description	Picture
T 9000 04 02 98	Set of adapters Ø80	Set of two air/flue-gas adapters 2x Ø80 with measuring points	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	
T 9000 01 35 00	Flue set Ø60/Ø100	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	




**ADDITIONAL REQUIRED ACCESSORIES TO COMBINE ECOCONDENS CRYSTAL PLUS-50 BOILERS INTO CASCADE**

Catalogue number	Trade name	Description	Picture
WKM 0623 00 00 00	AX 1203SQ cascade manager	<ul style="list-style-type: none"> <li>- cascade management of 2-4 boilers</li> <li>- cooperates with CR 11011 Open-Therm regulator</li> <li>- equipped with outdoor temperature sensor and supply temperature sensor</li> <li>- cooperates with I-3 PLUS zone manager</li> </ul>	
WKZ 0624 00 00 00	CR 11011	<ul style="list-style-type: none"> <li>- Open-Therm communication protocol</li> <li>- cooperates directly with AX 1203SQ cascade manager</li> </ul>	





**ADDITIONAL ACCESSORIES TO COMBINE ECOCONDENS CRYSTAL PLUS-50 BOILERS INTO CASCADE**

Catalogue number	Trade name	Description	Picture
T 9260 10 00 00	E.02A cascade racks	Cascade racks for 2 boilers ECOCONDENS CRYSTAL PLUS-50 Components: hydraulic coupling, return collector, supply collector, gas collector, frame	
T 9260 11 00 00	E.03A cascade racks	Cascade racks for 3 boilers ECOCONDENS CRYSTAL PLUS-50 Components: hydraulic coupling, return collector, supply collector, gas collector, frame	
T 9155 00 00 00	Hydraulic coupling	Recommended for cascades with power up to 200kW	
T 9260 12 00 00	Elbow connector	Elbow connector for water	

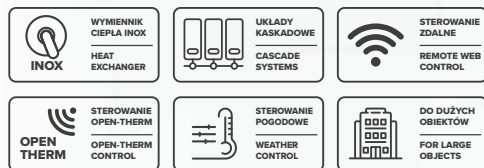
**ADDITIONAL ACCESSORIES FOR BOILER HOUSE**

Catalogue number	Trade name	Description	Picture
T 9611 00 00 00	I-3 PLUS zone manager	<ul style="list-style-type: none"> <li>- smooth control of three mixing valves</li> <li>- control of the D.H.W. pump</li> <li>- operation of the solar system</li> <li>- pump control with PWM signal</li> <li>- two 0-10V outputs</li> <li>- OPEN-THERM® communication</li> <li>- two voltage-free outputs configurable</li> <li>- two voltage outputs configurable</li> <li>- cooperation with three binary room controllers</li> <li>- cooperation with the room controller with RS communication</li> <li>- possibility of connecting Wi-Fi RS module</li> <li>- control of additional circuit by i-1m module</li> </ul>	
T 9611 01 00 00	I-1m mixing valve module	<ul style="list-style-type: none"> <li>- smooth control of three mixing valves</li> <li>- control of the D.H.W. pump</li> <li>- cooperation with I-3 PLUS controller with RS communication</li> </ul> Controller includes: <ul style="list-style-type: none"> <li>- boiler temperature sensor</li> <li>- valve temperature sensor</li> <li>- return temperature sensor</li> <li>- outside sensor</li> </ul>	
T 9611 02 00 00	Wi-Fi RS module	Remote control of zone manager I-3 PLUS operation via Internet	

**CONDENSATE NEUTRALIZERS**

Catalogue number	Trade name	Description	Picture
T 9000 04 05 32	NEUTRA 200	PP condensate neutralizers for high-power condensing boilers or cascade installations with power up to 200kW (max. condensate flow: 60l/h)	
T 9000 04 05 33	NEUTRA 350	PP condensate neutralizers for high-power condensing boilers or cascade installations with power up to 350 kW	
T 9000 04 05 55	NEUTRO 70 STALOWY	Steel condensate neutralizers for high-power condensing boilers or cascade installations with power up to 700 kW (max. condensate flow: 70l/h)	
T 9000 04 05 58	NEUTRA 5	Refillable cartridge 2 kg	
T 9000 04 05 59	NEUTRA 6	Refillable cartridge 3 kg	
T 9000 04 05 60	NEUTRA 1	Refillable cartridge 8 kg	

## Ecocondens Crystal 80, 100



- innovative heat exchanger construction (divided into two sections: top - condensing section and bottom - section where burner is located)
- wide range of modulation
- Open-Therm communication protocol
- remote control of single boiler via Wi-Fi regulators TERMET ST-2801 Wi-Fi
- complete system of protection (e.g. thermal fuse 115°C)
- small dimensions in relation to power
- high-efficiency modulating pump controlled via PWM signal (EEI≤0,23) with automatic airvent
- electronically controlled modulating fan
- **environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**
- two adapters Ø100 included
- equipped with NTC sensor of hydraulic coupling
- cooperation with ZWU-200/N Plus DHW tank (for complete offer of DHW tanks see pages 62-63)
- possibility to control additional heating circuits via i-3 PLUS zone manager and remote monitoring of the system via Wi-Fi RS module (for complete offer of zone managers see pages 55,57)

\* Possibility to combine ECOCONDENS CRYSTAL 80 and ECOCONDENS CRYSTAL 100 boilers into cascade (up to 6 units). **Control panel with cascade manager function.**

### SYSTEM BOILERS

TECHNICAL FEATURES		80	100
	CH circuit		
	Heat output	80 kW	100 kW
	Heat output (at temp. 50/30°C)	19,0-88,0 kW	19,0-110,0 kW
	Useful boiler efficiency at partial heat output and return water temperature 30°C	~107 %	~107 %
	Emission of NO <sub>x</sub>	≤50 mg/kWh	≤50 mg/kWh
	Max. water pressure	4 bar	4 bar
	Sound power level L <sub>wa</sub>	62 dB	65 dB
	Power supply	~230±10%V/50Hz	~230±10%V/50Hz
	Protection class	IPX4D	IPX4D
	Height x width x depth	810x540x545 mm	810x540x545 mm
	Weight	84,0 kg	84,0 kg

### WALL MOUNTED HIGH-POWER GAS CONDENSING SYSTEM BOILERS

Catalogue number*	Trade name	Dimensions	Power**	Gas type	Available for other gases
WKJ 5191 00 00 00/XX1T	ECOCONDENS CRYSTAL-80	810x540x545 mm	19-88 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30
WKJ 5141 00 00 00/XX1T	ECOCONDENS CRYSTAL-100	810x540x545 mm	19-110 kW	2H-G20	3P-G31, 3B-G30, 3P/B-G30










\* XX - country of destination code according to PN-EN ISO 3166-1

\*\* Heat output at 50/30°C




### ACCESSORIES FOR ECOCONDENS CRYSTAL-80, ECOCONDENS CRYSTAL-100

Catalogue number	Trade name	Description	Picture
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	
WKZ 0624 00 00 00	CR 11011	<ul style="list-style-type: none"> <li>- Open-Therm communication protocol</li> <li>- wire, power supply with 2 x AA 1.5 V batteries</li> <li>- seven-button LCD display indicating time, date, current temperature and current program of the day</li> <li>- remote weekly programming of boiler parameters</li> <li>- control of tank water temperature and tank operating time</li> <li>- possibility to view error codes history</li> </ul>	
T 9615 00 00 00	TERMET ST-2801 Wi-Fi	<ul style="list-style-type: none"> <li>- wire, power supply: 230V/50Hz</li> <li>- touch screen colour display</li> <li>- remote weekly programming of boiler parameters</li> <li>- control of tank water temperature and tank operating time</li> <li>- possibility to view error codes history</li> <li>- enables remote control of selected boiler parameters</li> </ul>	
WKZ 5140 12 00 00	3-way valve G1"	3-way valve G1" (230V) dedicated to ECOCONDENS CRYSTAL-80 and ECOCONDENS CRYSTAL-100	
WKC 5140 00 00 91	NTC sensor 12kΩ	NTC sensor (12kΩ) for domestic hot water tank	





**ADDITIONAL ACCESSORIES TO COMBINE ECOCONDENS CRYSTAL-80 AND ECOCONDENS CRYSTAL-100 BOILERS INTO CASCADE**

Catalogue number	Trade name	Description	Picture
T9E.02.00.00.D	E.02D cascade racks	Cascade racks for 2 boilers ECOCONDENS CRYSTAL-80 or ECOCONDENS CRYSTAL-100	
T9E.03.00.00.D	E.03D cascade racks	Cascade racks for 3 boilers ECOCONDENS CRYSTAL-80 or ECOCONDENS CRYSTAL-100	
T9E.02.01.00.D	Gas collector	Gas collector DN65 for cascade consisting of 2 boilers ECOCONDENS CRYSTAL-80 or ECOCONDENS CRYSTAL-100	
T9E.03.01.00.D	Gas collector	Gas collector DN65 for cascade consisting of 3 boilers ECOCONDENS CRYSTAL-80 or ECOCONDENS CRYSTAL-100	
T9E.00.03.00.D	Elbow connector	Elbow connector DN65 for gas	
T9E.00.04.00.D	Elbow connector	Elbow connector DN100 for water (2 pcs.)	
T9E.00.05.00.D	Straight connector	Straight connector DN65 for gas	
T9E.00.01.00.D	Hydraulic coupling	Hydraulic coupling DN100 with power up to 300kW recommended for cascades consisting of 2 to 3 boilers	
T9E.00.02.00.D	Hydraulic coupling	Hydraulic coupling DN100 with power up to 600kW recommended for cascades consisting of 4 to 6 boilers	

**ADDITIONAL ACCESSORIES FOR BOILER HOUSE**

Catalogue number	Trade name	Description	Picture
T 9611 00 00 00	I-3 PLUS zone manager	<ul style="list-style-type: none"> <li>- smooth control of three mixing valves</li> <li>- control of the D.H.W. pump</li> <li>- operation of the solar system</li> <li>- pump control with PWM signal</li> <li>- two 0-10V outputs</li> <li>- OPEN-THERM® communication</li> <li>- two voltage-free outputs configurable</li> <li>- two voltage outputs configurable</li> <li>- cooperation with three binary room controllers</li> <li>- cooperation with the room controller with RS communication</li> <li>- possibility of connecting Wi-Fi RS module</li> <li>- control of additional circuit by i-1m module</li> </ul>	
T 9611 01 00 00	I-1m mixing valve module	<ul style="list-style-type: none"> <li>- smooth control of three mixing valves</li> <li>- control of the D.H.W. pump</li> <li>- cooperation with i-3 PLUS controller with RS communication</li> </ul> Controller includes: <ul style="list-style-type: none"> <li>- boiler temperature sensor</li> <li>- valve temperature sensor</li> <li>- return temperature sensor</li> <li>- outside sensor</li> </ul>	
T 9611 02 00 00	Wi-Fi RS module	Remote control of zone manager i-3 PLUS operation via Internet	

**CONDENSATE NEUTRALIZERS**


Catalogue number	Trade name	Description	Picture
T 9000 04 05 32	NEUTRA 200	PP condensate neutralizers for high-power condensing boilers or cascade installations with power up to 200kW (max. condensate flow: 60l/h)	
T 9000 04 05 33	NEUTRA 350	PP condensate neutralizers for high-power condensing boilers or cascade installations with power up to 350 kW	
T 9000 04 05 55	NEUTRO 70	Steel condensate neutralizers for high-power condensing boilers or cascade installations with power up to 700 kW (max. condensate flow: 70l/h)	
T 9000 04 05 58	NEUTRA 5	Refillable cartridge 2 kg	
T 9000 04 05 59	NEUTRA 6	Refillable cartridge 3 kg	
T 9000 04 05 60	NEUTRA 1	Refillable cartridge 8 kg	




# Cascade systems

Cascade systems are a complete offer for medium and large boiler houses


- possibility of boilers combine:
  - max. 6 boilers ECOCONDENS CRYSTAL-80 and ECOCONDENS CRYSTAL-100
  - max. 4 boilers ECOCONDENS CRYSTAL PLUS-50 via AX 1203SQ cascade manager and CR 11011 regulator
- racks and connecting elements enable a reliable and quick connection of boilers to the heating system (for complete offer see pages 55 and 57)
- wide range of air/flue-gas cascade systems and individual components (for complete offer of air/flue-gas systems see pages 96-115)
- additional automatics allows control of independent heating systems and remote monitoring of the system (for complete offer see pages 55 and 57) - for exemplary diagrams of cascade systems see page 59




WYMIENNIK  
CIEPŁA INOX  
HEAT  
EXCHANGER




UKŁADY  
KASKADOWE  
CASCADE  
SYSTEMS




STEROWANIE  
ZDALNE  
REMOTE WEB  
CONTROL



STEROWANIE  
OPEN-THERM  
OPEN-THERM  
CONTROL

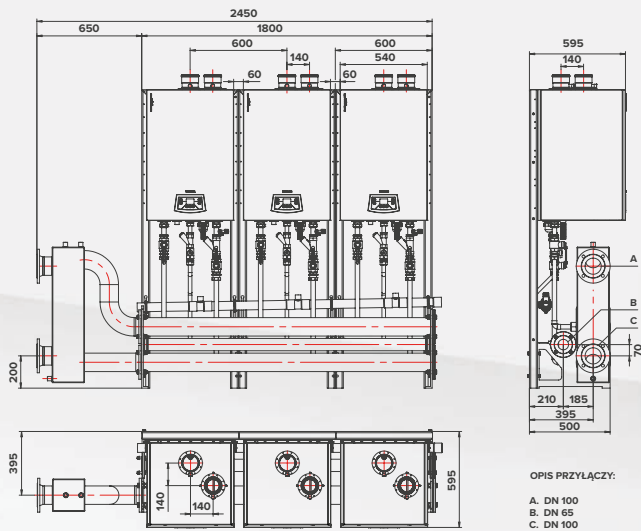


STEROWANIE  
POGODOWE  
WEATHER  
CONTROL



DO DUŻYCH  
OBIEKTÓW  
FOR LARGE  
OBJECTS

## DIMENSIONS



## STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER UP TO 55KW (SEPARATE SYSTEM)\*

Catalogue number	Description
T 9000 04 05 19	Flue gas set for 2 boilers working in cascade Ø130
T 9000 04 05 20	Flue gas set for 2 boilers working in cascade Ø150
T 9000 04 05 25	Flue gas set for 3 boilers working in cascade Ø180
T 9000 04 05 26	Flue gas set for 3 boilers working in cascade Ø200

Picture



## STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER ABOVE 55KW (COAXIAL SYSTEM)\*

Catalogue number	Description
T 9000 04 04 01	Flue gas set for 2 boilers working in cascade Ø150/Ø200 (outputs: Ø80/Ø125)
T 9000 04 04 04	Flue gas set for 3 boilers working in cascade Ø180/Ø250 (outputs: Ø80/Ø125)
T 9000 04 04 13	Flue gas set for 4 boilers working in cascade Ø250/Ø350 (outputs: Ø80/Ø125)

