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**GAS CONDENSING BOILERS** (1-7)

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compliance with ErP

**D.H.W. TANKS** (17-18)

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**WALL-HUNG BOILERS** (23-26)

# PRODUCTS CATALOGUE

01/2018



## GAS CONDENSING BOILERS

# ECOCONDENS GOLD PLUS

### SYSTEM BOILERS:

ECOCONDENS GOLD PLUS 20 power: 3,0 - 21,0 kW (50/30°C)

ECOCONDENS GOLD PLUS 25 power: 3,0 - 27,0 kW (50/30°C)

ECOCONDENS GOLD PLUS 35 power: 4,5 - 36,9 kW (50/30°C)

### COMBI BOILERS:

#### C.H.

ECOCONDENS GOLD PLUS 20 power: 3,0 - 21,0 kW (50/30°C)

ECOCONDENS GOLD PLUS 25 power: 3,0 - 27,0 kW (50/30°C)

ECOCONDENS GOLD PLUS 35 power: 4,5 - 36,9 kW (50/30°C)

#### D.H.W.

power: 2,8 - 19,0 kW (80/60°C)

power: 2,8 - 26,6 kW (80/60°C)

power: 4,1 - 33,6 kW (80/60°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- heat exchanger made of stainless steel
- modulating fan
- new generation **BLUEJET®** burner:
  - wide range of modulation: 11%-100%
  - improved flame detection
  - reduced pollutant emissions
- weather regulation available
- **OPEN-THERM** system available
- **0-10 V system available**

- low level of NOx emission (NOx - 5 class)
- modern control panel with electronic display



MOBILE APP  
Service Version



GAS CONDENSING BOILERS

## D.H.W. SYSTEM

### SYSTEM BOILERS

- work with domestic hot water tank by three-way valve (pre-installed in the boiler)

### COMBI BOILERS

High comfort for d.h.w. at  $\Delta t$  30°C:

- 9,0 l/min (ECOCONDENS GOLD PLUS 20)

- 13,0 l/min (ECOCONDENS GOLD PLUS 25)

- 17,0 l/min (ECOCONDENS GOLD PLUS 35)

## TECHNICAL DATA

PARAMETERS		SYSTEM BOILERS			COMBI BOILERS		
		20 kW	25 kW	35 kW	20 kW	25 kW	35 kW
Seasonal space heating energy efficiency class		A	A	A	A	A	A
Rated heat output	$P_{rated}$ kW	19	25	34	19	25	34
Annual energy consumption	$Q_{HE}$ GJ	39,0	50,6	68,5	39,0	50,6	68,5
Seasonal space heating energy efficiency	$\eta_s$ %	91	90	91	91	90	91
Modulation range	%	11-100	11-100	11-100	11-100	11-100	11-100
Maximum central heating water pressure	bar	3	3	3	3	3	3
Declared load profile		-	-	-	L	XL	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	$\eta_{WH}$ %	-	-	-	81	81	82
Water flow at $\Delta t$ 30°C	l/min	-	-	-	9,0	13,0	17,0
Water pressure in d.h.w. circuit	bar	-	-	-	0,1-6,0	0,1-6,0	0,1-6,0
Sound power level	$L_{WA}$ dB	48	48	48	48	48	48
Annual fuel consumption	AFC GJ	-	-	-	11	18	18
Chimney connection	mm	Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2 single $\varnothing 80$					
Dimensions (height x width x depth)	mm	750x400x349	750x400x349	750x400x379	750x400x349	750x400x349	750x400x379
Net weight	kg	32	33	34	34	35	36

## ACCESSORIES



WIRELESS/WIRE, WEEKLY PROGRAMMABLE room temperature regulator  
**termet ST-292 V2** - wireless  
**termet ST-292 V3** - wire



EVOHOME CENTRAL CONTROLLER with Wi-Fi



WI-FI SMART THERMOSTAT

## GAS CONDENSING BOILERS IDEAL FOR INSTALLATION IN A CABINET

# ECOCONDENS SLIM



### SYSTEM BOILERS:

ECOCONDENS SLIM 20 power: 3,0 - 22,0 kW (50/30°C)

### COMBI BOILERS:

#### C.H.

ECOCONDENS SLIM 20 power: 3,0 - 22,0 kW (50/30°C)

#### D.H.W.

ECOCONDENS SLIM 20 power: 2,7 - 25,0 kW (80/60°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- modern heat exchanger
  - outer casing made of aluminium
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- modulation range: 13%-100%
- weather regulation available
- **OPEN-THERM** system available
- low level of NOx emission (NOx - 5 class)
- modern control panel with electronic display
- possibility to combine into the cascade system
- 8 l expansion vessel

## D.H.W. SYSTEM

### SYSTEM BOILERS:

- work with domestic hot water tank by three-way valve (pre-installed in the boiler)

### COMBI BOILERS:

High comfort of d.h.w. at  $\Delta t$  30°C:

- 12,0 l/min (ECOCONDENS SLIM 20)

## TECHNICAL DATA

PARAMETERS			system boilers	combi boilers
			20 kW	20/25 kW
Seasonal space heating energy efficiency class			A	A
Rated heat output	$P_{rated}$ kW		20	20 - c.h. 25 - d.h.w.
Annual energy consumption	$Q_{HE}$ GJ		40,8	40,8
Seasonal space heating energy efficiency	$\eta_s$ %		91	91
Modulation range	%		13-100	13-100
Maximum central heating water pressure	bar		3	3
Declared load profile			-	L
Water heating energy efficiency class			-	A
Water heating energy efficiency	$\eta_{WH}$ %		-	81
Water flow at $\Delta t$ 30°C	l/min		-	12,0
Water pressure in d.h.w. circuit	bar		-	0,1-6,0
<b>Sound power level</b>	$L_{WA}$ dB		<b>48</b>	<b>48</b>
Annual fuel consumption	AFC GJ		-	11
Chimney connection	mm		Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2x $\varnothing 80$ by adapter TWIN	
Dimensions (height x width x depth)	mm		774x400x250	
Net weight	kg		31,5	33,5



## ACCESSORIES



GAS CONDENSING BOILERS





## GAS CONDENSING BOILERS

# ECOCONDENS SILVER

### SYSTEM BOILERS:

ECOCONDENS SILVER 20 power: 3,0 - 22,0 kW (50/30°C)

ECOCONDENS SILVER 25 power: 4,3 - 26,5 kW (50/30°C)

ECOCONDENS SILVER 35 power: 4,5 - 38,2 kW (50/30°C)

### COMBI BOILERS:

#### C.H.

ECOCONDENS SILVER 20 power: 3,0 - 22,0 kW (50/30°C)

ECOCONDENS SILVER 25 power: 4,3 - 26,5 kW (50/30°C)

ECOCONDENS SILVER 35 power: 4,5 - 38,2 kW (50/30°C)

#### D.H.W.

power: 2,7 - 25,0 kW (80/60°C)

power: 3,9 - 30,0 kW (80/60°C)

power: 4,1 - 40,0 kW (80/60°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- modern heat exchanger
  - outer casing made of aluminium
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- modulation range: 12%-100%
- weather regulation available
  - **OPEN-THERM** system available
  - low level of NOx emission (NOx - 5 class)
  - modern control panel with electronic display

## D.H.W. SYSTEM

### SYSTEM BOILERS

- work with domestic hot water tank by three-way valve (pre-installed in the boiler)

### COMBI VERSION

**Very high comfort of d.h.w. at Δt 30°C:**

- 12,0 l/min (ECOCONDENS SILVER 20)

- 14,0 l/min (ECOCONDENS SILVER 25)

- 19,0 l/min (ECOCONDENS SILVER 35)

## TECHNICAL DATA

PARAMETERS	SYSTEM BOILERS			COMBI BOILERS			
	20 kW	24 kW	35 kW	20 kW	24 kW	35 kW	
Seasonal space heating energy efficiency class			A	A	A	A	
Rated heat output	<b>P<sub>rated</sub></b> kW	20	24	35	20 - c.h. 25 - d.h.w.	24 - c.h. 30 - d.h.w.	35 - c.h. 40 - d.h.w.
Annual energy consumption	<b>Q<sub>HE</sub></b> GJ	40,8	48,4	69,7	40,8	48,4	69,7
Seasonal space heating energy efficiency	<b>η<sub>s</sub></b> %	91	92	92	91	92	92
Modulation range	%	13-100	16-100	12-100	13-100	16-100	12-100
Maximum central heating water pressure	bar	3	3	3	3	3	3
Declared load profile		-	-	-	L	XL	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	<b>η<sub>WH</sub></b> %	-	-	-	81	82	82
Water flow at Δt 30°C	l/min	-	-	-	12,0	14,0	19,0
Water pressure in d.h.w. circuit	bar	-	-	-	0,1-6,0	0,1-6,0	0,1-6,0
<b>Sound power level</b>	<b>L<sub>WA</sub></b> dB	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
Annual fuel consumption	<b>AFC</b> GJ	-	-	-	11	18	18
Chimney connection	mm	Concentric Ø80/Ø125, Ø60/Ø100 or 2 single Ø80					
Dimensions (height x width x depth)	mm	785x400x334	785x400x334	785x400x334	758x400x334	785x400x334	785x400x334
Net weight	kg	31,5	32,5	37,5	33,5	34,5	39,5



## ACCESSORIES



**WIRELESS/WIRE, WEEKLY PROGRAMMABLE**  
room temperature regulator  
**termet ST-292 V2 - wireless**  
**termet ST-292 V3 - wire**



**REMOTE CONTROLLED REGULATOR**  
Compatible with Open-Therm  
**Easy Remote**



**EVOHOME CENTRAL CONTROLLER** with WI-FI



**WI-FI SMART THERMOSTAT**



## GAS CONDENSING BOILERS

# EcoCONDENS SILVER PLUS



### SYSTEM BOILERS:

EcoCONDENS SILVER PLUS 20 power: 3,0 - 22,0 kW (50/30°C)

EcoCONDENS SILVER PLUS 25 power: 4,3 - 26,5 kW (50/30°C)

EcoCONDENS SILVER PLUS 35 power: 4,5 - 38,2 kW (50/30°C)

### COMBI BOILERS:

EcoCONDENS SILVER PLUS 20 power: 3,0 - 22,0 kW (50/30°C)

EcoCONDENS SILVER PLUS 25 power: 4,3 - 26,5 kW (50/30°C)

EcoCONDENS SILVER PLUS 35 power: 4,5 - 38,2 kW (50/30°C)

### C.H.

### D.H.W.

power: 2,7 - 25,0 kW (80/60°C)

power: 3,9 - 30,0 kW (80/60°C)

power: 4,1 - 40,0 kW (80/60°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- modern heat exchanger
  - outer casing made of aluminium
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- modulation range: 12%-100%
- weather regulation available
- **OPEN-THERM** system available
- low level of NOx emission (NOx - 5 class)
- **0-10 V system available**
- modern control panel with electronic display



**MOBILE APP**  
Service Version

## ACCESSORIES



**WIRELESS/WIRE, WEEKLY PROGRAMMABLE**  
room temperature regulator  
**termet ST-292 V2** - wireless  
**termet ST-292 V3** - wire



**EVOHOME CENTRAL CONTROLLER** with Wi-Fi



**WI-FI SMART THERMOSTAT**

## D.H.W. SYSTEM

### SYSTEM BOILERS

- work with domestic hot water tank by three-way valve (pre-installed in the boiler)

### COMBI VERSION

**Very high comfort of d.h.w. at  $\Delta t$  30°C:**

- 12,0 l/min (EcoCONDENS SILVER PLUS 20)

- 14,0 l/min (EcoCONDENS SILVER PLUS 25)

- 19,0 l/min (EcoCONDENS SILVER PLUS 35)

## TECHNICAL DATA

PARAMETERS	SYSTEM BOILERS			COMBI BOILERS			
	20 kW	24 kW	35 kW	20 kW	24 kW	35 kW	
Seasonal space heating energy efficiency class			A	A	A	A	
Rated heat output	<b>P<sub>rated</sub></b> <b>kW</b>	20	24	35	20 - c.h. 25 - d.h.w.	24 - c.h. 30 - d.h.w.	35 - c.h. 40 - d.h.w.
Annual energy consumption	<b>Q<sub>HE</sub></b> <b>GJ</b>	40,8	48,4	69,7	40,8	48,4	69,7
Seasonal space heating energy efficiency	<b>η<sub>s</sub></b> <b>%</b>	91	92	92	91	92	92
Modulation range	<b>%</b>	13-100	16-100	12-100	13-100	16-100	12-100
Maximum central heating water pressure	<b>bar</b>	3	3	3	3	3	3
Declared load profile		-	-	-	L	XL	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	<b>η<sub>WH</sub></b> <b>%</b>	-	-	-	81	82	82
Water flow at $\Delta t$ 30°C	<b>l/min</b>	-	-	-	12,0	14,0	19,0
Water pressure in d.h.w. circuit	<b>bar</b>	-	-	-	0,1-6,0	0,1-6,0	0,1-6,0
<b>Sound power level</b>	<b>L<sub>WA</sub></b> <b>dB</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
Annual fuel consumption	<b>AFC</b> <b>GJ</b>	-	-	-	11	18	18
Chimney connection	<b>mm</b>	Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2 single $\varnothing 80$					
Dimensions (height x width x depth)	<b>mm</b>	785x400x334	785x400x334	785x400x334	758x400x334	785x400x334	785x400x334
Net weight	<b>kg</b>	31,5	31,5	37,5	33,5	33,5	39,5

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GAS CONDENSING BOILERS



## GAS CONDENSING BOILERS WITH INTEGRATED HOT WATER TANK

# ECOCONDENS INTEGRA II PLUS

### COMBI BOILERS

### C.H.

### D.H.W.

ECOCONDENS INTEGRA II PLUS 20 power: 3,0 - 22,0 kW (50/30°C) 2,7 - 25,0 kW (80/60°C)

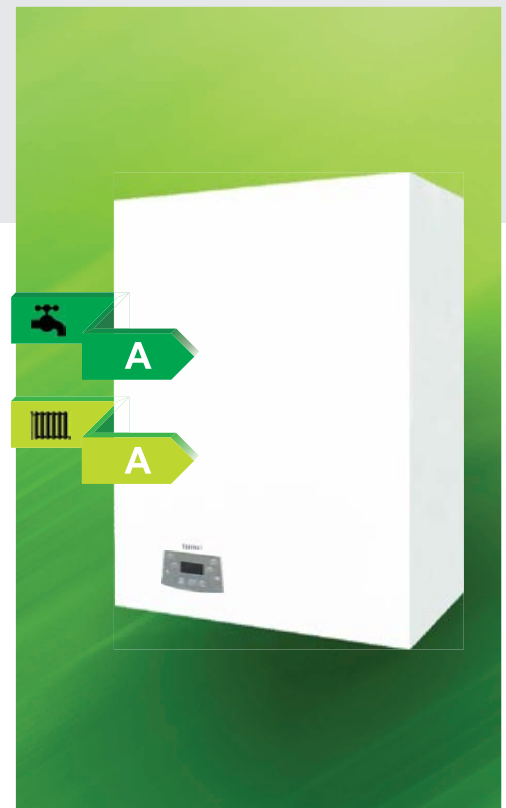
ECOCONDENS INTEGRA II PLUS 25 power: 4,3 - 26,5 kW (50/30°C) 3,9 - 30,0 kW (80/60°C)

## TECHNICAL FEATURES

- condensing boiler with integrated 48 l hot water tank made of stainless steel INOX
- modulating pump (PWM signal) with automatic air vent
- modern burner provide wide range of modulation: 13%-100%
- modern heat exchanger:
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- modulating fan
- weather regulation available
- **OPEN-THERM** system available
- low level of NOx emission (NOx - 5 class)
- **0-10 V system available**
- modern control panel with electronic display
- very quiet operation
- anty-legionella function (automatic/manual)



MOBILE APP  
Service Version



## ACCESSORIES



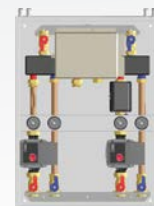
WIRELESS/WIRE, WEEKLY  
PROGRAMMABLE  
room temperature regulator  
**termet ST-292 V2** - wireless  
**termet ST-292 V3** - wire



EVOHOME CENTRAL  
CONTROLLER with WI-FI



WI-FI SMART  
THERMOSTAT



MULTI-ZONE  
HYDRAULIC  
SEPARATOR



OUTDOOR TEMPERATURE  
SENSOR

## D.H.W. SYSTEM

- tank capacity - 48 l
- tank and coil made of stainless steel INOX

### WATER FLOW:

High comfort of d.h.w. at  $\Delta t$  30°C:

- 12,4 l/min (ECOCONDENS INTEGRA II PLUS 20)
- 13,1 l/min (ECOCONDENS INTEGRA II PLUS 25)

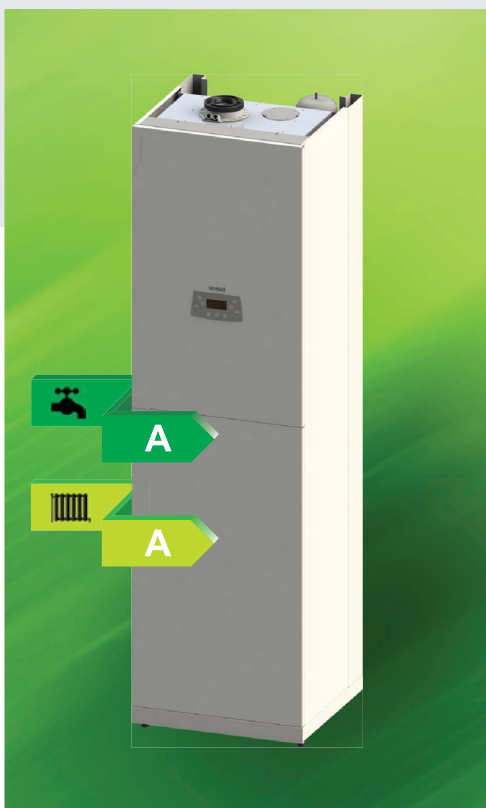
## TECHNICAL DATA

PARAMETERS		20 kW	25 kW
Seasonal space heating energy efficiency class		A	A
Rated heat output	$P_{rated}$ kW	20	24
Annual energy consumption	$Q_{HE}$ GJ	40,8	48,4
Seasonal space heating energy efficiency	$\eta_s$ %	91	92
Modulation range	%	13-100	16-100
Maximum central heating water pressure	bar	3	3
Declared load profile		L	XL
Water heating energy efficiency class		A	A
Water heating energy efficiency	$\eta_{WH}$ %	81	81
Water flow at $\Delta t$ 30°C	l/min	12,4	13,1
Water pressure in d.h.w. circuit	bar	0,1-6,0	0,1-6,0
Sound power level	$L_{WA}$ dB	54	54
Annual fuel consumption	AFC GJ	11	18
Integrated tank capacity	l	48	48
Chimney connection	mm	Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2 single x $\varnothing 80^*$	
Dimensions (height x width x depth)	mm	937x690x410	
Net weight	kg	63	65

\*by using TWIN adapter

## GAS CONDENSING BOILERS WITH INTEGRATED HOT WATER TANK

# ECOCONDENS SOLID PLUS



### COMBI BOILERS

	C.H.	D.H.W.
ECOCONDENS SOLID PLUS 20	power: 3,0 - 22,0 kW (50/30°C)	power: 2,7 - 25,0 kW (80/60°C)
ECOCONDENS SOLID PLUS 25	power: 4,3 - 26,5 kW (50/30°C)	power: 3,9 - 30,0 kW (80/60°C)
ECOCONDENS SOLID PLUS 35	power: 4,5 - 38,2 kW (50/30°C)	power: 3,9 - 30,0 kW (80/60°C)

## TECHNICAL FEATURES

- condensing boiler with integrated 107 l hot water tank made of stainless steel INOX
- modern burner provide wide range of modulation: 12%-100%
- modulating pump (PWM signal) with automatic air vent
- heat exchanger made of stainless steel
- modulating fan
- modern heat exchanger:
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- weather regulation available
- **OPEN-THERM** system available
- low level of NOx emission (NOx - 5 class)
- **0-10 V system available**
- modern control panel with electronic display
- very quiet operation
- anty-legionella function