Picture



## STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER ABOVE 55KW (SEPARATE SYSTEM)\*

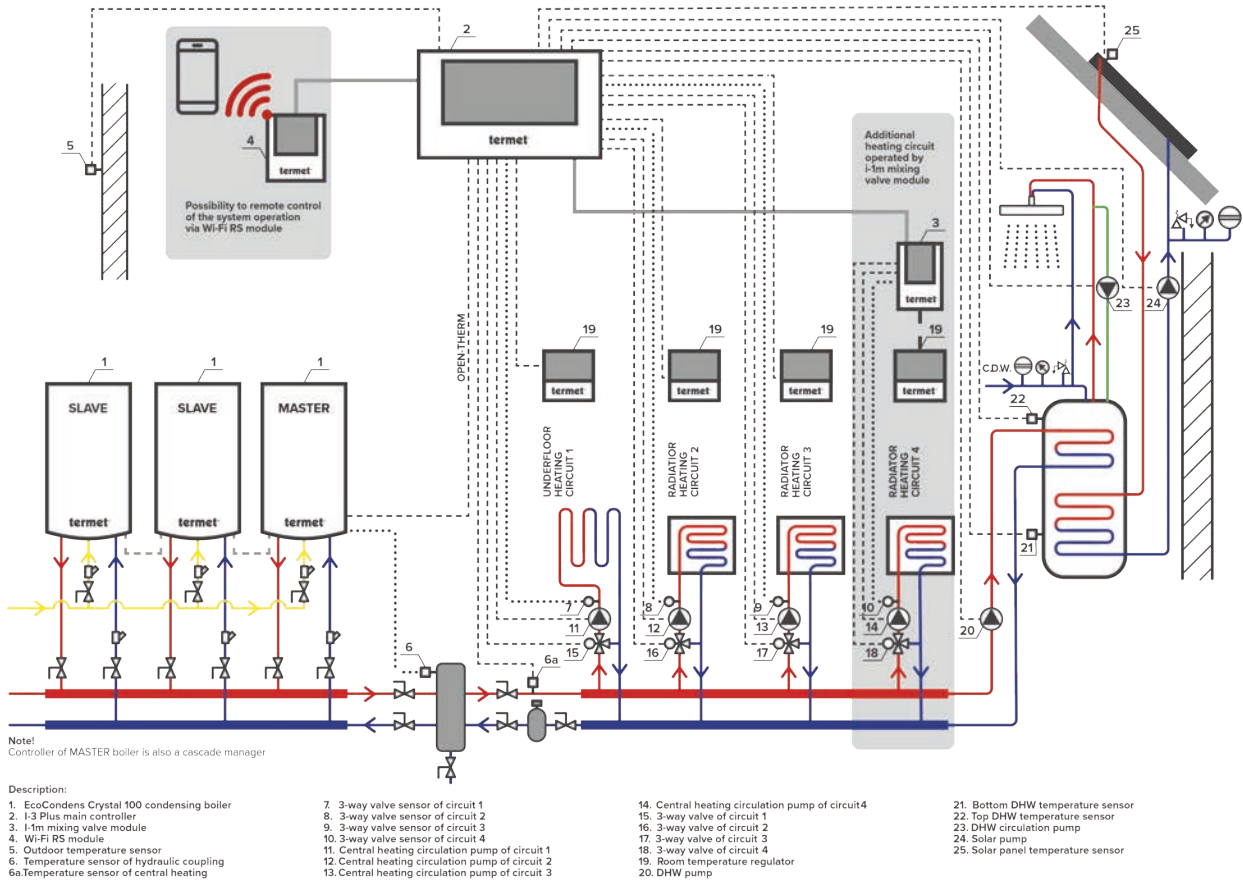
Catalogue number	Description
T 9000 04 05 08	Flue gas set for 2 boilers working in cascade Ø150
T 9000 04 05 10	Flue gas set for 3 boilers working in cascade Ø180
T 9000 04 05 12	Flue gas set for 4 boilers working in cascade Ø200
T 9000 04 05 14	Flue gas set for 5 boilers working in cascade Ø250
T 9000 04 05 17	Flue gas set for 6 boilers working in cascade Ø300

Picture



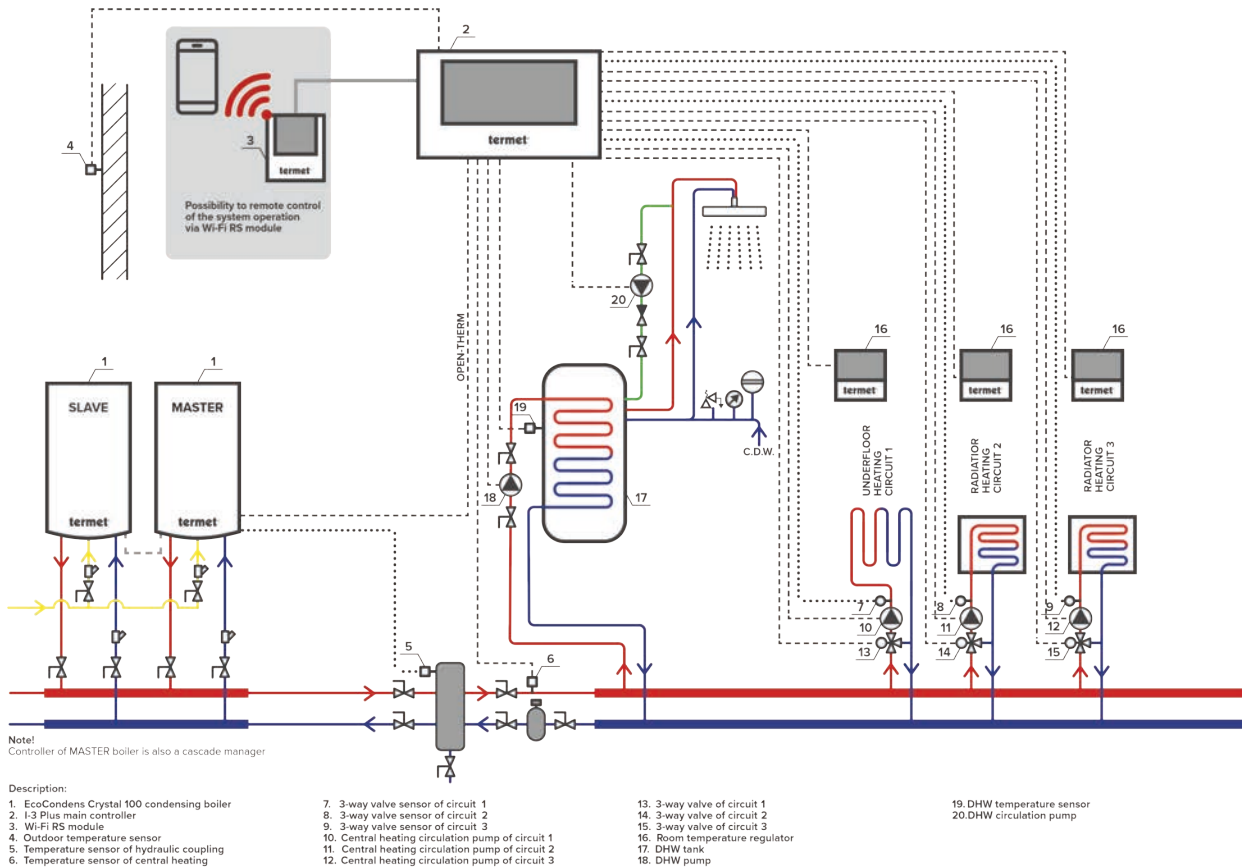
\* for complete offer of air/flue-gas systems see pages 96-115

EXEMPLARY DIAGRAM PRESENTING POSSIBILITIES OF I-3 PLUS CONTROLLER - BOILER HOUSE WITH SOLAR SYSTEM



This scheme is not a project of boiler house.

EXEMPLARY DIAGRAM PRESENTING POSSIBILITIES OF I-3 PLUS CONTROLLER - BOILER HOUSE WITH DHW TANK



This scheme is not a project of boiler house.

# 07.

## Domestic hot water tanks




---




**TERMET SG PLUS AND ZWU-200/N PLUS DOMESTIC HOT WATER TANKS (ENAMELLED) EQUIPPED WITH SPIGOT FOR ELECTRIC HEATER**

- 6-year warranty according to warranty conditions
- energy efficiency class: **A**
- tank made of steel sheet covered on the inside with a layer of special ceramic enamel that protects against corrosion and ensures good quality of heated water
- built-in magnesium anode to prevent tank corrosion
- safety valve included
- suitable for maximum water pressure of 0,6 MPa (6 bar)
- shell made of thin steel sheet covered with powder paint
- tank is equipped with connection spigot for mounting EJK mini electric heater



Picture	Catalogue number	Trade name	Capacity [dm <sup>3</sup> ]
	T 9782 00 00 00/G	TERMET SG Plus 100	100
	T 9287 00 00 00/G	TERMET SG Plus 120	120
	T 9288 00 00 00/G	TERMET SG Plus 140	140
	T 9281 00 00 00/G	ZWU-200/N Plus	200

**ELECTRIC HEATERS FOR TERMET SG PLUS I ZWU-200/N PLUS TANKS**


Picture	Catalogue number	Trade name	Power
	T 9782 01 00 00	EJK mini - 1500	1,5 kW
	T 9782 02 00 00	EJK mini - 2000	2,0 kW
	T 9782 03 00 00	EJK mini - 3000	3,0 kW



**SWK DOMESTIC HOT WATER TANKS\* (ENAMELLED) EQUIPPED WITH SPIGOT FOR ELECTRIC HEATER**


- 6-year warranty according to warranty conditions
- energy efficiency class: **A**
- high quality workmanship
- very good thermal insulation
- built-in magnesium anode to prevent tank corrosion
- suitable for maximum water pressure of 0,6 MPa (6 bar)
- connection spigots on the top of the tank
- built-in drain spigot at the bottom of the tank
- tank is equipped with connection spigot for mounting GRW electric heater



Picture	Catalogue number	Trade name	Capacity [dm <sup>3</sup> ]
	<b>T 9297 00 00 00</b>	TERMET SWK-100	100
	<b>T 9298 00 00 00</b>	TERMET SWK-120	120
	<b>T 9299 00 00 00</b>	TERMET SWK-140	140

\*SWK tanks are not equipped with safety valve.

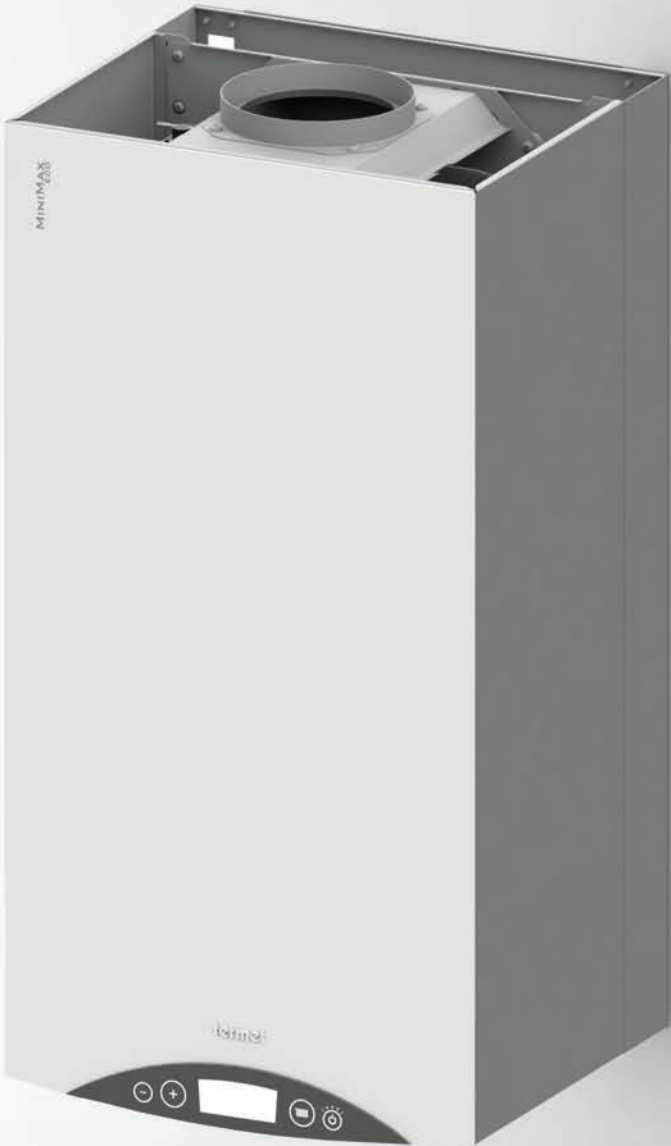
**ELECTRIC HEATERS FOR SWK TANKS**

Picture	Catalogue number	Trade name	Power
	<b>T 9297 90 00 00</b>	GRW-1.4	1,4 kW
	<b>T 9297 91 00 00</b>	GRW-2.0	2,0 kW
	<b>T 9297 92 00 00</b>	GRW-3.0	3,0 kW

**08.**

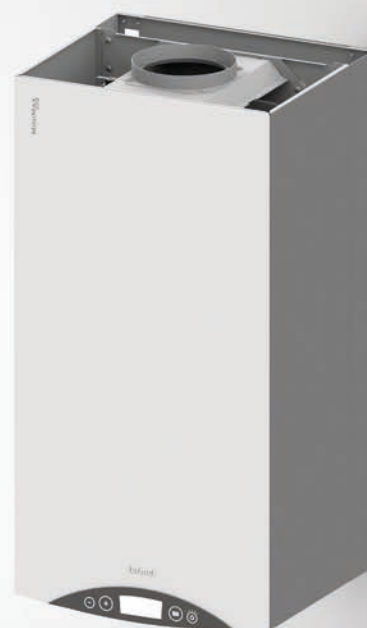
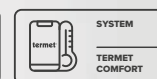
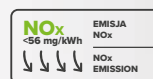
# **Gas boilers with open combustion chamber - EcoDesign (ErP2018)**

---





## MiniMax Eco

- boiler is equipped with two heat exchangers: main copper heat exchanger for central heating purposes and additional stainless steel plate heat exchanger for hot water purposes
- compact size: 700 mm x 360 mm x 300 mm
- open circuit operation possible by using open circuit kit (see page 67)
- complete system of protection, including protection against lack of chimney draught, against possibility of blocking the pump
- high-efficiency modulating pump controlled via PWM signal ( $EEL \leq 0,23$ ) with automatic airvent
- protection class IPX4D
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- connection to chimney duct Ø130 mm (110 mm option)
- environmentally friendly: low level of NO<sub>x</sub> emission (6th class)**



### COMBI BOILERS


TECHNICAL FEATURES		13/22	22/22
	CH circuit		
	Seasonal space heating energy efficiency class	B	B
	Heat output	13 kW	22 kW
	Boiler efficiency	94,3%	93,8%
	Max. water pressure	3 bar	3 bar
	Max. temperature of central heating	95°C	95°C
	Adjusted temperature	40-85°C	40-85°C
	DHW circuit		
	Water heating energy efficiency class	A	A
	Declared load profile	L	L
	Water heating energy efficiency [ $\eta_{wh}$ ]	76%	76%
	Heat output (at temp. 80/60°C)	22 kW	22 kW
	Range of water temperature	30-60°C	30-60°C
	Water pressure	0,1-6,0 bar	0,1-6,0 bar
	Type of heat exchanger in DHW circuit	plate	plate
	Sound power level $L_{wa}$	47 dB	55 dB
	Connection to chimney duct	Ø 130 mm (110 mm option)	Ø 130 mm (110 mm option)
	Emission of NO <sub>x</sub>	38 mg/kWh	38 mg/kWh
	Height x width x depth	700x360x300 mm	700x360x300 mm
	Weight	26 kg	26 kg

### COMBI GAS BOILERS WITH OPEN COMBUSTION CHAMBER






Catalogue number*	Trade name	Dimensions	Power	Gas type	Available for other gases
WKD 5321 00 00 00/XX1	MiniMax Eco	700x360x300 mm	7-13 kW (CH) 7-22 kW (DHW)	2H-G20	3P-G31
WKD 4341 00 00 00/XX1	MiniMax Eco	700x360x300 mm	7-22 kW (CH) 7-22 kW (DHW)	2H-G20	3P-G31

\* XX - country of destination code according to PN-EN ISO 3166-1

**ACCESSORIES FOR BOILERS WITH OPEN COMBUSTION CHAMBER - OPEN CIRCUIT OF CENTRAL HEATING**




Catalogue number	Trade name	Description	Picture
WKR 4340 50 00 00	MiniMax Eco open circuit kit	Enables boiler installation in open circuit	

**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***





Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR MINIMAX ECO**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	
T 9750 00 00 00	Bottom cover	Bottom cover dedicated to MiniMax Eco Dimensions: W=360mm x H=150mm x D=170mm	

\* for complete offer of hydraulic separators see pages 76-77



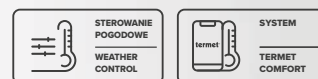
# 09.