MOBILE APP  
Service Version

## ACCESSORIES



**WIRELESS/WIRE, WEEKLY PROGRAMMABLE**  
room temperature regulator  
**termet ST-292 V2** - wireless  
**termet ST-292 V3** - wire



**EVOHOME CENTRAL CONTROLLER** with WI-FI



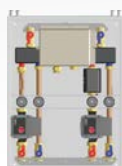
**WI-FI SMART THERMOSTAT**



**LEFT CONNECTION SET**



**RIGHT CONNECTION SET**



**MULTI-ZONE HYDRAULIC SEPARATOR**



**OUTDOOR TEMPERATURE SENSOR**

## D.H.W. SYSTEM

- tank capacity - 107 l
- coil capacity - 5,0 m<sup>2</sup>
- coil power - 30 kW
- tank and coil made of stainless steel INOX

### WATER FLOW:

High comfort of d.h.w. at  $\Delta t$  30°C:

- 12,4 l/min (ECOCONDENS SOLID PLUS 20)
- 13,1 l/min (ECOCONDENS SOLID PLUS 25)
- 13,1 l/min (ECOCONDENS SOLID PLUS 35)

## TECHNICAL DATA

PARAMETERS		20 kW	25 kW	35 kW
Seasonal space heating energy efficiency class		A	A	A
Rated heat output	<b>P<sub>rated</sub></b> kW	19	25	35
Annual energy consumption	<b>Q<sub>HE</sub></b> GJ	39	50,6	68,5
Seasonal space heating energy efficiency	<b>η<sub>s</sub></b> %	91	90	92
Modulation range	%	13-100	16-100	12-100
Maximum central heating water pressure	bar	3	3	3
Declared load profile		XL	XL	XL
Water heating energy efficiency class		A	A	A
Water heating energy efficiency	<b>η<sub>WH</sub></b> %	81	81	82
Water flow at $\Delta t$ 30°C	l/min	12,4	13,1	13,1
Water pressure in d.h.w. circuit	bar	0,1-6,0	0,1-6,0	0,1-6,0
Sound power level	<b>L<sub>WA</sub></b> dB	48	48	48
Annual fuel consumption	<b>AFC</b> GJ	11	18	18
Integrated tank capacity	l	107	107	107
Chimney connection	mm	Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2 single $\varnothing 80$		
Dimensions (height x width x depth)	mm	1869x520x490		
Net weight	kg	94	96	98

GAS CONDENSING BOILERS





## GAS CONDENSING BOILERS

# ECOCONDENS CRYSTAL II PLUS

### SYSTEM BOILERS:

ECOCONDENS CRYSTAL II PLUS 20 power: 3,0 - 22,0 kW (50/30°C)

ECOCONDENS CRYSTAL II PLUS 25 power: 4,3 - 26,5 kW (50/30°C)

ECOCONDENS CRYSTAL II PLUS 35 power: 4,5 - 38,2 kW (50/30°C)

### COMBI BOILERS:

#### C.H.

ECOCONDENS CRYSTAL II PLUS 20 power: 3,0 - 22,0 kW (50/30°C)

ECOCONDENS CRYSTAL II PLUS 25 power: 4,3 - 26,5 kW (50/30°C)

ECOCONDENS CRYSTAL II PLUS 35 power: 4,5 - 38,2 kW (50/30°C)

#### D.H.W.

power: 2,7 - 25,0 kW (80/60°C)

power: 3,9 - 30,0 kW (80/60°C)

power: 4,1 - 40,0 kW (80/60°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- modern heat exchanger
  - outer casing made of aluminium
  - single spacious coil of heat exchanger made of stainless steel
  - ensures constant water flow over a long lifecycle
  - reduces debris accumulation
- modulation range: 12%-100%
- weather compensation available
- **OPEN-THERM** system available
- low level of NOx emission (NOx - 5 class)

- modern control panel with electronic display
- possibility to combine into the cascade system

## D.H.W. SYSTEM

### SYSTEM BOILERS

- work with domestic hot water tank by three-way valve (pre-installed in the boiler)

### COMBI VERSION

High comfort of d.h.w. at  $\Delta t$  30°C:

- 12,0 l/min (ECOCONDENS CRYSTAL II PLUS 20)

- 14,0 l/min (ECOCONDENS CRYSTAL II PLUS 25)

- 19,0 l/min (ECOCONDENS CRYSTAL II PLUS 35)

## TECHNICAL DATA

PARAMETERS		SYSTEM BOILERS			COMBI BOILERS		
		20 kW	24 kW	35 kW	20 kW	24 kW	35 kW
Seasonal space heating energy efficiency class		A	A	A	A	A	A
Rated heat output	$P_{rated}$ kW	20	24	35	20 - c.h. 25 - d.h.w.	24 - c.h. 30 - d.h.w.	35 - c.h. 40 - d.h.w.
Annual energy consumption	$Q_{HE}$ GJ	40,8	48,4	69,7	40,8	48,4	69,7
Seasonal space heating energy efficiency	$\eta_s$ %	91	92	92	91	92	92
Modulation range	%	13-100	16-100	12-100	13-100	16-100	12-100
Maximum central heating water pressure	bar	3	3	3	3	3	3
Declared load profile		-	-	-	L	XL	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	$\eta_{WH}$ %	-	-	-	81	82	82
Water flow at $\Delta t$ 30°C	l/min	-	-	-	12,0	14,0	19,0
Water pressure in d.h.w. circuit	bar	-	-	-	0,1-6,0	0,1-6,0	0,1-6,0
<b>Sound power level</b>	$L_{WA}$ dB	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
Annual fuel consumption	AFC GJ	-	-	-	11	18	18
Chimney connection	mm	Concentric $\varnothing 80/\varnothing 125$ , $\varnothing 60/\varnothing 100$ or 2 single $\varnothing 80$					
Dimensions (height x width x depth)	mm	785x400x334	785x400x334	785x400x334	758x400x334	785x400x334	785x400x334
Net weight	kg	31,5	31,5	37,5	33,5	33,5	39,5



## ACCESSORIES



# SAVE ENERGY THROUGH BETTER CONTROL



## Control your heating system whenever you want, wherever you are

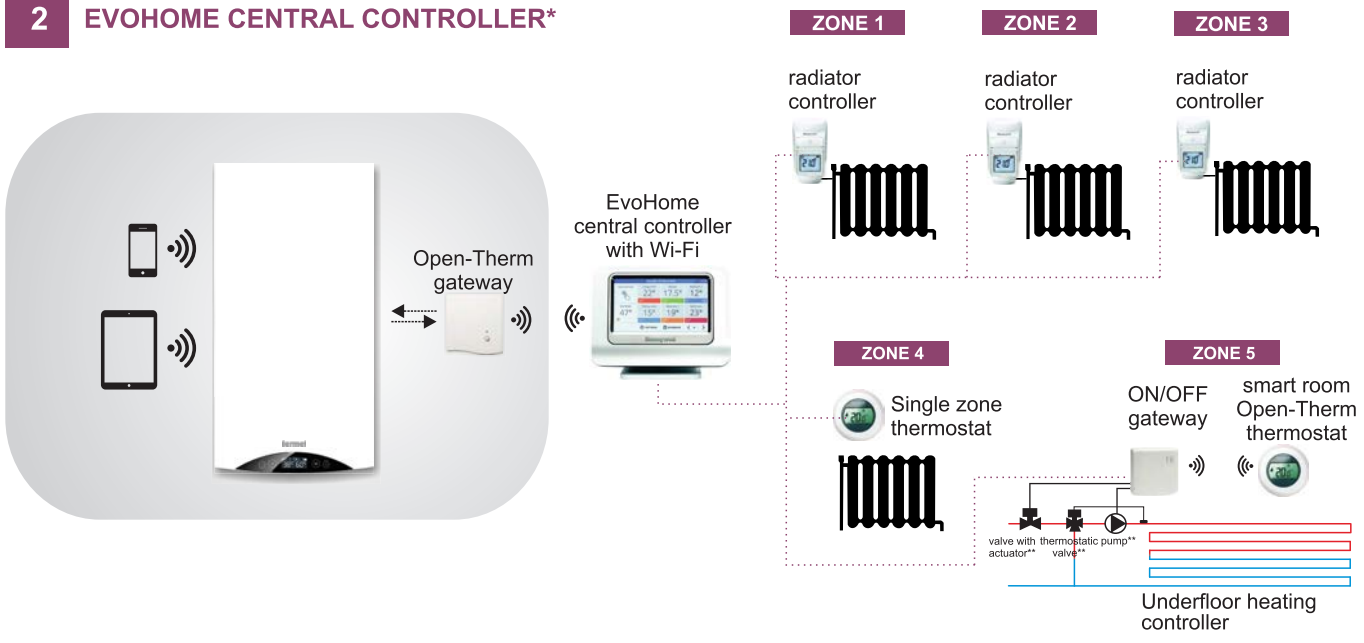
### 1 SMART OPEN-THERM THERMOSTAT\*



\*Set includes: smart room Open-Therm thermostat, Wi-Fi gateway and Open-Therm or ON/OFF gateway (depends on boiler model)

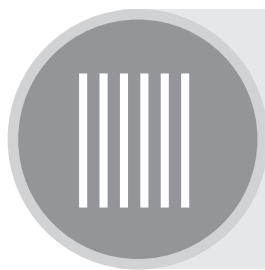
## Optimise your home for your comfort

### 2 EVOHOME CENTRAL CONTROLLER\*



\*Set includes: EvoHome central controller with Wi-Fi, Wi-Fi gateway and Open-Therm or ON/OFF gateway (depends on boiler model)

\*\*Not included with the set



# CASCADE SYSTEMS

## ECOCONDENS

### CRYSTAL PLUS-50

#### SYSTEM BOILERS

ECOCONDENS CRYSTAL PLUS-50 power: 6,1 - 49,6 kW (50/30°C)

## TECHNICAL FEATURES

- modulating pump (PWM signal) with automatic air vent
- modern heat exchanger made of stainless steel
- modulating fan
- new generation **BLUEJET®** burner:
  - wide range of modulation: 11%-100%
  - improved flame detection
  - reduced pollutant emissions
- weather regulation available
- **OPEN-THERM** system available
- cylinder burner made of stainless steel with **low level of NOx emissions (NOx - 5 class)**
- modern control panel with electronic display
- hydraulic group (hydroblock) assembled on quick-connectors
- full self-diagnostics



## CASCADE CONNECTION

- from 2 to 4 boilers with cascade manager AX 1203SQ and **OPEN-THERM** regulator CR 11011
- from 2 to 5 boilers with cascade manager AX 5200 SQ (maximum 3 managers - 15 boilers)

## TECHNICAL DATA

PARAMETERS		50 kW
Seasonal space heating energy efficiency class		A
Rated heat output	<b>P<sub>rated</sub></b> <b>kW</b>	45
Annual energy consumption	<b>Q<sub>HE</sub></b> <b>GJ</b>	93,1
Seasonal space heating energy efficiency	<b>η<sub>s</sub></b> <b>%</b>	91
Sound power level	<b>L<sub>WA</sub></b> <b>dB</b>	65
Nominal heat load	<b>kW</b>	5,7-46,2
Efficiency of the boiler at partial load and return water temperature 30°C	<b>%</b>	107,7
Max temperature (central heating)	<b>°C</b>	95
Standard adjustable temperature	<b>°C</b>	20-80
Reduced adjustable temperature	<b>°C</b>	20-55
Pump head	<b>kPa (bar)</b>	70 (0,7)
NOx emission	<b>class</b>	5
Max. amount of condensate (natural gas)	<b>l/h</b>	4,7
Max. water pressure	<b>bar</b>	3
Expansion vessel capacity	<b>l</b>	8
Air pressure in expansion vessel	<b>bar</b>	0,8 <sub>0,2</sub>
Supply voltage	<b>V</b>	~230±10%/50Hz
Protection class	-	IP-44
Power consumption	<b>W</b>	250
Heating water flow/return	<b>inch</b>	G3/4
Chimney connection	<b>mm</b>	Concentric Ø60/Ø100/Ø80/Ø125 or 2 single Ø80 x Ø80
Dimensions (height x width x depth)	<b>mm</b>	730x400x440
Net weight	<b>kg</b>	36

## ACCESSORIES



#### CASCADE MANAGER AX 5200SQ

- cascade control from 2 to 5 boilers
- possibility to connect max 3 managers, and to control a cascade consisting of 15 boilers
- appliance is equipped with outdoor temperature sensor and supply water temperature sensor
- management zones with zone heating controller type AX 5100ZN (see below)



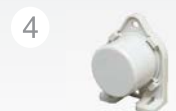
#### HEATING ZONE MANAGER AX 5100ZN

- control of 2 heating zones
- compatible with manager type AX 5200SQ
- appliance is equipped with outdoor temperature sensor and supply water temperature sensor



#### CASCADE MANAGER AX 1203SQ

- cascade control from 2 to 4 boilers
- Consist of:
  - Cascade manager type AX 1203SQ
  - Open-therm regulator type CR 11011
- equipped with outdoor temperature sensor and supply temperature sensor



#### OUTDOOR TEMPERATURE SENSOR



#### FUME SYSTEM

Flue gas exhaust from 2 to 5 boilers working in cascade (quantity of elements - according to the project)



#### HYDRAULIC COUPLING



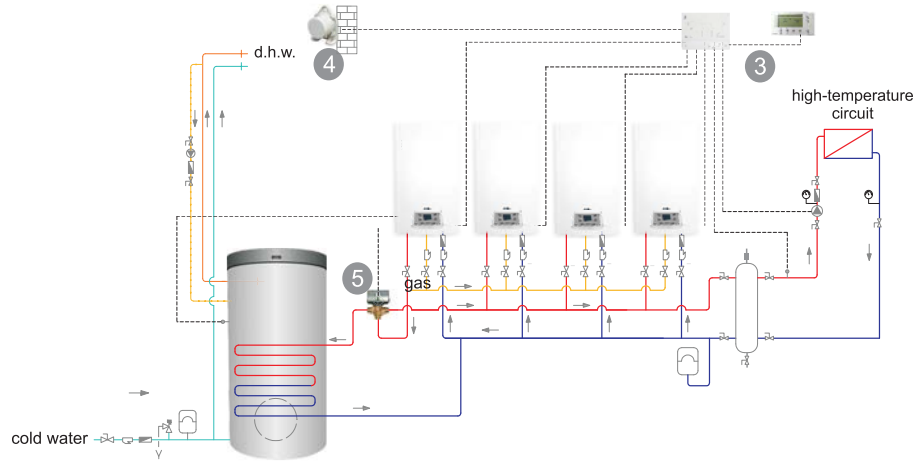
# CONTROL OPTIONS

## EXAMPLE CONNECTION DIAGRAMS



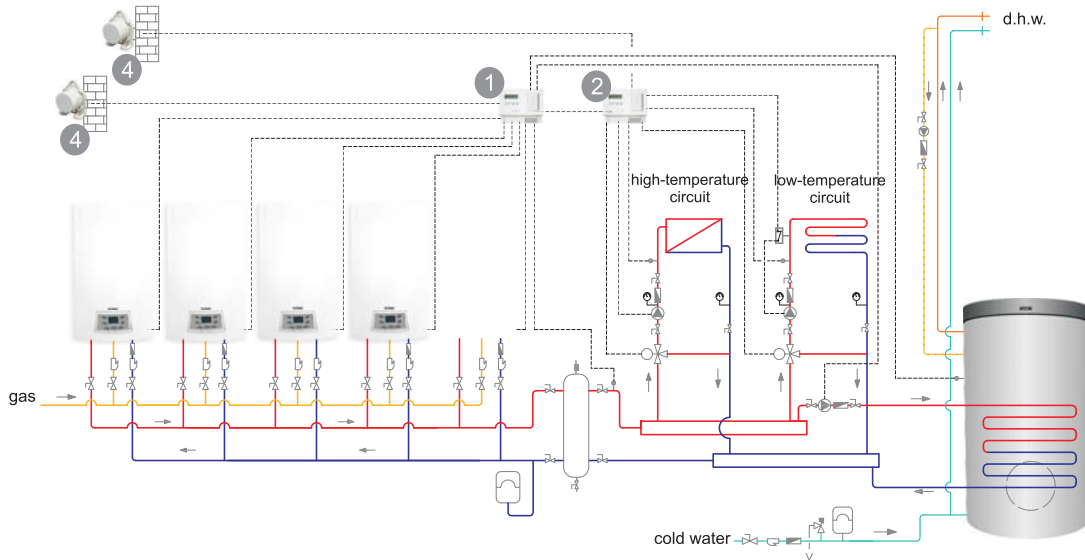
### SCHEME 1

**One heating circuit (high-temperature), d.h.w. circuit is operated by one boiler**  
 Working with cascade manager type AX 1203SQ - possibility to combine max 4 boilers in cascade (to one manager)



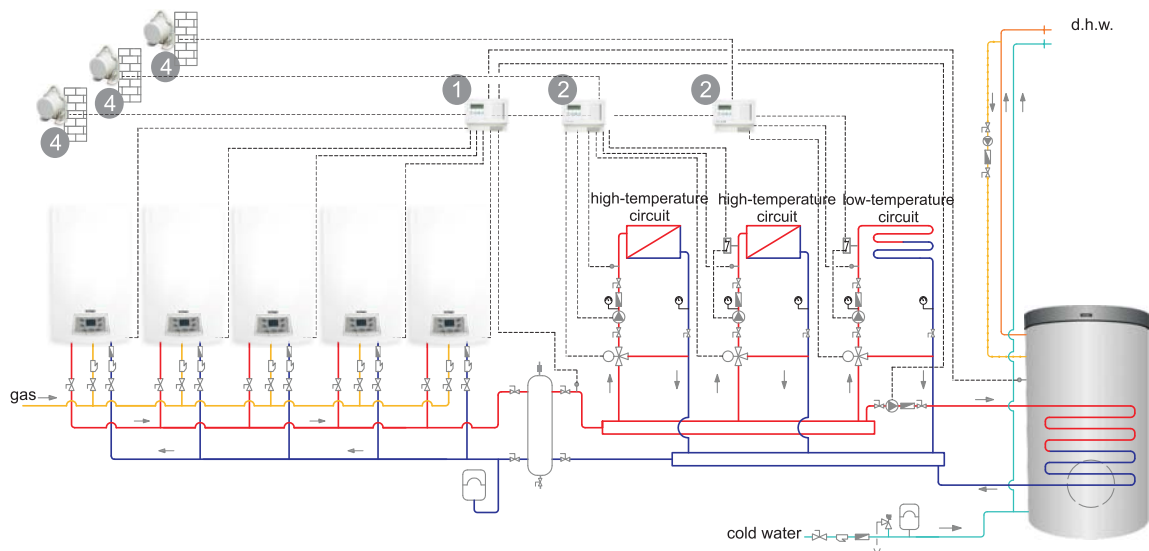
### SCHEME 2

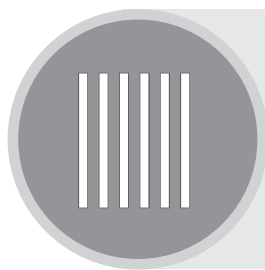
**Two heating circuits (high and low temperature) and one d.h.w. circuit**  
 Working with cascade manager type AX5200SQ - possibility to combine max 5 boilers in cascade (to one manager)



### SCHEME 3

**Three heating circuits (two high-temperature, one low-temperature) and one d.h.w. circuit**  
 Working with cascade manager type AX5200SQ - possibility to combine max 5 boilers (to one manager)





CASCADE SYSTEMS

# ECOCONDENS

CRYSTAL-80  
CRYSTAL-100

## SYSTEM BOILERS

ECOCONDENS CRYSTAL-80 power: 17,0-80,0 kW (80/60°C)  
ECOCONDENS CRYSTAL-100 power: 17,0-100,0 kW (80/60°C)