## Standard gas boilers

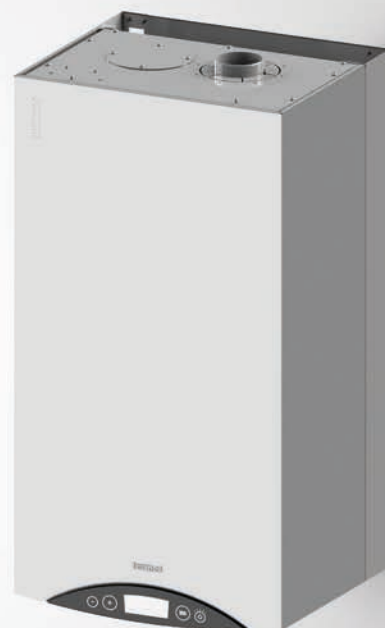
---





## MiniMax Elegance



- boiler is equipped with two heat exchangers: main copper heat exchanger for central heating purposes and additional stainless steel plate heat exchanger for hot water purposes
- compact sizes
- complete system of protection, including protection against lack of chimney draught, against possibility of blocking the pump and 3-way valve
- protection class IPX4D
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- error codes signalization
- electronic ignition with ionization flame control
- soft ignition function
- water unit installed on quick-connectors
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77)
- possibility to connect On/Off regulators
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)



		MiniMax Elegance GCO-DP-13-10		MiniMax Elegance turbo GCO-DP-21-03		
TECHNICAL FEATURES		24/24	24/24	29/29	35/35	
	CH circuit					
	Heat output	24 kW	24 kW	29 kW	35 kW	
	Boiler efficiency	93,1%	93,1%	92,0%	90,9%	
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	
	Max. temperature of central heating	95°C	95°C	95°C	95°C	
	Adjusted temperature (radiator heating)	40-85°C	40-85°C	40-85°C	40-85°C	
	Adjusted temperature (underfloor heating)	35-55°C	35-55°C	35-55°C	35-55°C	
	DHW circuit					
	Heat output	24 kW	24 kW	29 kW	35 kW	
	Boiler efficiency	93,2%	93,1%	92,0%	90,9%	
	Range of water temperature	30-60°C	30-60°C	30-60°C	30-60°C	
	Water flow at $\Delta t=30^{\circ}\text{C}$	11,4 dm <sup>3</sup> /min	11,4 dm <sup>3</sup> /min	13,8 dm <sup>3</sup> /min	16,7 dm <sup>3</sup> /min	
	Water pressure	0,1-6,0 bar	0,1-6,0 bar	0,1-6,0 bar	0,1-6,0 bar	
		Expansion vessel capacity	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	8 dm <sup>3</sup>
		Power consumption	120 W	160 W	160 W	160 W
		Chimney duct connection	Ø 130 mm	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm		
		Height x width x depth	700x360x300 mm	700x360x300 mm	700x360x300 mm	711x475x300 mm
		Weight	26 kg	31 kg	31 kg	37,5 kg

### STANDARD GAS BOILERS WITH OPEN COMBUSTION CHAMBER

Catalogue number*	Trade name	Dimensions	Power	Gas type	Available for other gases
WKD 1481 00 00 00/XX	MiniMax Elegance GCO-DP-13-10 24/24	700x360x300 mm	7-24 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

### STANDARD GAS BOILERS WITH CLOSED COMBUSTION CHAMBER

Catalogue number*	Trade name	Dimensions	Power	Gas type	Available for other gases
WKD 1621 00 00 00/XX	MiniMax Elegance turbo GCO-DP-21-03 24/24	700x360x300 mm	7-24 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30
WKD 1641 00 00 00/XX	MiniMax Elegance turbo GCO-DP-21-03 29/29	700x360x300 mm	8-29 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30
WKD 5311 00 00 00/XX	MiniMax Elegance turbo GCO-DP-21-03 35/35	711x475x300 mm	10-35 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR MINIMAX ELEGANCE**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LTT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 13 00 00	Connection set for combi boilers	Connection set (angular ball valves) dedicated to combi boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 1/2" with filter, gaskets, copper connection pipes nuts	

\* for complete offer of hydraulic separators see pages 76-77

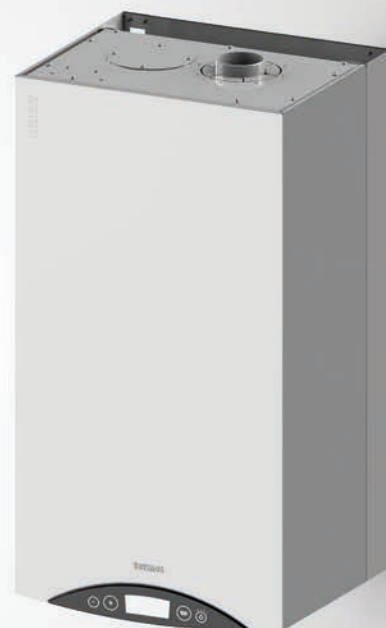
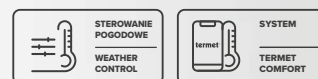
**AIR/FLUE-GAS SYSTEM FOR STANDARD BOILERS - COAXIAL SYSTEM**


Catalogue number	Description	Picture
T 9000 01 37 00	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

## UniCO Elegance

- compact sizes
- modern control panel allows full self-diagnosis and adjustment of boiler parameters to any installation
- error codes signalization
- complete system of protection, including protection against lack of chimney draught, against possibility of blocking the pump
- works with DHW tank by 3-way valve (in UniCO Elegance turbo 35kW version pre-installed in the boiler)
- possibility of DHW temperature regulation in tank directly from the boiler
- protection class IPX4D
- electronic ignition with ionization flame control
- soft ignition function
- electronic thermo-manometer
- remote control via TERMET COMFORT SYSTEM with possibility of expanding with additional zones (for complete offer of TERMET COMFORT SYSTEM see pages 50-51)
- optimised management of the heating system in cooperation with SIM module (for complete offer of hydraulic separators see pages 76-77)



		UniCO Elegance		UniCO Elegance turbo		
TECHNICAL FEATURES		GCO-24-00	GCO-29-16	GCO-24-01-24	GCO-24-01-29	GCO-24-01-35
	CH circuit					
	Heat output	24 kW	29 kW	24 kW	29 kW	35 kW
	Boiler efficiency	93,1%	91,6%	93,1%	92,0%	91,4%
	Max. water pressure	3 bar	3 bar	3 bar	3 bar	3 bar
	Max. temperature of central heating	95°C	95°C	95°C	95°C	95°C
	Adjusted temperature (radiator heating)	40-85°C	40-85°C	40-85°C	40-85°C	40-85°C
	Adjusted temperature (underfloor heating)	35-55°C	35-55°C	35-55°C	35-55°C	35-55°C
	Expansion vessel capacity	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	6 dm <sup>3</sup>	8 dm <sup>3</sup>
	Power consumption	120 W	120 W	160 W	160 W	160 W
	Chimney duct connection	Ø 110 mm	Ø 130 mm	Coaxial Ø80/Ø125 mm, Ø60/Ø100 mm or two separate Ø80 mm		
Height x width x depth		700x360x300 mm	713x475x300 mm	700x360x300 mm	700x360x300 mm	712x475x300 mm
Weight		23 kg	28,5 kg	28,5 kg	28,5 kg	36 kg

### STANDARD GAS BOILERS WITH OPEN COMBUSTION CHAMBER

Catalogue number*	Trade name	Dimensions	Power	Gas type	Available for other gases
WKJ 2021 00 00 00/XX	UniCO-24 Elegance GCO-24-00	700x360x300 mm	7-24 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30
WKJ 2031 00 00 00/XX	UniCO-29 Elegance GCO-29-16	713x475x300 mm	10-29 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1

### STANDARD GAS BOILERS WITH CLOSED COMBUSTION CHAMBER

Catalogue number*	Trade name	Dimensions	Power	Gas type	Available for other gases
WKJ 2061 00 00 00/XX	UniCO-24 Elegance turbo GCO-24-01-24	700x360x300 mm	7-24 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30
WKJ 2071 00 00 00/XX	UniCO-29 Elegance turbo GCO-24-01-29	700x360x300 mm	8-29 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30
WKJ 5301 00 00 00/XX	UniCO-35 Elegance turbo GCO-24-01-35	712x475x300 mm	10-35 kW	2H-G20-20mbar	2E-G20-13mbar, 3P-G31, 3P/B-G30

\* XX - country of destination code according to PN-EN ISO 3166-1



**ACCESSORIES DEDICATED TO BOILERS WITH LIN INTERFACE\***

Catalogue number	Trade name	Description	Picture
T 9660 00 00 00	TERMET COMFORT SYSTEM kit	Basic kit for TERMET COMFORT SYSTEM (control of 1 zone) Kit contains: TERMET COMFORT SYSTEM module and TERMET COMFORT SYSTEM individual room controller	
T 9660 01 00 00	TERMET COMFORT SYSTEM module	TERMET COMFORT SYSTEM module with Wi-Fi interface allows for independent temperature control in individual zones (rooms) - max. 6 zones	
T 9660 02 00 00	TERMET COMFORT SYSTEM individual room controller	TERMET COMFORT SYSTEM individual room controller allows for independent control of up to 4 thermostatic heads	
T 9661 00 00 00	TERMET COMFORT SYSTEM thermostatic head	TERMET COMFORT SYSTEM thermostatic head controls the flow of heating medium depending on heat demand	
WKC 0567 00 00 00	Outdoor temperature sensor	Control of boiler operation based on outdoor temperature	

\* for complete offer and possibilities of use of TERMET COMFORT SYSTEM - see pages 50-51

**ROOM TEMPERATURE REGULATORS WITH ON/OFF COMMUNICATION**

Catalogue number	Trade name	Description	Picture
T 9449 13 00 00	TERMET ST-294 V1	- wire - two buttons plus/minus - power supply with 2 x AAA batteries	
T 9449 11 00 00	TERMET ST-292 V3	- wire - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	
T 9449 10 00 00	TERMET ST-292 V2	- wireless (with a signal receiver mounted near the unit) - manual program, day/night program, weekly control - touch screen, backlit LCD display made of 3 mm tempered glass - power supply with 2 x AA 1.5 V batteries	

**ACCESSORIES FOR UNICO ELEGANCE**

Catalogue number	Trade name	Description	Picture
T 9832 00 00 00*	SIM WP 2Z 1LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with electric mixing valve	
T 9833 00 00 00*	SIM WP 2Z 2LTE.1HT.YP	Multi-zone hydraulic separator for heating systems with two electric mixing valve	
T 9831 00 00 00*	SIM WP 2Z 1LT.1HT.YP	Multi-zone hydraulic separator for heating systems with thermostatic mixing valve	
Z 9824 01 00 00*	MLC 16	Heating circuit controller MLC 16 for expansion of individual heating circuits. Control of pumps and mixing valve of heating circuits, cooperates with temperature regulators TERMET ST-292 V2 and V3	
T 9000 14 00 00	Connection set for system boilers	Connection set (angular ball valves) dedicated to system boilers. Components: 1 gas valve 3/4" with filter, 2 water valves 3/4" with filter, 2 water valves 3/4", gaskets, copper connection pipes with nuts	

\* for complete offer of hydraulic separators see pages 76-77

**AIR/FLUE-GAS SYSTEM FOR STANDARD BOILERS - COAXIAL SYSTEM**

Catalogue number	Description	Picture
T 9000 01 37 00	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

\* for complete offer of air/flue-gas systems see pages 96-115

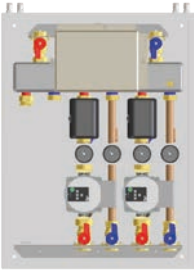
# 10.

## **Multi-zone hydraulic separator for heating systems**

---



MULTI-ZONE HYDRAULIC SEPARATOR FOR HEATING SYSTEMS SIM WP 2Z TYPE 2LTE.1HT.YP

Picture	Catalogue number	Description
	T 9833 00 00 00	Two heating circuits can be connected: - 2 x low-temperature zone (underfloor heating) Basic equipment: • 1 x hydraulic coupling for 3 heating circuits • 2 x electric mixing valve • 2 x energy-saving circulating pump • 1 x controller MLC16  Cooperation with all Termet boilers (with power up to 35 kW)

ADDITIONAL EQUIPMENT FOR MULTI-ZONE HYDRAULIC SEPARATOR TYPE 2LTE.1HT.YP



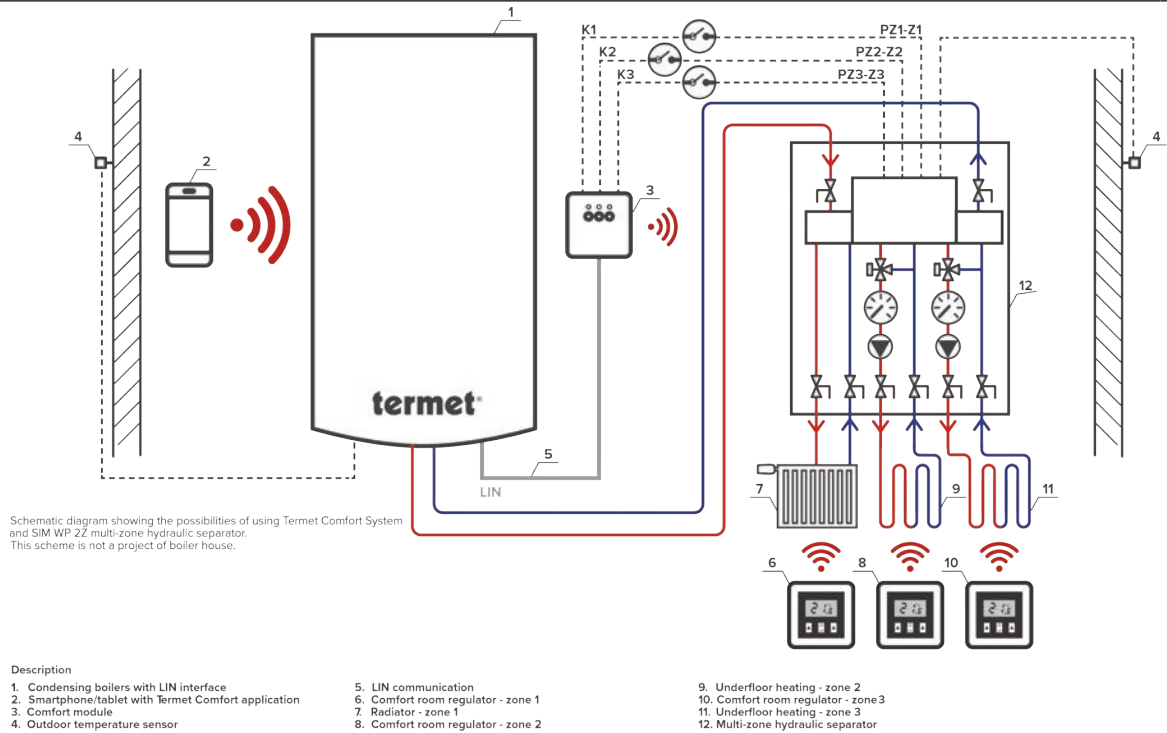
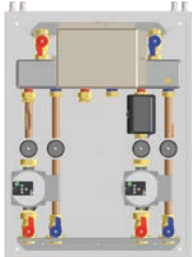
Picture	Catalogue number	Description
	T 9834 00 00 00	High-temperature connection kit 1HT.YP (with energy-saving circulating pump)
	T 9835 00 00 00	Low-temperature connection kit 1LTT.YP (with thermostatic mixing valve and energy-saving circulating pump)