## TECHNICAL FEATURES

- modern DUO heat exchanger made of stainless steel:
  - low pollutant emissions (NOx - 5 class)
- electronically controlled burner
- primary modulating pump PWM H-7 m. built-in
- **control board with cascade manager function (max 6 boilers)**
- control of heating zones by zone manager
- **OPEN-THERM** system available
- system weather regulation in option



## ACCESSORIES



OPEN-THERM  
CR 11011



OUTDOOR  
TEMPERATURE  
SENSOR



THREE-WAY VALVE  
G1" (230 V)



NTC SENSOR (12kΩ)



AIR-FLUE GAS SYSTEM

## TECHNICAL DATA

PARAMETERS		80	100
Sound power level	<b>L<sub>WA</sub> dB</b>	62	62
Nominal heat load	<b>kW</b>	18,0-82,0	18,0-103,0
Efficiency of the boiler at partial load and return water temperature 30°C	<b>%</b>	107	
Efficiency of the boiler at partial load and return water temperature 70°C	<b>%</b>	97	
Max temperature (central heating)	<b>°C</b>	80	
Standard adjustable temperature	<b>°C</b>	80	
Reduced adjustable temperature	<b>°C</b>	20	
Range of modulation	<b>%</b>	21-100	17-100
Pump head	<b>kPa (bar)</b>	80 (0,8)	
NOx emission	<b>klasa</b>	5	
Max. amount of condensate (natural gas)	<b>l/h</b>	12	15
Max. water pressure	<b>bar</b>	4	
Supply voltage	<b>V</b>	~230±10%/50Hz	
Protection class	<b>-</b>	IPX4D	
Power consumption	<b>W</b>	350	
Heating water flow/return	<b>cale</b>	G5/4"-G1"	
Chimney connection	<b>mm</b>	2 single 2 x Ø100	
Dimensions (height x width x depth)	<b>mm</b>	810x540x545	
Net weight	<b>kg</b>	82	

## DUO HEAT EXCHANGER



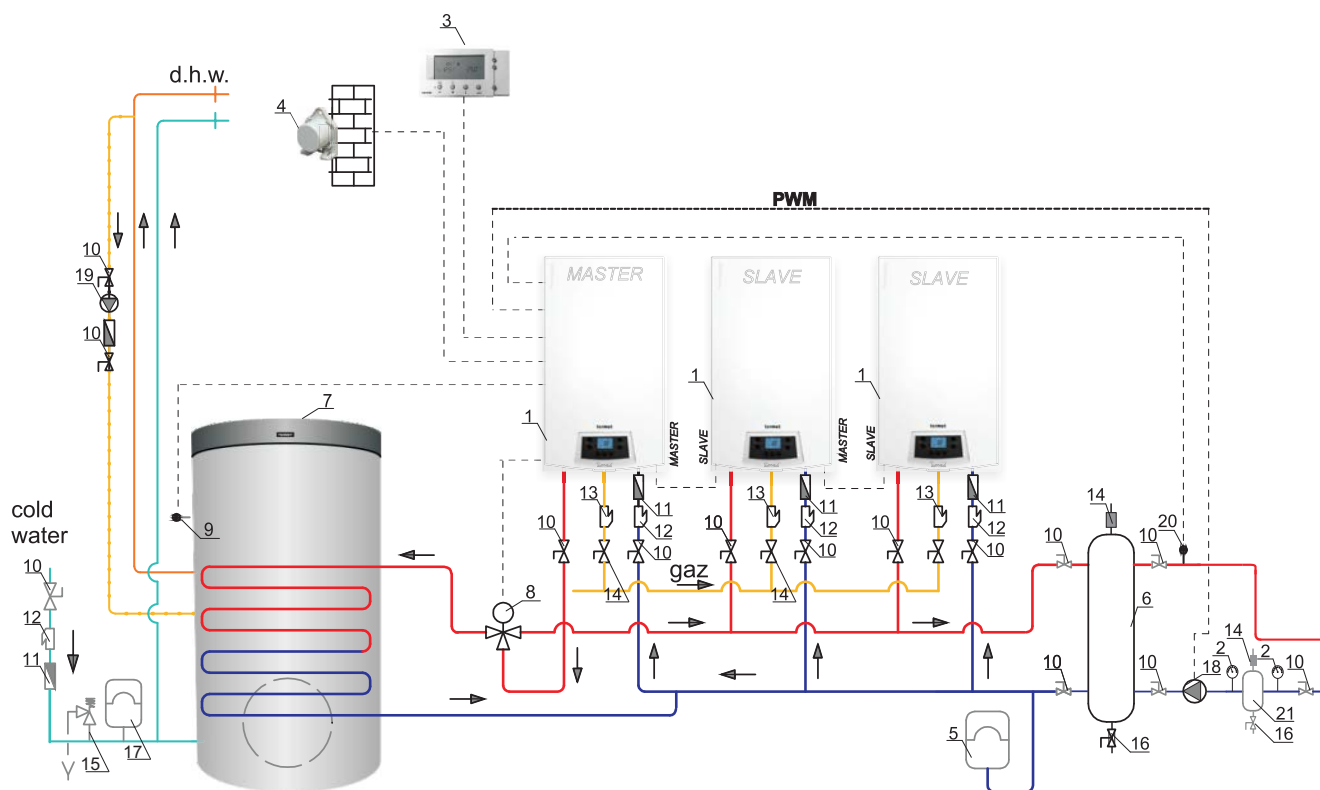
# CONTROL OPTIONS

## EXAMPLE CONNECTION DIAGRAM



### SCHEME 1

**One heating circuit and one d.h.w. circuit**  
Possibility to combine max 6 boilers in cascade.



- |                                     |                                  |
|-------------------------------------|----------------------------------|
| 1 - Condensing boiler               | 12 - Water filter                |
| 2 - Manometer                       | 13 - Gas filter                  |
| 3 - Open-Therm regulator            | 14 - Automatic air-vent          |
| 4 - Outdoor temperature sensor      | 15 - Safety valve                |
| 5 - Diaphragm vessel                | 16 - Drain valve                 |
| 6 - Hydraulic coupling              | 17 - Cold water diaphragm vessel |
| 7 - D.H.W. tank                     | 18 - Primary pump                |
| 8 - Three-way valve                 | 19 - Circulation pump            |
| 9 - C.H., D.H.W. temperature sensor | 20 - C.H. temperature sensor     |
| 10 - Cut-off valve                  | 21 - Sludge filter               |
| 11 - Back-pressure valve            |                                  |





## INSTANTANEOUS WATER HEATERS

AQUA COMFORT  
*////////turbo*

GT-19-03 GT-23-03

### TECHNICAL FEATURES

#### CLOSED COMBUSTION CHAMBER

AQUA COMFORT TURBO GT-19-03 power 5,7 - 19,2 kW (2-11 l/min)

AQUA COMFORT TURBO GT-23-03 power 5,7 - 23,0 kW (2-13 l/min)

- electronic linear power modulation
- water temperature regulation with only two buttons
- LED display showing d.h.w. temperature
- new generation copper heat exchanger
- ignition at very low water pressure - starting from 20 kPa
- protection class: IP-44
- adjustment to different types of gas
- very quiet operation
- complete protection system
- error code signalization



### TECHNICAL DATA



Precisely regulated heat load and temperature independent from water flow variations

PARAMETERS			GT-19-03	GT-23-03
Declared load profile			M	L
Water heating energy efficiency class			A	A
Water heating energy efficiency	$\eta_{WH}$	%	69	76
Annual electricity consumption	AEC	kWh	25	35
Annual fuel consumption	AFC	GJ	6	11
Sound power level	L <sub>WA</sub>	dB	50	52
Thermostat temperature setting		°C	35	35
Water flow		l/min	2-11	2-13
Heating power		kW	5,7-19,2	5,7-23,0
Thermal efficiency		%	93	94
Range of working water temperature regulation		°C	35-60	35-60
Range of water pressure		bar	0,2-10,0	0,2-10,0
Maximum power consumption		W	65	65
Protection class		-	IP-44	IP-44
Chimney connection		mm	Ø60/Ø100 or Ø80/Ø125 or Ø60xØ60 or Ø80xØ80	
Gas connection		inch	G½	G½
Cold water connection		inch	G½	G½
Hot water connection		inch	G½	G½
Dimensions (height x width x depth)		mm	585x360x220	
Net weight		kg	16,5	

INSTANTANEOUS WATER HEATERS

## INSTANTANEOUS WATER HEATERS

TERMAQ GP-19-01, GP-23-01

TERMAQ ELECTRONIC GE-19-02, GE-23-02

TERMAQ AQUA-POWER GH-19-02



### OPEN COMBUSTION CHAMBER

TERMAQ GP-19-01	power 4,8-19,2 kW
TERMAQ GP-23-01	power 5,7-22,6 kW
TERMAQ ELECTRONIC GE-19-02	power 7,7-19,2 kW
TERMAQ ELECTRONIC GE-23-02	power 9,1-22,6 kW
TERMAQ AQUA-POWER GH-19-02	power 7,7-19,2 kW

## TECHNICAL FEATURES

- TERMAQ piezoelectric ignition
- TERMAQ ELECTRONIC electronic ignition from batteries
- TERMAQ AQUA-POWER electronic ignition from hydrogenerator

- automatically regulated power lets user receive constant water temperature, independent of water flow
- optional, manual power and water flow regulation
- new generation copper heat exchanger and new burner
- ignition at very low water pressure - even as low as 10 kPa
- adjustment to different types of gas
- complete protection system
- steady and very quiet operation
- diodes\*: green one - signalizes current working state  
red one - battery power level
- ergonomic and easily turning water and gas expense's dials
- possibility to attach lower cover