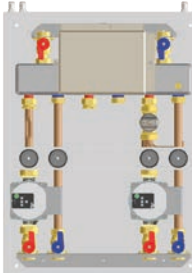
DIAGRAM SHOWING POSSIBILITIES OF USING TERMET COMFORT SYSTEM AND MULTI-ZONE HYDRAULIC SEPARATOR






**MULTI-ZONE HYDRAULIC SEPARATOR FOR HEATING SYSTEMS SIM WP 2Z TYPE 1LTE.1HT.YP**

Picture	Catalogue number	Description
	T 9832 00 00 00	<p>Two heating circuits can be connected:</p> <ul style="list-style-type: none"> <li>- high-temperature zone (radiator heating)</li> <li>- low-temperature zone (underfloor heating)</li> </ul> <p>Basic equipment:</p> <ul style="list-style-type: none"> <li>• 1 x hydraulic coupling for 3 heating circuits</li> <li>• 1 x electric mixing valve</li> <li>• 2 x energy-saving circulating pump</li> <li>• 1 x controller MLC16</li> </ul> <p><b>Cooperation with all Termet boilers (with power up to 35 kW)</b></p>

**MULTI-ZONE HYDRAULIC SEPARATOR FOR HEATING SYSTEMS SIM WP 2Z TYPE 1LTT.1HT.YP**

Picture	Catalogue number	Description
	T 9831 00 00 00	<p>Two heating circuits can be connected:</p> <ul style="list-style-type: none"> <li>- high-temperature zone (radiator heating)</li> <li>- low-temperature zone (underfloor heating)</li> </ul> <p>Basic equipment:</p> <ul style="list-style-type: none"> <li>• 1 x hydraulic coupling for 3 heating circuits</li> <li>• 1 x thermostatic mixing valve</li> <li>• 2 x energy-saving circulating pump</li> <li>• 1 x controller MLC16</li> </ul> <p><b>Cooperation with all Termet boilers (with power up to 35 kW)</b></p>

**ADDITIONAL EQUIPMENT FOR MULTI-ZONE HYDRAULIC SEPARATOR TYPE 1LTE.1HT.YP AND 1LTT.1HT.YP**

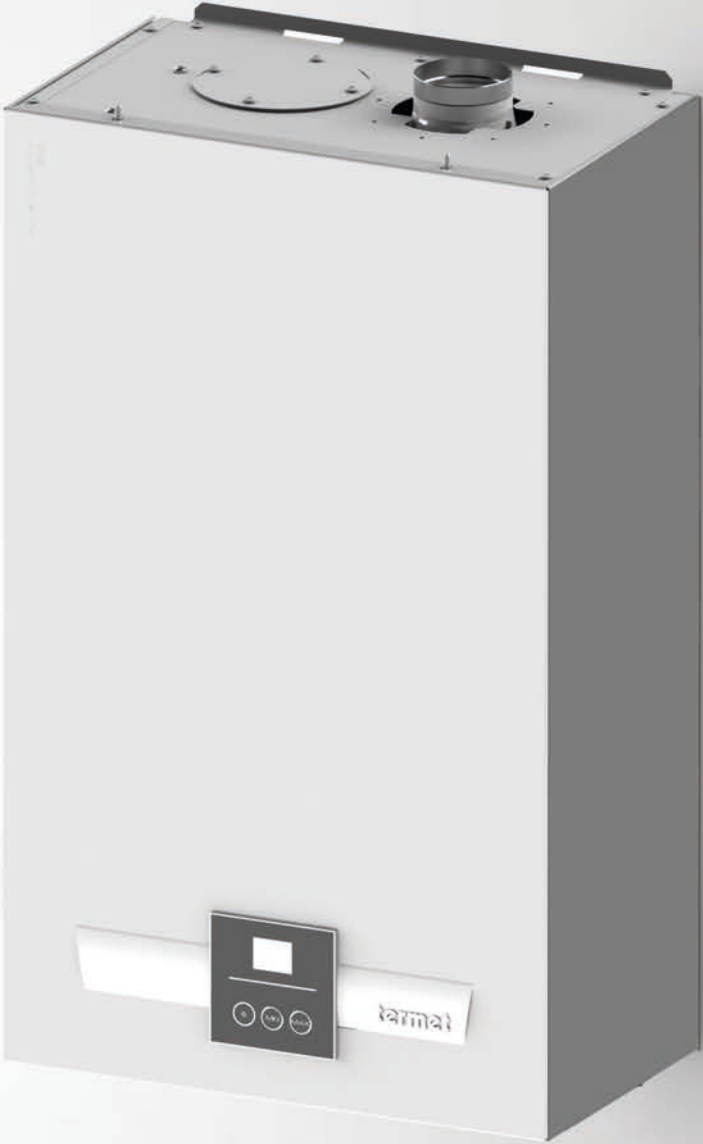
Picture	Catalogue number	Description
	T 9834 00 00 00	High-temperature connection kit 1HT.YP (with energy-saving circulating pump)
	T 9835 00 00 00	Low-temperature connection kit 1LTT.YP (with thermostatic mixing valve and energy-saving circulating pump)
	T 9836 00 00 00	Low-temperature connection kit 1LTE.YP (with electric mixing valve and energy-saving circulating pump)



# **11.**

## **Gas water heaters - EcoDesign (ErP2018)**

---



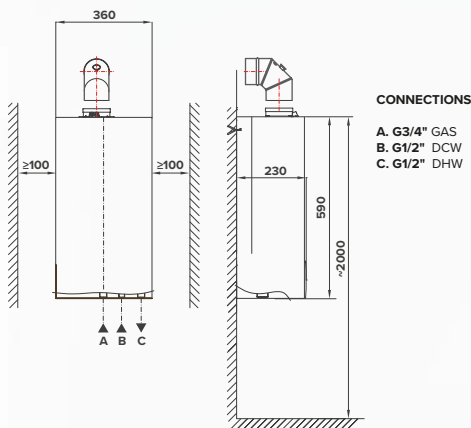
# TermaQ Electronic Eco

## TermaQ Aqua-Power Eco



- open combustion chamber
- innovative water-cooled burner which ensures low emission of CO and NO<sub>x</sub> in accordance with ErP (**NO<sub>x</sub> ≤ 56 mg/kWh**)
- smooth automatic power regulation depending on water flow rate
- water heating energy efficiency class: A
- low water flow activating the device (about 3,2 dm<sup>3</sup>/min)
- complete system of protection: against lack of chimney draught, against flue gas discharge into the room
- modern design ensures long-lasting, economic and failure-free operation
- no pilot flame, which results in lower gas consumption and savings for the user

### DIMENSIONS



### TERMAQ ELECTRONIC ECO

### TERMAQ AQUA POWER ECO


TECHNICAL FEATURES	GE-19-02	GE-24-02	GH-19-02
Ignition	electronic from batteries	electronic from batteries	electronic from hydro-generator
Heating power	8,0-19,2 kW	9,1-24,0 kW	8,0-19,2 kW
Thermal efficiency for nominal power	88%	88%	88%
Water heating energy efficiency class	A	A	A
Declared load profile	M	L	M
Water heating energy efficiency [ $\eta_{wh}$ ]	79 %	75%	79 %
Annual fuel consumption AFC	6 GJ	13 GJ	6 GJ
Working water pressure	0,2-10,0 bar	0,2-10,0 bar	0,2-10,0 bar
Hot water flow ( $\Delta t \leq 50^\circ\text{C}$ )	3,2-5,7 l/min	3,6-7,0 l/min	3,2-5,7 l/min
Warm water flow ( $\Delta t \leq 25^\circ\text{C}$ )	5,7-11,5 l/min	7,0-14,0 l/min	5,7-11,5 l/min
Max. outlet water temperature	65 °C	65 °C	65 °C
Sound power level $L_{wa}$	53 dB	60 dB	53 dB
Connection to chimney duct	117 mm (114 mm option)	132 mm	117 mm (114 mm option)
Gas connection	G 3/4 (G 1/2 option)	G 3/4 (G 1/2 option)	G 3/4 (G 1/2 option)
Cold water connection	G 1/2	G 1/2	G 1/2
Hot water connection	G 1/2	G 1/2	G 1/2
Height x width x depth	590x360x230 mm	590x360x230 mm	590x360x230 mm
Weight	12 kg	12 kg	12 kg

**GAS WATER HEATERS**

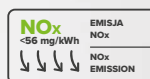
Catalogue number*	Gas type	Trade name	Power
<b>WGE 3723 00 00 00/XX1V</b>	2H-G20 20mbar	TERMAQ ELECTRONIC ECO GE-19-02	8,0-19,2 kW
<b>WGE 3724 00 00 00/XX1V</b>	3P-G31 37mbar 3B-G30 28-30mbar 3B/P-G30 30mbar 3+G30/G31 28-30/37mbar		
<b>WGE 3725 00 00 00/XX1V</b>	3B/P-G30 37mbar		
<b>WGE 3726 00 00 00/XX1V</b>	3B-G30 50mbar 3B/P-G30 50mbar		
<b>WGE 3727 00 00 00/XX1V</b>	3P-G31 50mbar		
<b>WGE 3729 00 00 00/XX1V</b>	2H-G20 25mbar	TERMAQ ELECTRONIC ECO GE-24-02	9,1-24,0 kW
<b>WGE 3733 00 00 00/XX1V</b>	2H-G20		
<b>WGE 3734 00 00 00/XX1V</b>	3P-G31 37mbar		
<b>WGE 3735 00 00 00/XX1V</b>	3B/P-G30 37mbar		
<b>WGE 3736 00 00 00/XX1V</b>	3B-G30 50mbar 3B/P-G30 50mbar		
<b>WGE 3737 00 00 00/XX1V</b>	3P-G31 50mbar		
<b>WGE 3738 00 00 00/XX1V</b>	3B-G30 28-30mbar 3B/P-G30 30mbar 3+G30/G31 28-30/37mbar		
<b>WGH 3923 00 00 00/XX1V</b>	2H-G20 20mbar	TERMAQ AQUA-POWER ECO typ GH-19-02	8,0-19,2 kW
<b>WGH 3924 00 00 00/XX1V</b>	3P-G31 37mbar 3B-G30 28-30mbar 3B/P-G30 30mbar 3+G30/G31 28-30/37mbar		
<b>WGH 3925 00 00 00/XX1V</b>	3B/P-G30 37mbar		
<b>WGH 3926 00 00 00/XX1V</b>	3B-G30 50mbar 3B/P-G30 50mbar		
<b>WGH 3927 00 00 00/XX1V</b>	3P-G31 50mbar		
<b>WGH 3929 00 00 00/XX1V</b>	2H-G20 25mbar		

\* XX - country of destination code according to PN-EN ISO 3166-1  
V - version

**ACCESSORIES FOR GAS WATER HEATERS**

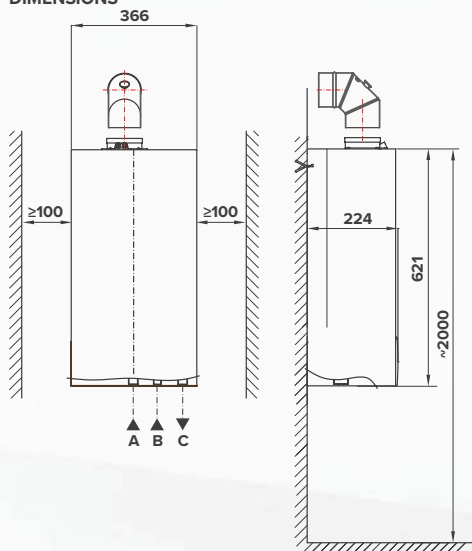
Catalogue number	Trade name	Description	Picture
<b>T 9360 00 00 00 D</b>	Bottom cover	Bottom cover dedicated to TERMAQ ELECTRONIC ECO and AQUA-POWER ECO Dimensions: W=360mm x H=150mm x D=170mm	

## Aqua Comfort Eco



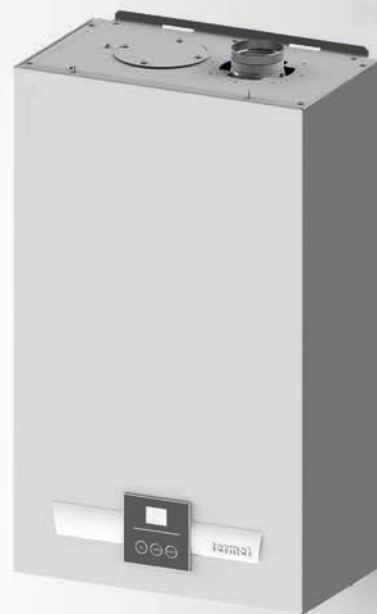
- **closed combustion chamber** - device operation is not related to ventilation conditions in the room
- water heating energy efficiency class: A
- high power - up to 24 kW - ensures high water flow up to 14 dm<sup>3</sup>/min (GT-24-03 version)
- very wide range of modulation from 30% up to 100%
- low water flow activating the device (about ok. 2 dm<sup>3</sup>/min)
- electronic, linear modulation of the burner power, allowing to maintaining a constant water temperature
- setting the desired water temperature using two buttons (MIN, MAX)
- high protection level IPX4D
- complete system of protection:
- moder design ensures long-lasting, economic and failure-free operation
- **environmentally friendly: low level of NOx emission (6th class)**

### DIMENSIONS



### CONNECTIONS

- A. G1/2" GAS
- B. G1/2" DCW
- C. G1/2" DHW



### AQUA COMFORT ECO

TECHNICAL FEATURES	GT-19-03	GT-24-03
Ignition	Electronic with ionisation flame control	Electronic with ionisation flame control
Heating power	6,7-19,2 kW	7,4-24,5 kW
Thermal efficiency for nominal power	91%	89%
Water heating energy efficiency class	A	A
Declared load profile	M	L
Water heating energy efficiency [ $\eta_{wh}$ ]	74 %	78 %
Annual fuel consumption AFC	6 GJ	13 GJ
Working water pressure	0,2-10,0 bar	0,2-10,0 bar
Water flow range	2,0-11,0 l/min	2,0-14,0 l/min
Max. outlet water temperature	60 °C	60 °C
Sound power level $L_{wa}$	53 dB	53 dB
Protection class	IPX4D	IPX4D
Max. power consumption	30 W	30 W
Connection to chimney duct	Ø60/ Ø100 or Ø80/ Ø125 or Ø80x Ø80	
Gas connection	G 1/2	G 1/2
Cold water connection	G 1/2	G 1/2
Hot water connection	G 1/2	G 1/2
Height x width x depth	621x366x224 mm	621x366x224 mm
Weight	17,5 kg	18,5 kg







**GAS WATER HEATERS**



Catalogue number	Gas type	Trade name	Power
WGT 3823 00 00 00/XX-T	2H-G20 20mbar	AQUA COMFORT ECO GT-19-03	6,7-19,2 kW
	2H-G20 25mbar		
WGT 3824 00 00 00/XX-T	3P-G31 37mbar		
	3P-G31 50mbar		
WGT 3825 00 00 00/XX-T	3B-G30 28-30mbar		
	3B/P-G30 30mbar		
	3B/P-G30 37mbar		
	3B-G30 50mbar		
	3B/P-G30 50mbar		
WGT 3833 00 00 00/XX-T	2H-G20 20mbar	AQUA COMFORT ECO GT-24-03	7,4-24,5 kW
	2H-G20 25mbar		
WGT 3834 00 00 00/XX-T	3P-G31 37mbar		
	3P-G31 50mbar		
WGT 3835 00 00 00/XX-T	3B-G30 28-30mbar		7,4-23,1 kW
	3B/P-G30 30mbar		
	3B/P-G30 37mbar		
	3B-G30 50mbar		
	3B/P-G30 50mbar		

\* XX - country of destination code according to PN-EN ISO 3166-1

**AIR/FLUE-GAS ACCESSORIES FOR WATER HEATERS WITH CLOSED COMBUSTION CHAMBER - COAXIAL SYSTEM**


Catalogue number	Description	Picture
T 9000 04 07 72	Air/Flue-gas adapter Ø60/Ø100	
T 9000 04 07 76	Air/Flue-gas adapter Ø80/Ø125	
T 9000 04 07 73	Air/Flue-gas adapter-elbow Ø60/Ø100	
T 9000 01 37 00	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

**AIR/FLUE-GAS ACCESSORIES FOR WATER HEATERS WITH CLOSED COMBUSTION CHAMBER - SEPARATE SYSTEM**

Catalogue number	Description	Picture
T 9000 04 07 74	Flue-gas adapter Ø60/Ø80	
T 9000 04 07 75	Air adapter Ø80	

**NOTE!** Stainless steel flue systems may be used in Aqua Comfort Eco water heaters if gasket is replaced with one of the following:

**SILICONE GASKETS**

Catalogue number	Description	Picture
T 9000 04 05 70	Silicone gasket Ø60 (internal up to 200°C)	
T 9000 04 05 71	Silicone gasket Ø80 (internal up to 200°C)	
T 9000 04 05 78	Silicone gasket Ø100 (internal up to 200°C)	
T 9000 04 02 45	Silicone gasket Ø125 (internal up to 200°C)	

# 12.

## Standard gas water heaters

---

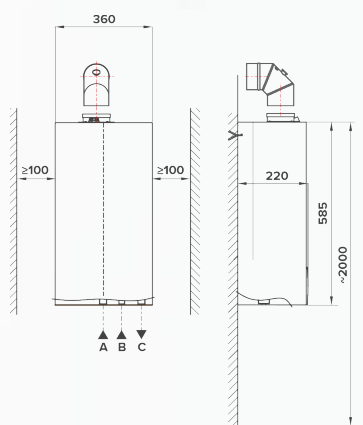


## TermaQ



- open combustion chamber
- piezoelectric ignition
- water heating energy efficiency class: A
- smooth automatic power regulation depending on water flow rate
- manual power and water flow regulation
- low water flow activating the device (about 2,8 dm<sup>3</sup>/min)
- ignition at very low water pressure (10kPa)
- quiet operation
- heat exchanger made of copper
- complete system of protection

### DIMENSIONS



#### CONNECTIONS

- A. G1/2" GAS
- B. G1/2" DCW
- C. G1/2" DHW



### TERMAQ

#### TECHNICAL FEATURES

	GP 19-01
Ignition	piezoelectric
Heating power	4,8-19,2 kW
Thermal efficiency	86%
Water heating energy efficiency class	A
Declared load profile	M
Water heating energy efficiency [ $\eta_{wh}$ ]	69 %
Annual fuel consumption AFC	7 GJ
Working water pressure	0,1-10,0 bar
Hot water flow ( $\Delta t \leq 50^\circ\text{C}$ )	2,8-5,7 l/min
Warm water flow ( $\Delta t \leq 25^\circ\text{C}$ )	5,7-11,5 l/min
Max. outlet water temperature	65 °C
Sound power level $L_{wa}$	53 dB
Connection to chimney duct	114 mm
Gas connection	G 1/2
Cold water connection	G 1/2
Hot water connection	G 1/2
Height x width x depth	585x360x220 mm
Weight	9,2 kg

#### STANDARD GAS WATER HEATERS WITH OPEN COMBUSTION CHAMBER

Catalogue number*	Gas type	Trade name	Power
WGP 3123 00 00 00/XX2V	2H-G20, 2E-G20 20mbar	TERMAQ GP-19-01	4,8-19,2 kW
WGP 3128 00 00 00/XX2V	2E-G20 13mbar		
WGP 3124 00 00 00/XX2V	3P-G31 37mbar 3B-G30 28-30mbar 3B/P-G30 30mbar 3+G30/G31 28-30/37mbar		

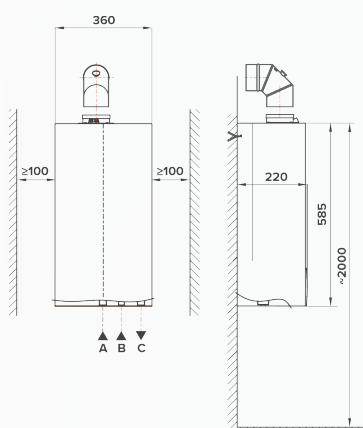
\* XX - country of destination code according to PN-EN ISO 3166-1  
V - version

## TermaQ Electronic Pro



- open combustion chamber
- electronic ignition from batteries
- smooth automatic power regulation depending on water flow rate
- water heating energy efficiency class: A
- low water flow activating the device (about 3,2 dm<sup>3</sup>/min)
- ignition at very low water pressure (20kPa)
- complete system of protection: against lack of chimney draught, against flue gas discharge into the room
- modern design ensures long-lasting, economic and failure-free operation
- no pilot flame, which results in lower gas consumption and savings for the user

### DIMENSIONS



### CONNECTIONS

- A. G 1/2" GAS  
B. G 1/2" DCW  
C. G 1/2" DHW



### TERMAQ ELECTRONIC PRO

TECHNICAL FEATURES	GE-19-02
Ignition	electronic from batteries
Heating power	7,7-19,2 kW
Thermal efficiency for nominal power	86%
Water heating energy efficiency class	A
Declared load profile	M
Water heating energy efficiency [ $\eta_{wh}$ ]	76 %
Annual fuel consumption AFC	6 GJ
Working water pressure	0,2-10,0 bar
Hot water flow ( $\Delta t \leq 50^\circ\text{C}$ )	3,2-5,7 l/min
Warm water flow ( $\Delta t \leq 25^\circ\text{C}$ )	5,7-11,5 l/min
Max. outlet water temperature	65 °C
Sound power level $L_{wa}$	53 dB
Connection to chimney duct	114 mm
Gas connection	G 1/2
Cold water connection	G 1/2
Hot water connection	G 1/2
Height x width x depth	585x360x220 mm
Weight	10,5 kg

### STANDARD GAS WATER HEATERS WITH OPEN COMBUSTION CHAMBER

Catalogue number*	Gas type	Trade name	Power
WGE 3223 00 00 00/XX7V	2H-G20, 2E-G20 20mbar	TERMAQ ELECTRONIC PRO GE-19-02	7,7-19,2 kW
WGE 3228 00 00 00/XX7V	2E-G20 13mbar		
WGE 3224 00 00 00/XX7V	3P-G31 37mbar 3B-G30 28-30mbar 3B/P-G30 30mbar 3+G30/G31 28-30/37mbar		

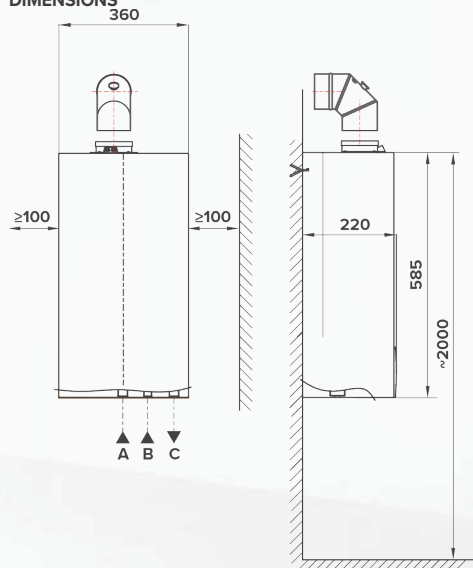
\* XX - country of destination code according to PN-EN ISO 3166-1  
V - version

## Aqua Comfort turbo



- **closed combustion chamber** - device operation is not related to ventilation conditions in the room
- electronic ignition with ionisation flame control
- water heating energy efficiency class: A
- high power - up to 24 kW - ensures high water flow up to 13 dm<sup>3</sup>/min (GT-23-03 version)
- low water flow activating the device (about ok. 2 dm<sup>3</sup>/min)
- electronic, linear modulation of the burner power, allowing to maintaining a constant water temperature
- setting the desired water temperature using two buttons (MIN, MAX)
- high protection level IPX4D
- complete system of protection:
- modern design ensures long-lasting, economic and failure-free operation

### DIMENSIONS



### CONNECTIONS

- A. G 1/2" GAS
- B. G 1/2" DCW
- C. G 1/2" DHW



### AQUA COMFORT TURBO

TECHNICAL FEATURES	GT-19-03	GT-23-03
Ignition	Electronic with ionisation flame control	Electronic with ionisation flame control
Heating power	5,7-19,2 kW	5,7-23,0 kW
Thermal efficiency for nominal power	93 %	94 %
Water heating energy efficiency class	A	A
Declared load profile	M	L
Water heating energy efficiency [ $\eta_{wh}$ ]	79 %	88 %
Annual fuel consumption AFC	6 GJ	10 GJ
Working water pressure	0,2-10,0 bar	0,2-10,0 bar
Water flow range	2,0-11,0 l/min	2,0-13,0 l/min
Max. outlet water temperature	60 °C	60 °C
Sound power level $L_{wa}$	50 dB	52 dB
Protection class	IPX4D	IPX4D
Max. power consumption	65 W	65 W
Connection to chimney duct	Ø60/ Ø100 or Ø80/ Ø125 or Ø80x Ø80	
Gas connection	G 1/2	G 1/2
Cold water connection	G 1/2	G 1/2
Hot water connection	G 1/2	G 1/2
Height x width x depth	585x360x220 mm	585x360x220 mm
Weight	16,5 kg	16,5 kg







**GAS WATER HEATERS**



Catalogue number	Gas type	Trade name	Power
WGT 3521 00 00 00/XX-T	2E-G20 13mbar	AQUA COMFORT TURBO GT-19-03	5,7-19,2 kW
WGT 3523 00 00 00/XX-T	2H-G20, 2E-G20 20mbar		
WGT 3524 00 00 00/XX-T	3P-G31 37mbar		
WGT 3525 00 00 00/XX-T	3P-G31 50mbar		
WGT 3526 00 00 00/XX-T	3B/P-G30 37mbar		
WGT 3527 00 00 00/XX-T	3B/P-G30 50mbar		
WGT 3528 00 00 00/XX-T	3B/P-G30 30mbar 3B-G30 28-30mbar 3+-G30/31 28÷30/37 mbar		
WGT 3531 00 00 00/XX-T	2E-G20 13mbar	AQUA COMFORT TURBO GT-23-03	5,7-23,0 kW
WGT 3533 00 00 00/XX-T	2H-G20, 2E-G20 20mbar		
WGT 3534 00 00 00/XX-T	3P-G31 37mbar		
WGT 3535 00 00 00/XX-T	3P-G31 50mbar		
WGT 3536 00 00 00/XX-T	3B/P-G30 37mbar		
WGT 3537 00 00 00/XX-T	3B/P-G30 50mbar		
WGT 3538 00 00 00/XX-T	3B/P-G30 30mbar 3B-G30 28-30mbar 3+-G30/31 28÷30/37 mbar		

\* XX - country of destination code according to PN-EN ISO 3166-1

**AIR/FLUE-GAS ACCESSORIES FOR WATER HEATERS WITH CLOSED COMBUSTION CHAMBER - COAXIAL SYSTEM**


Catalogue number	Description	Picture
T 9000 04 07 72	Air/Flue-gas adapter Ø60/Ø100	
T 9000 04 07 76	Air/Flue-gas adapter Ø80/Ø125	
T 9000 04 07 73	Air/Flue-gas adapter-elbow Ø60/Ø100	
T 9000 01 37 00	Air/Flue-gas set Ø60/Ø100 with elbow 90° and 2 x rosette	

**AIR/FLUE-GAS ACCESSORIES FOR WATER HEATERS WITH CLOSED COMBUSTION CHAMBER - SEPARATE SYSTEM**

Catalogue number	Description	Picture
T 9000 04 07 74	Flue-gas adapter Ø60/Ø80	
T 9000 04 07 75	Air adapter Ø80	

NOTE! Stainless steel flue systems may be used in Aqua Comfort turbo water heaters if gasket is replaced with one of the following:

**SILICONE GASKETS**






Catalogue number	Description	Picture
T 9000 04 05 70	Silicone gasket Ø60 (internal up to 200°C)	
T 9000 04 05 71	Silicone gasket Ø80 (internal up to 200°C)	
T 9000 04 05 78	Silicone gasket Ø100 (internal up to 200°C)	
T 9000 04 02 45	Silicone gasket Ø125 (internal up to 200°C)	

**13.**

# **Chemicals for heating system protection, magnetic filters**

---






CHEMICALS FOR HEATING SYSTEM PROTECTION													
Picture	Catalogue number	Trade name	Description										
	T 9000 09 00 10	BM1 INHIBITOR Test 50	Inhibitor tester (50 pcs.) Tester of BM1 inhibitor concentration indicator. By soaking test strip in a sample of water from the installation, Installer/Service Technician can determine whether the inhibitor concentration is sufficient. Such verification can be performed at any stage and at any time. Test strip shows the color-coded reaction, indicating whether more BOILERMAG BM1 Inhibitor should be used.										
	T 9000 09 00 11	BM1 INHIBITOR 500 ml	Protection product Chemical agent to protect domestic central heating installation from internal corrosion and limescale. It is suitable for all types of boilers and radiators. Agent is compatible with all types of metals and materials commonly used in heating installations, 500 ml is sufficient for 100 l of water in the installation. Reduces costs and extends life of the installation. This agent is non-toxic and environmentally friendly.										
	T 9000 09 00 12	BM3 CLEANER 500 ml	Cleaning agent All-purpose cleaner for new or existing installations. In the case of new installations, it serves as a neutral detergent for cleaning the installation before it is used. It removes sludge, limescale and other contaminants from existing installations. BOILERMAG BM3 CLEANER is compatible with all types of metals and materials commonly used in heating installations, 500 ml is sufficient for 100 l of water in the installation. This product can remain in the installation for up to 7 days. It can also be used with pumps for rinsing the installation. Neutral, harmless agent.										
	T 9000 09 00 13	BM7 BIOCIDES 500 ml	Biocidal product Highly effective biocide that prevents the formation of bacteria and other microorganisms present in heating systems. Perfect for low temperatures or underfloor heating circuits, 500 ml is sufficient for 100 l of water in the installation. This product should be used together with BOILERMAG BM1 Inhibitor.										
	T 9000 09 00 14	BMZERO ANTI FREEZE 5 litrów	Anti-freeze and protection product An universal antifreeze which provides protection against corrosion, scale formation and microbial growth. Compatible with all types of metals and materials commonly used in heating installations. The minimum dose is 25 liters per 100 l of water in the installation. Suitable for use in central heating installations and with heat pumps.										
<table><tr><td>Concentration</td><td>25%</td><td>33%</td><td>40%</td><td>50%</td></tr><tr><td>Protection</td><td>-11°C</td><td>-16°C</td><td>-22°C</td><td>-32°C</td></tr></table>				Concentration	25%	33%	40%	50%	Protection	-11°C	-16°C	-22°C	-32°C
Concentration	25%	33%	40%	50%									
Protection	-11°C	-16°C	-22°C	-32°C									

**Note!**

Before using, read the boiler manual, in particular the section on system cleaning and water treatment.