\*relates to models TERMAQ ELECTRONIC and TERMAQ AQUA POWER

## TECHNICAL DATA

PARAMETERS		TERMAQ		TERMAQ ELECTRONIC		TERMAQ AQUA-POWER GH-19-02
		GP-19-01	GP-23-01	GE-19-02	GE-23-02	
Declared load profile		M	L	M	L	M
Water heating energy efficiency class		B	B	A	B	A
Water heating energy efficiency	$\eta_{WH}$ %	49	59	69	73	69
Annual electricity consumption	AEC kWh	0	0	0	0	0
Annual fuel consumption	AFC GJ	8	14	6	14	6
Sound power level	$L_{WA}$ dB	55	57	55	57	55
Heating power	kW	4,8-19,2	5,7-22,6	7,7-19,2	9,1-22,6	7,7-19,2
D.H.W. flow at $\Delta t \leq 50^\circ C$	l/min	2,8-5,7	3,2-6,5	3,2-5,7	3,2-6,5	3,2-5,7
D.H.W. flow at $\Delta t \leq 25^\circ C$	l/min	5,7-11,5	6,5-13,0	5,7-11,5	6,5-13,0	5,7-11,5
Maximum d.h.w. temperature (outlet)	$^\circ C$	65	65	65	65	65
Thermal efficiency	%	86	87	86	87	86
Protection class	-	IP-44	IP-44	IP-44	IP-44	IP-44
Chimney connection	mm	$\varnothing 114$	$\varnothing 132$	$\varnothing 114$	$\varnothing 132$	$\varnothing 114$
Gas connection	inch	G $\frac{1}{2}$	G $\frac{3}{4}$	G $\frac{1}{2}$	G $\frac{3}{4}$	G $\frac{1}{2}$
Cold water connection	inch	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$
Hot water connection	inch	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$	G $\frac{1}{2}$
Dimensions (height x width x depth)	mm	585/360/220				
Net weight	kg	10,0	10,5	9,5	10,5	9,5

## ACCESSORIES



### LOWER COVER

Dimensions:  
- width: 360 mm  
- height: 150 mm  
- depth: 170 mm



## INSTANTANEOUS WATER HEATERS

# AQUAHEAT ELECTRONIC G-19-00

### OPEN COMBUSTION CHAMBER


AQUAHEAT ELECTRONIC G-19-00 power 6,5 - 19,2 kW

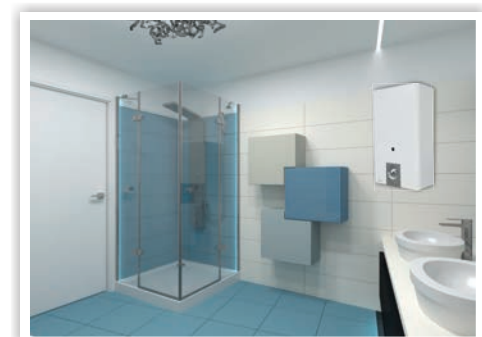
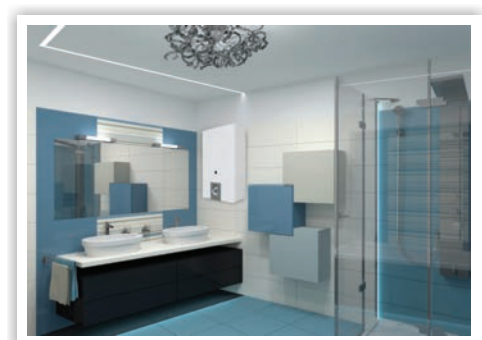
## TECHNICAL FEATURES

- electronic ignition with ionisation flame control
- manual power regulation
- effective and economical operation
- heat exchanger made of copper
- complete protection system:
  - protection against loss of chimney draft
  - protection against flue gas outflow into the room
  - protection against overheating of the heat exchanger
- very easy and intuitive operation
- compact size



## TECHNICAL DATA

PARAMETERS			G-19-00
Declared load profile			M
Water heating energy efficiency class			A
Water heating energy efficiency	$\eta_{WH}$	%	66
Annual electricity consumption	AEC	kWh	0
Annual fuel consumption	AFC	GJ	7
Sound power level	$L_{WA}$	dB	58
Heating power	kW		5,5-17,4
Water flow range	l/min		3,5-10,0
Thermal input	kW		6,3-19,8
Maximum d.h.w. temperature (outlet)	°C		95
Thermal efficiency	%		87
Water operating pressure	bar		0,2-10,0
Protection class	-		IP-44
Flue connection (internal diameter)	mm		Ø132
Gas connection	inch		G½
Cold water connection	inch		G½
Hot water connection	inch		G½
Dimensions (height x width x depth )	mm		605x360x220
Net weight	kg		11





## WALL-HUNG BOILERS WITH OPEN COMBUSTION CHAMBER (in compliance with ErP)

# MINIMAX ECO



### OPEN COMBUSTION CHAMBER

MINIMAX ECO TYPE GCO-DP-13-10 (13/22) power: C.H. 7-13 kW D.H.W. 7-22 kW  
MINIMAX ECO TYPE GCO-DP-13-10 (22/22) power: C.H. 7-22 kW D.H.W. 7-22 kW

## TECHNICAL FEATURES

- open combustion chamber
- modulating pump (PWM signal) with automatic airvent
- compact sizes of the boiler - 700 mm x 360 mm x 300 mm
- multifunction control panel with digital display
- soft ignition function
- full auto-diagnostic system with error codes signalization
- weather regulation available
- complete protection system
- adjustment to different types of gas
- three-way valve anti-lock function
- **NOx class - 5 (<56 mh/kWh)**



## ACCESSORIES

Room temperature regulators:



## TECHNICAL DATA

PARAMETERS	MINIMAX ECO	
	13/22	22/22
Seasonal space heating energy efficiency class		C
Rated heat output	$P_{rated}$ kW	22
Seasonal space heating energy efficiency	$\eta_s$ %	77
Boiler efficiency	%	91,4
Maximum central heating water pressure	bar	3
Maximum d.h.w. temperature	°C	95
Expansion vessel capacity	l	6
Water heating energy efficiency class		B
Declared load profile		L
Water heating energy efficiency	$\eta_{wh}$ %	70
Water flow at $\Delta t$ 30°C	l/min	10,5
Range of water temperature regulation	°C	30-60
Water pressure in d.h.w. circuit	bar	0,1-6,0
Type of d.h.w. exchanger	-	plate
Supply voltage	V	230±10%
Protection class	-	IP-44
Annual energy consumption	$Q_{HE}$ kWh	52,9
Annual fuel consumption	AFC GJ	13
Sound power level	$L_{WA}$ dB	57
Dimensions (height x width x depth)	mm	700x360x300
Net weight	kg	26
Gas connection	inch	G¾
Water connection	inch	G½
Chimney connection	inch	ø130



WALL-HUNG BOILERS



## D.H.W. TANKS

TERMET 100  
 TERMET 120  
 TERMET 140  
 TERMET ZWU-200/N



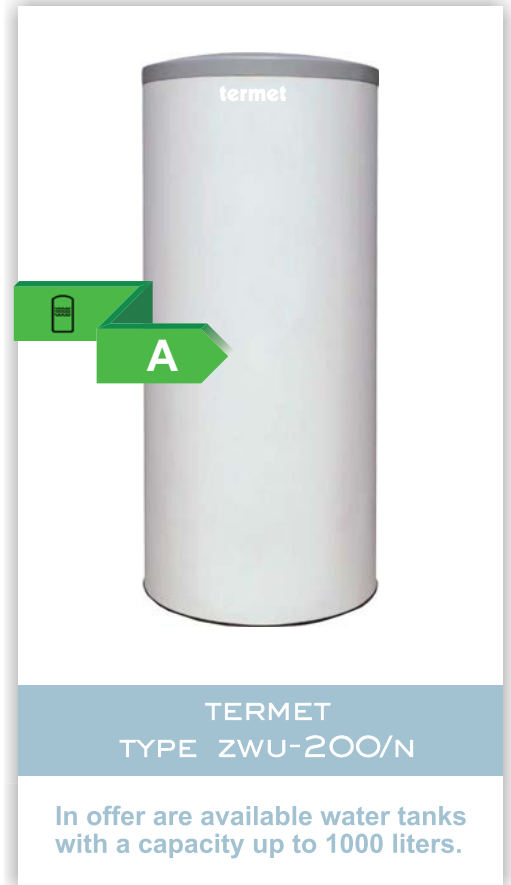
## TECHNICAL FEATURES

- capacity of d.h.w. tanks:
  - TERMET 100 - 100 liters
  - TERMET 120 - 120 liters
  - TERMET 140 - 140 liters
- modern shape
- ergonomic placement of connections
- coil power:
  - 100 and 120 l - 35 kW\*
  - 140 l - 43,5 kW\*
- domestic hot water production:
  - 13 l/min (TERMET 100, 120)\*
  - 16 l/min (TERMET 140)\*
- tank made of steel sheet, covered with special ceramic enamel from the inside, which provides high quality of heating water
- built-in magnesium anode
- upper and lower cover made of plastic
- water tanks compatible with system boilers produced by **termet** (condensing, wall-hung boilers)

## TECHNICAL DATA

PARAMETERS		100	120	140	200
Energy class		B	B	B	A
Capacity	<b>l</b>	100	125	141	200
Coil surface	<b>m<sup>2</sup></b>	1,30	1,30	1,60	1,65
Coil capacity	<b>l</b>	6,0	6,0	7,4	9,8
<b>PRODUCTION CAPACITY*</b>					
80/10/45°C	<b>l/min</b>	13,0	13,0	16,0	16,3
70/10/45°C		9,8	9,8	12,0	14,2
60/10/45°C		7,3	7,3	9,0	10,3
<b>CONSTANT HEATING POWER</b>					
80/10/45°C	<b>kW</b>	35,0	35,0	43,5	39,8
70/10/45°C		26,0	26,0	32,5	34,6
60/10/45°C		20,0	20,0	24,5	25,2
Central heating water demand	<b>m<sup>3</sup>/h</b>	3,0	3,0	3,0	2,6
<b>TANK'S PARAMETERS</b>					
Net weight	<b>kg</b>	70	71	78	65
Dimensions (diameter x height)	<b>mm</b>	542x895	615x940	615x1010	720x1200
Central heating water (supply)	<b>inch</b>	¾	¾	¾	1
Central heating water (return)	<b>inch</b>	¾	¾	¾	1
Circulation	<b>inch</b>	¾	¾	¾	¾
Cold water connection	<b>inch</b>	¾	¾	¾	¾
Hot water connection	<b>inch</b>	¾	¾	¾	¾

\* 80°C, 70°C, 60°C - central heating temperature  
 10°C - domestic cold water temperature  
 45°C - domestic hot water temperature



In offer are available water tanks with a capacity up to 1000 liters.