## MAGNETIC FILTERS FOR HEATING SYSTEM

Picture	Catalogue number	Trade name	Description
	T 9000 09 00 15	BOILERMAG 3/4" filter	High-performance magnetic filter designed for central heating installations, which removes all contaminants (magnetic and non-magnetic) from the installation and effectively stops them inside the device. Dual-flow technology - maximises the efficiency of contaminant capture, and 360° control allows quick and easy installation at any angle on the installation. Set of connection valves are included.
	T 9000 09 00 16	BOILERMAG 1" filter	
	T 9000 09 00 17	BOILERMAG 22mm filter	High-performance magnetic filter designed for central heating installations, which removes all contaminants (magnetic and non-magnetic) from the installation and effectively stops them inside the device. Dual-flow technology - maximises the efficiency of contaminant capture, and 360° control allows quick and easy installation at any angle on the installation. Set of connection valves are included. <b>3/4" and 1" filter equivalents, but with direct clamp connection when installation is made of copper.</b>
	T 9000 09 00 18	BOILERMAG 28mm filter	
	T 9000 09 00 21	BOILERMAG XC 3/4" filter	Compact magnetic filter for central heating systems, perfect for small locations. Removes all contaminants (magnetic and non-magnetic) from the installation and effectively stops them inside the device. Easy to install and maintain. <b>For installation in difficult and tight locations.</b>
	T 9000 09 00 22	BOILERMAG XC 1" filter	
	T 9000 09 00 20	BOILERMAG XC 22mm filter	Compact magnetic filter for central heating systems, perfect for small locations. Removes all contaminants (magnetic and non-magnetic) from the installation and effectively stops them inside the device. <b>3/4" and XC filter equivalents, but with direct clamp connection when installation is made of copper.</b> <b>For installation in difficult and tight locations.</b>

**Attention! Strong magnetic field**

Persons with implanted cardiovascular devices should always be careful while handling the filter, as with other magnetic products.

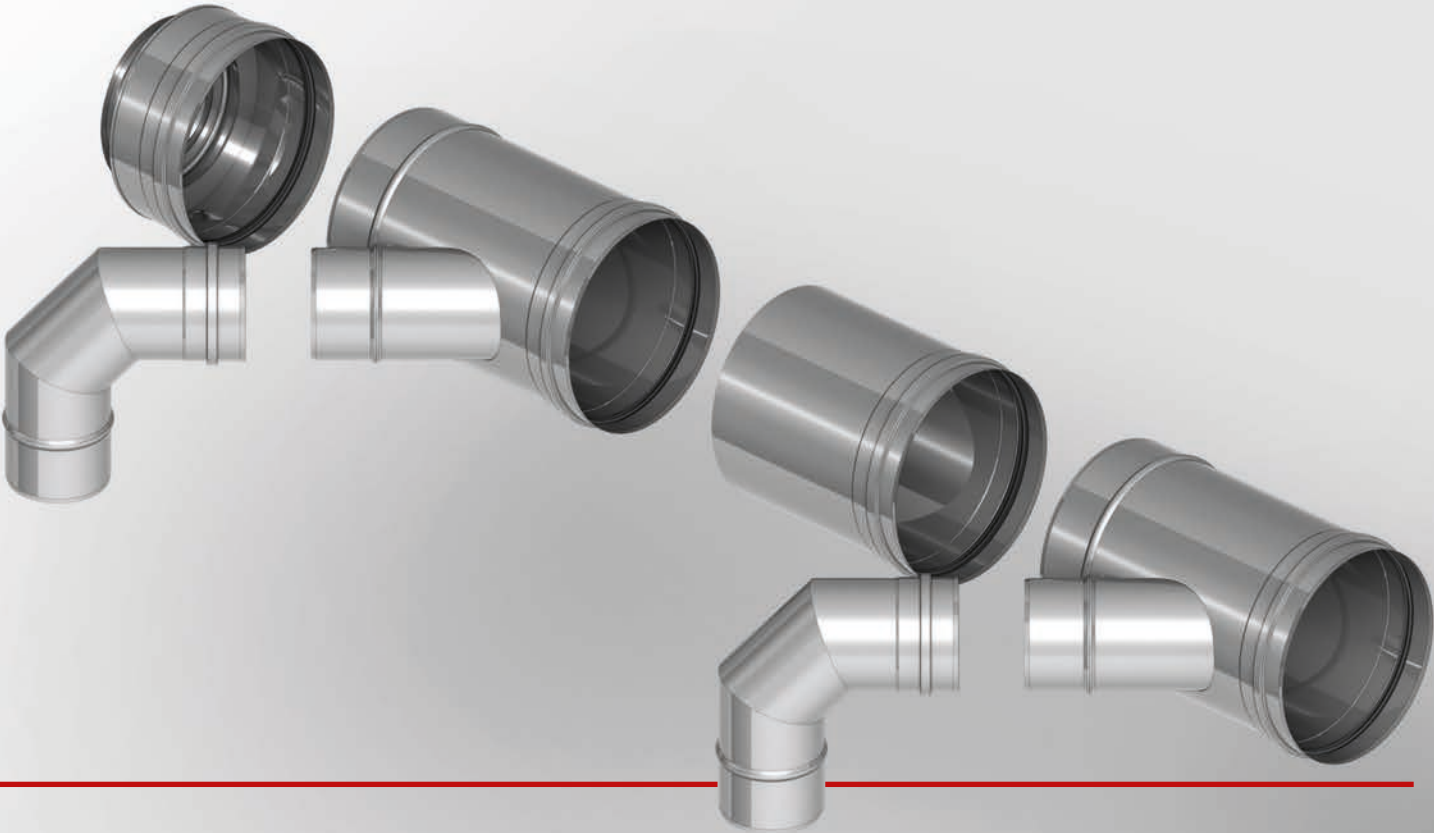
Read the boiler manual and filter manual before using.

# 14.




## **Air/Flue-gas systems**

---









**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT IN THE SHAFT – Ø60/Ø100 - Ø60**

Catalogue number	Picture	Description
T 9000 04 05 04		Inspection elbow 87° with gasket, Ø60/Ø100
		Pipe L=250mm with gasket, Ø60/Ø100
		Rosette, Ø100
		Elbow 87° with support bracket and gasket, Ø60
		Fixing rail for elbow
		Air-intake shaft cover, Ø60


**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT IN THE SHAFT (EXPANDING) – Ø60/Ø100 - Ø80**

Catalogue number	Picture	Description
T 9000 04 05 05		Inspection elbow 87° with gasket, Ø60/Ø100
		Pipe L=250mm with gasket, Ø60/Ø100
		Rosette, Ø100
		Expanding elbow 87° with support bracket and gasket, Ø60-Ø80
		Fixing rail for elbow
		Air-intake shaft cover, Ø80












**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT THROUGH THE WALL Ø60/Ø100**

Catalogue number	Picture	Description
T 9000 04 05 06		Inspection elbow 87° with gasket, Ø60/Ø100
		Final pipe (horizontal) L=750mm, Ø60/Ø100
		Rosette, 2 pcs., Ø100

## AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - COAXIAL SYSTEM

Picture	Catalogue number	Description
	T 9000 04 02 09	Pipe L=1000mm with gasket, Ø60/Ø100
	T 9000 04 02 10	Pipe L=1000mm with gasket, Ø80/Ø125
	T 9000 04 02 11	Pipe L=500mm with gasket, Ø60/Ø100
	T 9000 04 02 12	Pipe L=500mm with gasket, Ø80/Ø125
	T 9000 04 02 13	Pipe L=250mm with gasket, Ø60/Ø100
	T 9000 04 02 14	Pipe L=250mm with gasket, Ø80/Ø125
	T 9000 04 02 15	Elbow 87° with gasket, Ø60/Ø100
	T 9000 04 02 16	Elbow 87° with gasket, Ø80/Ø125
	T 9000 04 02 17	Elbow 87° with support bracket and gasket, Ø60/Ø100
	T 9000 04 02 18	Elbow 87° with support bracket and gasket, Ø80/Ø125
	T 9000 04 02 01	Fixing rail for elbow for installation in chimney duct
	T 9000 04 02 19	Elbow 45° with gasket, Ø60/Ø100
	T 9000 04 02 20	Elbow 45° with gasket, Ø80/Ø125
	T 9000 04 02 21	Roof plate with rain collar (white), Ø60/Ø100
	T 9000 04 02 22	Roof plate with rain collar (white), Ø80/Ø125
	T 9000 04 02 84	Roof plate with rain collar (high-gloss), Ø60/Ø100
	T 9000 04 02 85	Roof plate with rain collar (high-gloss), Ø80/Ø125
	T 9000 04 02 23	Rain collar, Ø60/Ø100
	T 9000 04 02 24	Rain collar, Ø80/Ø125
	T 9000 04 02 25	Angular roof plate with rain collar 5° - 15° (stainless steel), Ø60/Ø100
	T 9000 04 02 97	Angular roof plate with rain collar 16° - 25° (stainless steel), Ø60/Ø100
	T 9000 04 02 26	Angular roof plate with rain collar 26° - 35° (stainless steel), Ø60/Ø100
	T 9000 04 02 27	Angular roof plate with rain collar 36° - 45° (stainless steel), Ø60/Ø100
	T 9000 04 02 28	Angular roof plate with rain collar 5° - 15° (stainless steel), Ø80/Ø125
	T 9000 04 02 96	Angular roof plate with rain collar 16° - 25° (stainless steel), Ø80/Ø125
	T 9000 04 02 29	Angular roof plate with rain collar 26° - 35° (stainless steel), Ø80/Ø125
	T 9000 04 02 30	Angular roof plate with rain collar 36° - 45° (stainless steel), Ø80/Ø125




**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - COAXIAL SYSTEM**

Picture	Catalogue number	Description
	<b>T 9000 04 02 31</b>	Inspection T-piece 87° with gasket, Ø60/Ø100
	<b>T 9000 04 02 32</b>	Inspection T-piece 87° with gasket, Ø80/Ø125
	<b>T 9000 04 02 88</b>	Inspection T-piece 87° with gasket (expanding), Ø60/Ø100-Ø80/Ø125
	<b>T9000 04 02 33</b>	Enlarger, Ø60/Ø100-Ø80/Ø125
	<b>T 9000 04 02 34</b>	Final pipe (vertical) L=250mm, Ø60/Ø100
	<b>T 9000 04 02 35</b>	Final pipe (vertical) L=250mm, Ø80/Ø125
	<b>T 9000 04 02 36</b>	Final pipe (horizontal) L=750mm, Ø60/Ø100
	<b>T 9000 04 02 37</b>	Final pipe (horizontal) L=750mm, Ø80/Ø125
	<b>T 9000 04 02 86</b>	Final pipe (vertical) L=750mm (high-gloss), Ø60/Ø100
	<b>T 9000 04 02 87</b>	Final pipe (vertical) L=750mm (high-gloss), Ø80/Ø125
	<b>T 9000 04 02 38</b>	Inspection pipe with gasket, Ø60/Ø100
	<b>T 9000 04 02 39</b>	Inspection pipe with gasket, Ø80/Ø125
	<b>T 9000 04 02 04</b>	Wall bracket with adjustment range 50-150mm, Ø60/Ø100
	<b>T 9000 04 02 05</b>	Wall bracket with adjustment range 50-150mm, Ø80/Ø125
	<b>T 9000 04 02 02</b>	Rosette Ø100
	<b>T 9000 04 02 03</b>	Rosette Ø125
	<b>T 9000 04 02 42</b>	EPDM gasket (internal up to 120°C), Ø60
	<b>T 9000 04 02 43</b>	EPDM gasket (internal up to 120°C), Ø80
	<b>T 9000 04 02 46</b>	Separator Ø60/Ø100 mm to 2x Ø80mm

## AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - SEPARATE SYSTEM


















Picture	Catalogue number	Description
	T 9000 04 02 82	Flexible pipe FLEX-, 1 m, Ø80
	T 9000 04 02 83	Flexible pipe FLEX-, 10 m, Ø80
	T 9000 04 02 78	Flexible pipe FLEX-, 15 m, Ø80
	T 9000 04 02 79	Flexible pipe FLEX-, 20 m, Ø80
	T 9000 04 02 80	Flexible pipe FLEX-, 25 m, Ø80
	T 9000 04 02 81	Flexible pipe FLEX-, 50 m, Ø80
	T 9000 04 05 27	Transition pipe FLEX/FLEX, Ø80
	T 9000 04 05 28	Top transition pipe, FLEX/separate system, Ø80
	T 9000 04 05 29	Bottom transition pipe, separate system/FLEX, Ø80
	T 9000 04 05 30	Silicone sealant 310 ml
	T 9000 04 05 31	Enlarger with gasket Ø80-Ø100 mm
	T 9000 04 02 49	Pipe L=1000mm with gasket, Ø80
	T 9000 04 02 50	Pipe L=500mm with gasket, Ø80
	T 9000 04 02 51	Pipe L=250mm with gasket, Ø80
	T 9000 04 05 68	Wall bracket (50mm from wall), Ø80
	T 9000 04 02 52	Elbow 87° with gasket, Ø80
	T 9000 04 02 53	Elbow 87° with support bracket and gasket, Ø80
	T 9000 04 02 01	Fixing rail for elbow for installation in chimney duct
	T 9000 04 02 54	Renovation elbow with support bracket and gasket
	T 9000 04 02 55	Renovation elbow 87° for ceramic chimneys with adjustable support bracket and gasket, Ø80

**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - SEPARATE SYSTEM**

Picture	Catalogue number	Description
	T 9000 04 02 56	Bracing bracket, Ø80
	T 9000 04 02 57	Elbow 45° with gasket, Ø80
	T 9000 04 02 58	Inspection pipe with gasket, Ø80
	T 9000 04 02 59	Roof plate with rain collar, Ø80
	T 9000 04 02 60	Rain collar / Rosette, Ø80
	T 9000 04 02 77	Pipe cut at 45° with mesh L=500mm, Ø80
	T 9000 04 05 07	Umbrella, Ø80
	T 9000 04 02 61	Pipe L=1000mm with gasket, Ø60
	T 9000 04 02 62	Pipe L=500mm with gasket, Ø60
	T 9000 04 02 63	Pipe L=250mm with gasket, Ø60
	T 9000 04 05 67	Wall bracket (50mm from wall), Ø60
	T 9000 04 02 64	Elbow 87° with gasket, Ø60
	T 9000 04 02 65	Elbow 87° with support bracket and gasket, Ø60
	T 9000 04 02 66	Expanding elbow 87° with support bracket and gasket, Ø60-Ø80
	T 9000 04 02 01	Fixing rail for elbow for installation in chimney duct
	T 9000 04 02 67	Renovation elbow with support bracket and gasket, Ø60















## INSULATED AIR/FLUE-GAS PIPES FOR OUTDOOR INSTALLATION

Picture	Catalogue number	Description
	T 9000 04 02 43	EPDM* gasket (internal up to 120°C), Ø80
	T 9000 04 02 92	Elbow 87° with gasket, Ø80/Ø125
	T 9000 04 02 93	Pipe L=1000mm with gaske, Ø80/Ø125
	T 9000 04 02 94	Pipe L=500mm with gasket, Ø80/Ø125
	T 9000 04 02 95	Pipe L=250mm with gasket, Ø80/Ø125
	T 9000 04 03 03	Pipe L=1000mm, Ø80
	T 9000 04 03 04	Pipe L=500mm, Ø80
	T 9000 04 03 05	Pipe L=250mm, Ø80
	T 9000 04 03 06	Intermediate plate with intake air suction (from steel coaxial system to insulated system), Ø80
	T 9000 04 05 62	Plate support bracket L=350mm (2pcs.)
	T 9000 04 05 63	Plate support bracket L=500mm (2pcs.)
	T 9000 04 03 07	Elbow 30°, Ø80
	T 9000 04 03 08	Elbow 45°, Ø80
	T 9000 04 03 19	Elbow 87° with support bracket, Ø80
	T 9000 04 03 20	Elbow 87°, Ø80
	T 9000 04 03 10	Transition pipe - separate system/insulated system, Ø80
	T 9000 04 03 17	Top final pipe, Ø80

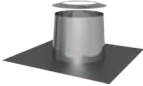
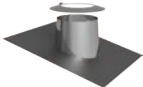


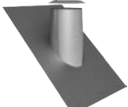
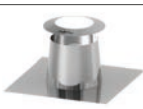

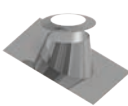
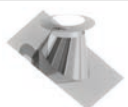

\* for each element (except for coaxial elements) it is necessary to purchase a gasket as it is not added to the insulated articles

**INSULATED AIR/FLUE-GAS PIPES FOR OUTDOOR INSTALLATION**

Picture	Catalogue number	Description
	<b>T 9000 04 03 18</b>	Inspection pipe, Ø80
	<b>T 9000 04 03 22</b>	Transition pipe with intake air suction (from steel coaxial system to insulated system), Ø80
	<b>T 9000 04 03 23</b>	Umbrella, Ø80
	<b>T 9000 04 03 25</b>	Rain collar, Ø80
	<b>T 9000 04 03 26</b>	Outdoor clamp fitting for stabilisation, Ø80
	<b>T 9000 04 03 27</b>	Wall bracket with adjustment range 50-80 mm, Ø80
	<b>T 9000 04 03 30</b>	Wall bracket with adjustment range 50-150 mm, Ø80
	<b>T 9000 04 03 31</b>	Wall bracket with adjustment range 150-250 mm, Ø80
	<b>T 9000 04 03 32</b>	Wall bracket with adjustment range 250-350 mm, Ø80
	<b>T 9000 04 03 28</b>	Wall bracket (above 360 mm) for assembly with T9000.04.05.56/ T9000.04.05.57, Ø80
	<b>T 9000 04 05 56</b>	Bracket arm L=500 mm
	<b>T 9000 04 05 57</b>	Bracket arm L=1000 mm

\* for each element (except for coaxial elements) it is necessary to purchase a gasket as it is not added to the insulated articles

## INSULATED AIR/FLUE-GAS PIPES FOR OUTDOOR INSTALLATION - SEPARATE SYSTEM






Picture	Catalogue number	Description
	T 9000 04 03 35	Flat roof plate with rain collar, Ø80
	T 9000 04 03 37	Angular roof plate (lead) with rain collar 5°-15°, Ø80
	T 9000 04 03 39	Angular roof plate (lead) with rain collar 16°-25°, Ø80
	T 9000 04 03 33	Angular roof plate (lead) with rain collar 26°-35°, Ø80
	T 9000 04 03 38	Angular roof plate (lead) with rain collar 36°-45°, Ø80
	T 9000 04 03 36	Flat roof plate (aluminum) with rain collar, Ø80
	T 9000 04 03 40	Angular roof plate (aluminum) with rain collar 5°-15°, Ø80
	T 9000 04 03 41	Angular roof plate (aluminum) with rain collar 16°-25°, Ø80
	T 9000 04 03 34	Angular roof plate (aluminum) with rain collar 26°-35°, Ø80
	T 9000 04 02 43	EPDM* gasket (internal up to 120°C), Ø80

\* for each element (except for coaxial elements) it is necessary to purchase a gasket as it is not added to the insulated articles



**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT IN THE SHAFT – Ø60/Ø100 - Ø60**

Catalogue number	Picture	Description
T 9000 04 05 01		Inspection elbow 87° (white), Ø60/Ø100
		Pipe L=250 mm (white), Ø60/Ø100
		Rosette, Ø100
		Elbow 87° with support bracket and fixing rail, Ø60
		Roof plate with intake air suction, Ø60
































**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT IN THE SHAFT (EXPANDING) – Ø60/Ø100 - Ø80**

Catalogue number	Picture	Description
T 9000 04 05 02		Inspection elbow 87° (white), Ø60/Ø100
		Pipe L=250 mm (white), Ø60/Ø100
		Rosette, Ø100
		Elbow 87° with support bracket and fixing rail, Ø60-Ø80
		Roof plate with intake air suction, Ø80


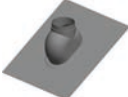





**AIR/FLUE-GAS PIPES FOR CONDENSING BOILERS - FLUE KIT THROUGH THE WALL Ø60/Ø100**

Catalogue number	Picture	Description
T 9000 04 05 03		Inspection elbow 87° (white), Ø60/Ø100
		Final pipe (vertical) L=850mm, Ø60/Ø100
		Rosette (2pcs.), Ø100






## AIR/FLUE-GAS PIPES - COAXIAL SYSTEM

Picture	Catalogue number	Description
	T 9000 04 01 01	Pipe L=2000 mm (white), Ø80/Ø125
	T 9000 04 01 02	Pipe L=1000 mm (white), Ø60/Ø100
	T 9000 04 01 03	Pipe L=1000 mm (white), Ø80/Ø125
	T 9000 04 01 04	Pipe L=500 mm (white), Ø60/Ø100
	T 9000 04 01 05	Pipe L=500 mm (white), Ø80/Ø125
	T 9000 04 01 06	Pipe L=250 mm (white), Ø60/Ø100
	T 9000 04 01 07	Pipe L=250 mm (white), Ø80/Ø125
	T 9000 04 01 08	Elbow 87° (white), Ø60/Ø100
	T 9000 04 01 09	Elbow 87° (white), Ø80/Ø125
	T 9000 04 01 10	Elbow 45° (white), Ø60/Ø100
	T 9000 04 01 11	Elbow 45° (white), Ø80/Ø125
	T 9000 04 01 12	Elbow 30° (white), Ø60/Ø100
	T 9000 04 01 13	Elbow 30° (white), Ø80/Ø125
	T 9000 04 01 14	Inspection elbow 87° (white), Ø60/Ø100
	T 9000 04 01 15	Inspection elbow 87° (white), Ø80/Ø125
	T 9000 04 01 16	Inspection T-piece 87° (expanding), Ø60/Ø100-Ø80/Ø125
	T 9000 04 01 17	Elbow with support bracket and gasket (assembly with T9000.04.02.01), Ø60/Ø100
	T 9000 04 01 18	Elbow with support bracket and gasket (assembly with T9000.04.02.01), Ø80/Ø125
	T 9000 04 02 01	Fixing rail for elbow for installation in chimney duct
	T 9000 04 01 19	Inspection pipe (white), Ø60/Ø100
	T 9000 04 01 20	Inspection pipe (white), Ø80/Ø125
	T 9000 04 01 21	Vertical terminal (black RAL9005), Ø60/Ø100
	T 9000 04 01 22	Vertical terminal (black RAL9005), Ø80/Ø125
	T 9000 04 01 23	Vertical terminal (brick RAL8004), Ø60/Ø100
	T 9000 04 01 24	Vertical terminal (brick RAL8004), Ø80/Ø125
	T 9000 04 01 25	Final pipe (vertical) L=250mm, Ø60/Ø100
	T 9000 04 01 26	Final pipe (vertical) L=250mm, Ø80/Ø125
	T 9000 04 02 02	Rosette, Ø60/Ø100
	T 9000 04 02 03	Rosette, Ø80/Ø125
	T 9000 04 02 04	Wall bracket with adjustment range 50-150mm, Ø60/Ø100
	T 9000 04 02 05	Wall bracket with adjustment range 50-150mm, Ø80/Ø125

**AIR/FLUE-GAS PIPES - COAXIAL SYSTEM**

Picture	Catalogue number	Description
	<b>T 9000 04 01 27</b>	Angular roof plate 0°-48° (black RAL9005), Ø60/Ø100
	<b>T 9000 04 01 28</b>	Angular roof plate 0°-48° (black RAL9005), Ø80/Ø125
	<b>T 9000 04 01 29</b>	Angular roof plate 0°-48° (brick RAL8004), Ø60/Ø100
	<b>T 9000 04 01 30</b>	Angular roof plate 0°-48° (brick RAL8004), Ø80/Ø125
	<b>T 9000 04 02 21</b>	Roof plate with rain collar (white), Ø60/Ø100
	<b>T 9000 04 02 22</b>	Roof plate with rain collar (white), Ø80/Ø125
	<b>T 9000 04 02 84</b>	Roof plate with rain collar (high-gloss), Ø60/Ø100
	<b>T 9000 04 02 85</b>	Roof plate with rain collar (high-gloss), Ø80/Ø125
	<b>T 9000 04 01 31</b>	Final pipe (horizontal), Ø60/Ø100
	<b>T 9000 04 01 32</b>	Final pipe (horizontal), Ø80/Ø125
	<b>T 9000 04 01 33</b>	Separator Ø80/Ø125 - 2xØ80mm
	<b>T 9000 04 01 34</b>	Enlarger Ø60/Ø100-Ø80/Ø125mm

**AIR/FLUE-GAS PIPES FOR OUTDOOR INSTALLATION - COAXIAL SYSTEM**

Picture	Catalogue number	Description
	<b>T 9000 04 05 66</b>	Transition pipe - steel/PP system to steel/PP for outdoor installation, Ø80/Ø125
	<b>T 9000 04 05 34</b>	Intermediate plate (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 54</b>	Intermediate plate with intake air suction (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 35</b>	Inspection pipe (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 36</b>	Inspection pipe with intake air suction (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 37</b>	Pipe L=1000 mm (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 38</b>	Pipe L=500 mm (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 39</b>	Pipe L=250 mm (high-gloss), Ø80/Ø125
	<b>T 9000 04 05 43</b>	Pipe with intake air suction L=250 mm (high-gloss), Ø80/Ø125













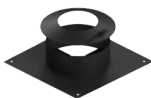

## AIR/FLUE-GAS PIPES FOR OUTDOOR INSTALLATION - COAXIAL SYSTEM

Picture	Catalogue number	Description
	T 9000 04 05 40	Elbow 15° (high-gloss), Ø80/Ø125
	T 9000 04 05 41	Elbow 30° (high-gloss), Ø80/Ø125
	T 9000 04 05 42	Elbow 45° (high-gloss), Ø80/Ø125
	T 9000 04 05 44	Vertical terminal (high-gloss), Ø80/Ø125
	T 9000 04 05 45	Vertical terminal (white), Ø80/Ø125
	T 9000 04 05 46	Vertical terminal (brick), Ø80/Ø125
	T 9000 04 05 47	Vertical terminal (black) Ø80/Ø125
	T 9000 04 05 48	Inspection T-piece 87° (high-gloss), Ø80/Ø125
	T 9000 04 05 49	Final pipe (high-gloss), Ø80/Ø125
	T 9000 04 05 50	Outdoor clamp fitting for stabilisation (high-gloss), Ø80/Ø125
	T 9000 04 05 52	Elbow 87° (high-gloss), Ø80/Ø125
	T 9000 04 05 53	Inspection elbow 87° (high-gloss), Ø80/Ø125
	T 9000 04 05 62	Plate support bracket L=350mm (2pcs.)
	T 9000 04 05 63	Plate support bracket L=500mm (2pcs.)
