## D.H.W. TANKS MADE OF STAINLESS STEEL

TERMET UTS 100  
TERMET UTS 130  
TERMET UTS 150



## TECHNICAL FEATURES

- capacity of d.h.w. tanks:
  - TERMET UTS 100 - 96 liters
  - TERMET UTS 130 - 130 liters
  - TERMET UTS 150 - 156 liters
- d.h.w. tanks made of the highest quality stainless steel which provides corrosion resistance
- heating coil made of stainless steel
- tanks housing made of galvanized steel sheet, covered with white powder
- thermal insulation of tanks made of 50 mm polyurethane foam
- tanks equipped with 3 adjustable feet
- modern shape
- ergonomic placement of connections
- built-in magnesium anode
- water tanks compatible with system boilers produced by **termet** (condensing, wall-hung boilers)

## TECHNICAL DATA

PARAMETERS		100	130	150
Energy class	☼	B	B	B
Capacity	l	96	130	156
Coil surface	m <sup>2</sup>	1,063	1,063	1,063
Coil capacity	l	4	4	4
<b>PRODUCTION CAPACITY*</b>				
80/10/45°C	l/min	11,9	11,9	11,9
70/10/45°C		8,8	8,8	8,8
<b>CONSTANT HEATING POWER</b>				
80/10/45°C	kW	28,4	28,4	28,4
70/10/45°C		21,0	21,0	21,0
Initial efficiency for d.h.w. (at initial temperature of 60 °C)	l/10 min	219	257	295
<b>MAXIMUM OPERATING TEMPERATURE</b>				
Primary circuit (coil)	°C	90	90	90
Secondary circuit (tank)		80	80	80
<b>MAXIMUM OPERATING PRESSURE</b>				
Primary circuit (coil)	bar	6	6	6
Secondary circuit (tank)		6	6	6
Test pressure		9	9	9
<b>TANK'S PARAMETERS</b>				
Net weight	kg	29	39	41
Dimensions (diameter x height)	mm	600x770	600x940	600x1075
<b>TIME OF HEATING (from 10 to 55°C) at delivery temperature 80°C at boiler output:</b>				
18 kW	min	16,7	22,6	27,0
24 kW		12,5	16,9	20,0
30 kW		10,0	13,5	16,0

\* 80°C, 70°C - central heating temperature  
10°C - domestic cold water temperature  
45°C - domestic hot water temperature





## MULTI-ZONE HYDRAULIC SEPARATOR

### SIM 2Z

typ 1 LTT.1HT.YP  
typ 2 LTE.YP

Compact solution for connecting two or three circuits of heating systems:

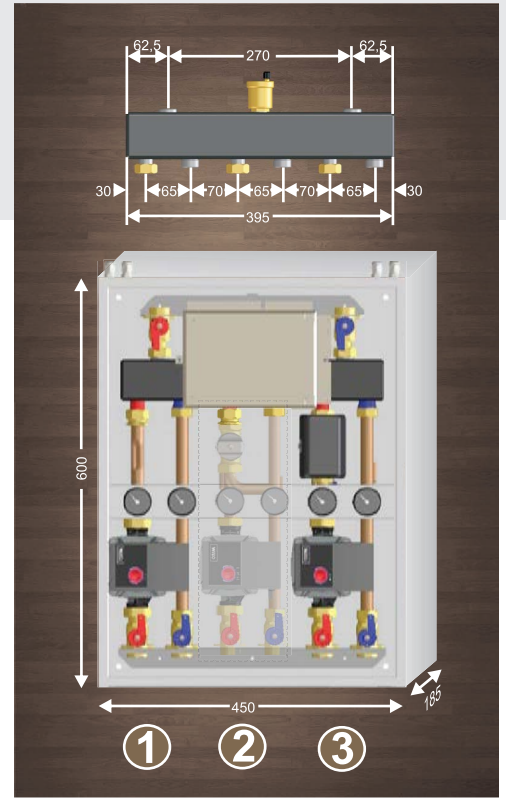
- high-temperature zones (radiator heating) ①
- low-temperature zones (floor heating) ③

or optional third zone - of high or low-temperature by using a connection set ②

Hydraulic separator works with all **termet** boilers (with power max 35 kW).

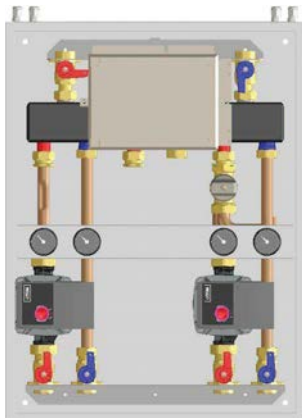
#### BASIC EQUIPMENT:

- 1 x low loss header for 3 heating circuits
- 1 x thermostatic valve or electric valve
- 2 x pump „A” class
- 1 x controller
- 6 x valve 3/4"



## MODULE SIM 2Z type 1LTT.1HT.YP

with thermostatic valve and electronic pump



#### CONNECTION SET FOR THE THIRD CIRCUIT:

High-temperature set type 1HT.YP  
with A class pump



Low-temperature set type:

- ① 1LTT.YP
  - ② 1LTE.YP
- with A class pump

①

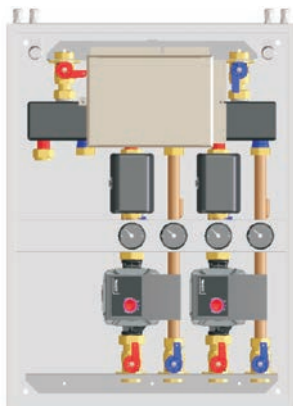


②



## MODULE SIM 2Z type 2LTE.YP

with two electric valves and electronic pump + high-temperature set as option



#### CONNECTION SET FOR THE THIRD CIRCUIT:

High-temperature set type 1HT.YP  
with A class pump



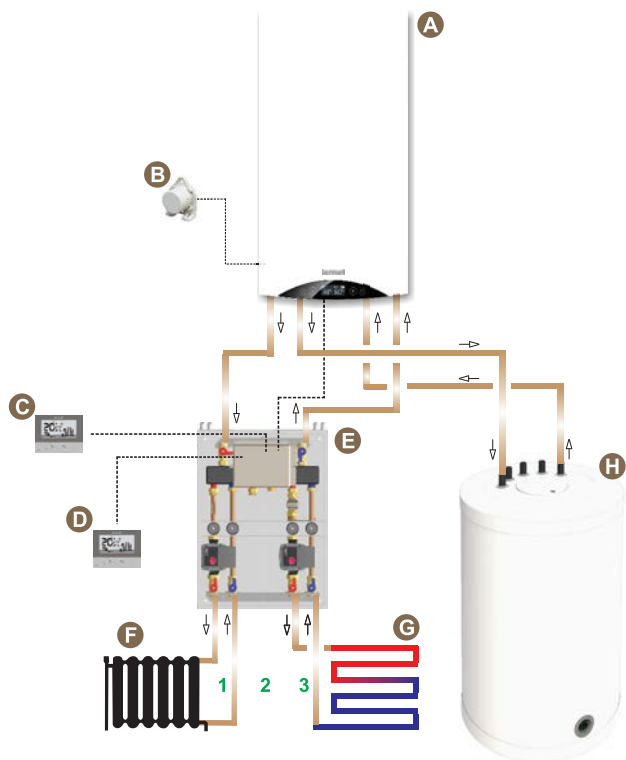


# MULTI-ZONE HYDRAULIC SEPARATOR SIM 2Z.H FOR HEATING SYSTEMS



## EXAMPLE HYDRAULIC SCHEME FOR TYPE 1LTT.1HT.YP

with thermostatic valve and electronic pump



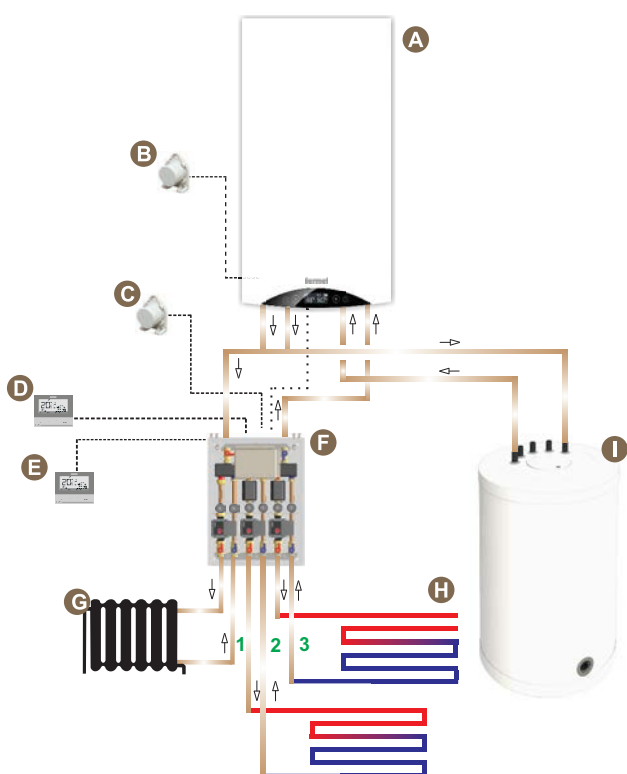
### Connection of gas boilers with multi-zone module SIM 2Z TYPE 1LTT.1HT.YP

- 1 - high-temperature zone
- 2 - high/low-temperature connection set in option
- 3 - low-temperature zone with mixing thermostatic valve

- A - gas boiler
- B - outdoor temperature sensor
- C - temperature regulator for high-temperature zone
- D - temperature regulator for low-temperature zone
- E - multi-zone module
- F - heating radiator (high-temperature zone)
- G - floor heating (low-temperature zone)
- H - d.h.w. tank