**AIR/FLUE-GAS PIPES - SEPARATE SYSTEM**

Picture	Catalogue number	Description
	T 9000 04 01 35	Pipe L=2000mm, Ø80
	T 9000 04 01 36	Pipe L=1000mm, Ø80
	T 9000 04 01 37	Pipe L=500mm, Ø80
	T 9000 04 01 38	Pipe L=250mm, Ø80
	T 9000 04 01 39	Elbow 87°, Ø80
	T 9000 04 01 40	Elbow 45°, Ø80
	T 9000 04 01 41	Inspection elbow 87°, Ø80
	T 9000 04 05 69	Adjustable elbow support bracket
	T 9000 04 01 42	Short elbow with support bracket and threaded stud, Ø80
	T 9000 04 01 43	Elbow 87° with support bracket and fixing rail, Ø60-Ø80
	T 9000 04 01 44	Elbow 87° with support bracket and fixing rail, Ø80
	T 9000 04 01 45	Inspection pipe, Ø80
	T 9000 04 01 46	Roof plate with rain collar (black), Ø80
	T 9000 04 01 47	Roof plate, Ø80



## AIR/FLUE-GAS PIPES - SEPARATE SYSTEM

Picture	Catalogue number	Description
	T 9000 04 01 48	Pipe L=2000mm, Ø60
	T 9000 04 01 49	Pipe L=1000mm, Ø60
	T 9000 04 01 50	Pipe L=500mm, Ø60
	T 9000 04 01 51	Pipe L=250mm, Ø60
	T 9000 04 01 52	Elbow 87°, Ø60
	T 9000 04 01 53	Elbow 45°, Ø60
	T 9000 04 05 69	Adjustable elbow support bracket
	T 9000 04 01 54	Elbow 87° with support bracket and fixing rail, Ø60
	T 9000 04 01 55	Short elbow with support bracket and threaded stud, Ø60
	T 9000 04 07 77	Inspection pipe, Ø60
	T 9000 04 01 56	Roof plate with rain collar (black), Ø60
	T 9000 04 01 57	Roof plate, Ø60



## ELEMENTS

Picture	Catalogue number	Description
	T 9000 04 01 58	Bracing bracket, Ø60
	T 9000 04 01 59	Bracing bracket, Ø80
	T 9000 04 01 60	EPDM gasket, Ø60
	T 9000 04 01 61	EPDM gasket, Ø80
	T 9000 04 01 62	EPDM gasket, Ø100
	T 9000 04 01 63	EPDM gasket, Ø125
	T 9000 04 01 76	Flexible pipe FLEX – 10m, Ø60
	T 9000 04 01 77	Flexible pipe FLEX – 12,5m, Ø60
	T 9000 04 01 78	Flexible pipe FLEX – 15m, Ø60
	T 9000 04 01 79	Flexible pipe FLEX – 75m, Ø60
	T 9000 04 01 82	Inspection pipe FLEX, Ø60
	T 9000 04 01 80	Transition pipe PP-FLEX/PP-FLEX, Ø60
	T 9000 04 01 81	Transition pipe PP-FLEX, Ø60
	T 9000 04 01 67	Flexible pipe FLEX – 10m, Ø80
	T 9000 04 01 66	Flexible pipe FLEX – 12,5m, Ø80
	T 9000 04 01 65	Flexible pipe FLEX – 15m, Ø80
	T 9000 04 01 64	Flexible pipe FLEX – 50m, Ø80
	T 9000 04 01 68	Inspection pipe FLEX, Ø80
	T 9000 04 01 70	Transition pipe PP-FLEX/PP-FLEX, Ø80
	T 9000 04 01 69	Transition pipe PP-FLEX, Ø80
	T 9000 04 01 71	Final pipe with sling, Ø80
	T 9000 04 01 72	Enlarger, Ø60-Ø80
	T 9000 04 01 73	Protective net against birds, Ø80 - Ø100
	T 9000 04 02 06	Lubricant 30ml



## ELEMENTS

Picture	Catalogue number	Description
	T 9000 04 01 74	Bracing bracket PP-FLEX (4pcs.), Ø60
	T 9000 04 01 75	Bracing bracket PP-FLEX (4pcs.), Ø80
	T 9000 04 02 07	Roof plate with intake air suction, Ø60
	T 9000 04 02 08	Roof plate with intake air suction, Ø80




## ACCESSORIES FOR CASCADE SYSTEMS AND LAS SYSTEMS - WITH NON-RETURN FLAP

Picture	Catalogue number	Description
	T 9000 04 02 90	Pipe with non-return flap and gasket, Ø80/Ø125
	T 9000 04 05 61	Pipe with non-return flap and gasket, Ø80













## ADAPTERS FOR CONDENSING BOILERS

Picture	Catalogue number	Description
	T 9000 04 02 47	Adapter for condensing boilers with power up to 55 kW (with measuring points), Ø60/Ø100
	T 9000 04 02 48	Adapter for condensing boilers with power up to 55 kW (with measuring points), Ø80/Ø125
	T 9000 04 02 98	Set of adapters for separate system 2xØ80 mm

## INSPECTION PIPES FOR ASSEMBLY WITH ADAPTERS T 9000 04 02 47 AND T 9000 04 02 48

Picture	Catalogue number	Description
	T 9000 04 02 40	Inspection pipe with gasket, Ø60/Ø100
	T 9000 04 02 41	Inspection pipe with gasket, Ø80/Ø125
	T 9000 04 08 04	Inspection T-piece 87° with gasket, Ø60/Ø100
	T 9000 04 08 05	Inspection T-piece 87° with gasket, Ø80/Ø125
	T 9000 04 08 06	Inspection T-piece 87° with gasket (expanding), Ø60/100-80/125

**AIR/FLUE-GAS PIPES FOR HIGH-POWER BOILERS**

Picture	Catalogue number	Description
	<b>T 9000 04 02 68</b>	Pipe L=1000 with gasket, Ø100
	<b>T 9000 04 02 69</b>	Pipe L=500 with gasket, Ø100
	<b>T 9000 04 02 70</b>	Pipe L=250 with gasket, Ø100
	<b>T 9000 04 02 71</b>	Elbow 87° with gasket, Ø100
	<b>T 9000 04 02 72</b>	Elbow 87° with support bracket and gasket, Ø100
	<b>T 9000 04 02 73</b>	Elbow 45° with gasket, Ø100
	<b>T 9000 04 02 74</b>	Inspection pipe with gasket, Ø100
	<b>T 9000 04 02 75</b>	Roof plate with rain collar, Ø100
	<b>T 9000 04 02 76</b>	Rain collar, Ø100
	<b>T 9000 04 02 89</b>	Pipe cut at 45° with mesh L=500mm, Ø100
	<b>T 9000 04 05 18</b>	Umbrella, Ø100
	<b>T 9000 04 02 44</b>	EPDM gasket (internal up to 120°C), Ø100



Inspection hatch  
with condensate drain

Elbow 90°

T-piece 45°

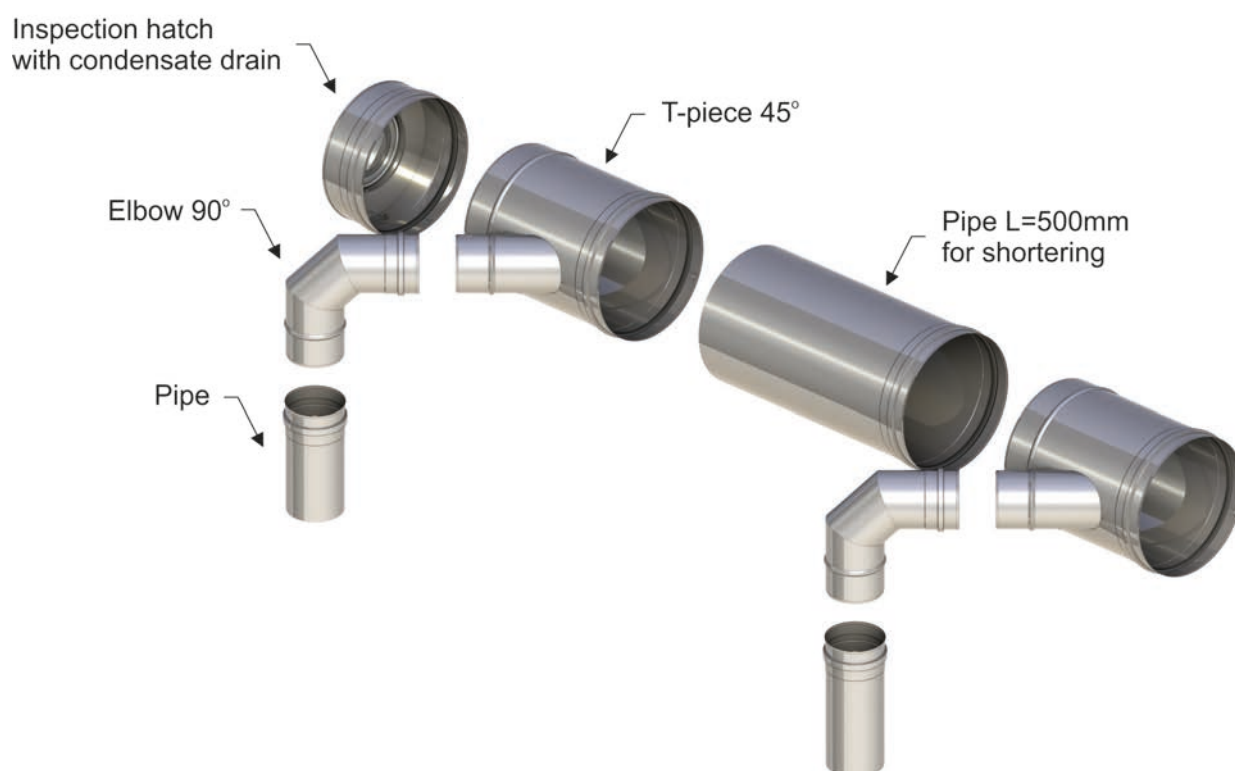
Pipe L=250mm  
for shortening

For ECOCONDENS CRYSTAL PLUS-50 boilers, it is necessary to use the adapter (T 9000 04 02 48), and enlarger Ø80-Ø100 mm with gasket (T 9000 04 05 31)

\*the number of T-pieces, pipes and elbows depends on the selected system

#### STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER UP TO 55KW (SEPARATE SYSTEM)

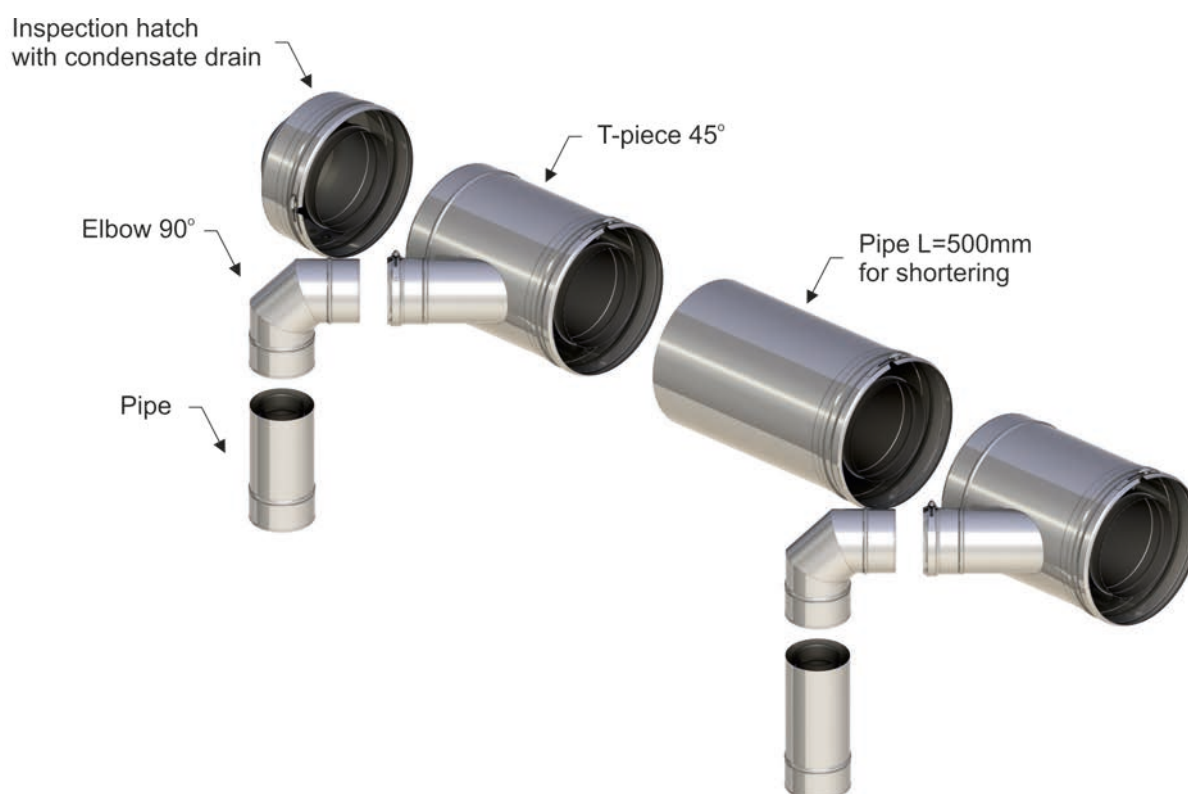
Catalogue number	Description
T 9000 04 05 19	Flue gas set for 2 boilers working in cascade Ø130
T 9000 04 05 20	Flue gas set for 2 boilers working in cascade Ø150
T 9000 04 05 21	Flue gas set for 2 boilers working in cascade Ø180
T 9000 04 05 22	Flue gas set for 2 boilers working in cascade Ø200
T 9000 04 05 23	Flue gas set for 3 boilers working in cascade Ø130
T 9000 04 05 24	Flue gas set for 3 boilers working in cascade Ø150
T 9000 04 05 25	Flue gas set for 3 boilers working in cascade Ø180
T 9000 04 05 26	Flue gas set for 3 boilers working in cascade Ø200



\*the number of T-pieces, pipes and elbows depends on the selected system

#### STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER ABOVE 55KW (SEPARATE SYSTEM)

Catalogue number	Description
T 9000 04 05 08	Flue gas set for 2 boilers working in cascade Ø150
T 9000 04 05 09	Flue gas set for 2 boilers working in cascade Ø180
T 9000 04 05 10	Flue gas set for 3 boilers working in cascade Ø180
T 9000 04 05 11	Flue gas set for 3 boilers working in cascade Ø200
T 9000 04 05 12	Flue gas set for 4 boilers working in cascade Ø200
T 9000 04 05 13	Flue gas set for 4 boilers working in cascade Ø250
T 9000 04 05 14	Flue gas set for 5 boilers working in cascade Ø250
T 9000 04 05 15	Flue gas set for 5 boilers working in cascade Ø300
T 9000 04 05 16	Flue gas set for 6 boilers working in cascade Ø250
T 9000 04 05 17	Flue gas set for 6 boilers working in cascade Ø300



\*the number of T-pieces, pipes and elbows depends on the selected system

#### STEEL FLUE DUCTS FOR CASCADE SYSTEMS - BOILERS WITH POWER ABOVE 55KW (COAXIAL SYSTEM)

Catalogue number	Description
T 9000 04 04 01	Flue gas set for 2 boilers working in cascade Ø150/Ø200 (outputs: Ø80/Ø125)
T 9000 04 04 03	Flue gas set for 2 boilers working in cascade Ø180/Ø250 (outputs: Ø80/Ø125)
T 9000 04 04 04	Flue gas set for 3 boilers working in cascade Ø180/Ø250 (outputs: Ø80/Ø125)
T 9000 04 04 05	Flue gas set for 2 boilers working in cascade Ø180/Ø290 (outputs: Ø80/Ø125)
T 9000 04 04 07	Flue gas set for 3 boilers working in cascade Ø180/Ø290 (outputs: Ø80/Ø125)
T 9000 04 04 09	Flue gas set for 2 boilers working in cascade Ø200/Ø300 (outputs: Ø80/Ø125)
T 9000 04 04 10	Flue gas set for 3 boilers working in cascade Ø200/Ø300 (outputs: Ø80/Ø125)
T 9000 04 04 11	Flue gas set for 4 boilers working in cascade Ø200/Ø300 (outputs: Ø80/Ø125)
T 9000 04 04 12	Flue gas set for 3 boilers working in cascade Ø250/Ø350 (outputs: Ø80/Ø125)
T 9000 04 04 13	Flue gas set for 4 boilers working in cascade Ø250/Ø350 (outputs: Ø80/Ø125)
T 9000 04 04 14	Flue gas set for 4 boilers working in cascade Ø300/Ø400 (outputs: Ø80/Ø125)



**Termet S.A.**

Długa str. 13  
58-160 Świebodzice  
Polska

**P:** +48 74 85 60 801

**F:** +48 74 85 40 884

**E:** [termet@termet.com.pl](mailto:termet@termet.com.pl)

**[www.termet.com.pl](http://www.termet.com.pl)**

**Export Department**

**P:** +48 74 85 60 675

**E:** [export@termet.com.pl](mailto:export@termet.com.pl)



**TERMETPL**



**TERMET\_PL**