## EXAMPLE HYDRAULIC SCHEME FOR TYPE 2LTE.YP

with two electric valves and electronic pump + high-temperature set as option



### Connection of gas boilers with multi-zone module SIM 2Z TYPE 2LTE.YP

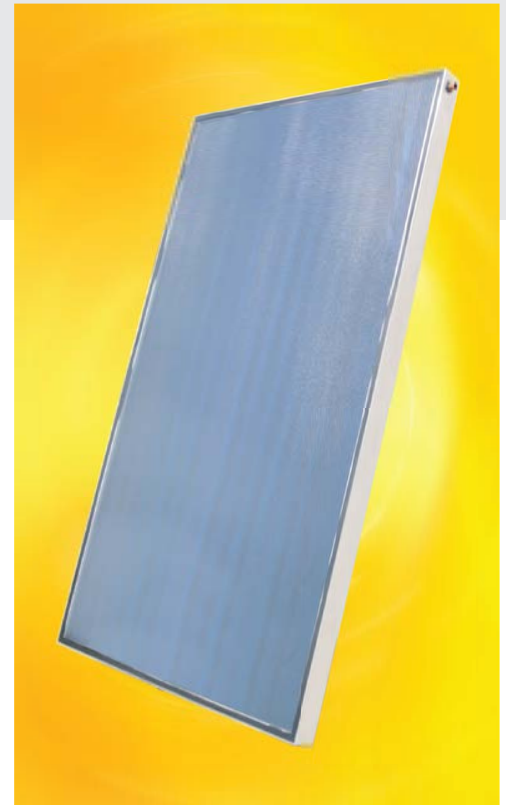
- 1 - high-temperature zone
- 2 - high/low-temperature connection set in option
- 3 - low-temperature zone with mixing electronic valve

- A - gas boiler
- B - outdoor temperature sensor
- C - outdoor temperature sensor (in option)
- D - temperature regulator for high-temperature zone
- E - temperature regulator for low-temperature zone
- F - multi-zone module
- G - heating radiator (high-temperature zone)
- H - floor heating (low-temperature zone)
- I - d.h.w. tank



## SOLAR SYSTEMS FLAT SOLAR COLLECTOR

# AMX 2.0 AMX 2.51



Solar installations transform the energy of solar radiation into utility heat by the AMX type solar collectors. The heat, extracted in solar collectors, is transferred through the heat-transfer medium into a tank for utility or industrial water, where it is accumulated. The efficient operation of the system is provided by a temperature difference controller which functions together with a circulating pump.

## TECHNICAL FEATURES

### INNOVATIVE DESIGN OF COLLECTOR FRAME

AMX collector uses modern technology of bending an alluminium frame. The frame is made in one piece without superfluous welds in the corners. Frame without welds is much more tight, has better aesthetics and the most importantly there is no risk of unsealing after few years of operation. Additionally frame of the collector has been spray coated to protect against atmospheric conditions.

### UNIQUE CONSTRUCTION OF ABSORBER

Absorber uses innovative technology of joining pipes and plate of the collector. Copper pipes are partially flattened and surface area of heat transfer is increased sevenfold.

### UNIQUE DESIGN

Natural aluminium colour of the collector housing and navy blue and black shade of the absorber, which is visible through the solar glass, improves the appearance of each roof.

### HIGH EFFICIENCY OF OPERATION

An excellent absorber, a perfect construction of casing as well as a very good thermal insulation of the AMX collector allows to achieve very high efficiency of operation both in summer and winter.

### OPTIONAL ASSEMBLY ON EACH TYPE OF ROOF

Specially designed components made of aluminium ensure quick and safe assembly of collectors on any kind of roof.

### STANDARDS AND TESTS

The AMX collector was tested in INTA laboratory in Spain and has the quality certificate of Solar Keymark.



## TECHNICAL DATA

DIMENSIONS	AMX 2.0	AMX 2.51	FRAME	AMX 2.0	AMX 2.51
Height	1907 mm	2246 mm	Material of the frame	aluminium (without welds)	aluminium (without welds)
Width	1067 mm	1126 mm	Sealing material	glue	glue
Depth	90 mm	90 mm	<b>COLLECTOR BOTTOM</b>		
Mass	34,7 kg	41,5 kg	Material (thickness)	0,4 mm	0,4 mm
<b>SURFACE AREAS</b>			<b>GLASS</b>		
Gross area	2,03 m <sup>2</sup>	2,53 m <sup>2</sup>	Type	solar glass	solar glass
Aperture area	1,84 m <sup>2</sup>	2,32 m <sup>2</sup>	Thickness	4 mm	4 mm
Absorber area	1,84 m <sup>2</sup>	2,32 m <sup>2</sup>	Transmission rate	0,915	0,915
<b>ABSORBER</b>			<b>HEAT INSULATION</b>		
Material	harp copper, fin aluminium	harp copper, fin aluminium	Material	mineral wool	mineral wool
Thickness	0,3 mm	0,3 mm	Thickness	40 mm	40 mm
Selective layer	high-selective	high-selective	<b>ADDITIONAL DATA</b>		
Absorbition rate	0,95±0,01	0,95±0,01	Stagnation temperature	142,76°C	142,76°C
Emission rate	0,05±0,02	0,05±0,02	Max. working pressure	10 bar	10 bar
Absorber capacity	1,31 l	1,47 l	Efficiency $\eta_0$	80,2 %	82,4 %
Heat transfer fluid	propylene glycol + water mix/ glycerine + water	propylene glycol + water mix/ glycerine + water	Micro ventilation	yes	yes
Flow form	double harp	double harp	Recommended flow	25-60 l/m <sup>2</sup> xh	25-60 l/m <sup>2</sup> xh
Longitudal pipes	10xø8x0,5 mm	10xø8x0,5 mm			
Colective pipes	2xø22x1,0 mm	2xø22x1,0 mm			
Number of connections	2	2			



# SOLAR PACKAGE

SET: COLLECTOR + CONDENSING GAS BOILER



## EQUIPMENT ELEMENTS

- Condensing gas boiler ECOCONDENS CRYSTAL II (20, 25, 35 kW)
- Solar collector AMX
- Domestic hot water tank with two coils
- Energy-saving group pump GPS PWM
- Diaphragm vessel
- Solar regulator LOGO PWM
- Solar liquid - concentrate 10 l

## SOLAR PACKAGE

NAME OF PRODUCT	AMX	AMX	AMX	
	2/250	3/300	4/400	
	PACKAGE FOR:			
	2 - 4 persons	4 - 5 persons	5 - 6 persons	
<b>FLAT SOLLAR COLLECTOR AMX</b>	2 pcs	3 pcs	4 pcs	
<b>CONNECTION SET</b>	1 pc	1 pc	1 pc	
<b>ENERGY-SAVING GROUP PUMP GPS PWM</b>	1 pc	1 pc	1 pc	
<ul style="list-style-type: none"> <li>• Pump Yonos Para PWM</li> <li>• Two ball valves integrated with check valves and thermometers</li> <li>• Safety group with manometer and safety valve 6 bar</li> <li>• Air separator</li> <li>• Thermal insulation housing</li> </ul>				
<b>D.H.W. TANK WITH TWO COILS</b>				
<ul style="list-style-type: none"> <li>• Capacity</li> <li>• Height</li> <li>• Diameter with insulation</li> <li>• Surface of upper coil</li> <li>• Surface of lower coil</li> <li>• Weight</li> <li>• Colour</li> </ul>	dm <sup>3</sup> mm mm m <sup>2</sup> m <sup>2</sup> kg grey	250 1480 600 0,7 1,0 125 grey	300 1410 650 0,9 1,2 160 grey	400 1460 750 1,0 1,5 190 grey
<b>DIAPHRAGM VESSEL</b>	18	24	35	
<b>SOLAR LIQUID - CONCENTRATE 10 L</b>	1	2	2	
<b>MOUNTING SET FOR A FLAT ROOF FOR COLLECTORS AMX</b> Specifically designed mounting sets made of aluminium allow for installation the collectors on every roof with any type of covering.	1 pc for 2 collectors	1 pc for 2 collectors 1 pc for 1 collector	2 pcs for 4 collectors	

SOLAR SYSTEMS



## WALL-HUNG BOILERS

MINIMAX  
ELEGANCE

MINIMAX  
ELEGANCE  
turbo

### OPEN COMBUSTION CHAMBER

MINIMAX ELEGANCE TYPE GCO-DP-13-10 (13/24) power 7-13 kW  
MINIMAX ELEGANCE TYPE GCO-DP-13-10 (24/24) power 7-24 kW

### CLOSED COMBUSTION CHAMBER

MINIMAX ELEGANCE TURBO TYPE GCO-DP-21-03 (24/24) power 7-24 kW  
MINIMAX ELEGANCE TURBO TYPE GCO-DP-21-03 (29/29) power 8-29 kW

## TECHNICAL FEATURES

- energy efficiency - \*\*\*
- compact size of boiler - 700 mm x 360 mm x 300 mm
- multifunction control panel with digital display
- full auto-diagnostic system with error codes
- main heat exchanger made of copper installed on quick-connectors
- electronic ignition with ionization flame control
- soft ignition function
- hydroblock installed on quick-connectors
- secondary plate heat exchanger made of stainless steel
- weather regulation available
- complete protection system



## ACCESSORIES

### Room temperature regulators:



WEEKLY  
PROGRAMMABLE  
termet ST-292 V3



WIRELESS WEEKLY  
PROGRAMMABLE  
termet ST-292 V2



SMART OPEN-THERM  
THERMOSTAT

## TECHNICAL DATA

PARAMETERS		MINIMAX ELEGANCE GCO-DP-13-10		MINIMAX ELEGANCE TURBO GCO-DP-21-03	
		13/24	24/24	24/24	29/29
Heating power range in c.h. circuit	kW	7-13	7-24	7-24	8-29
Heating power range in d.h.w. circuit	kW	7-24	7-24	7-24	8-29
Boiler efficiency at rated power	%	91,4	93,1	93,1	91
Maximum temperature of c.h. circuit	°C	95	95	95	95
Water temperature range (standard heating)	°C	40-85	40-85	40-85	40-85
Water temperature range (floor heating)	°C	35-55	35-55	35-55	35-55
Expansion vessel capacity	l	6	6	6	6
Expansion vessel pressure	bar	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>
Maximum c.h. water pressure	bar	3	3	3	3
Water pressure in d.h.w. circuit	bar	0,1-6,0	0,1-6,0	0,1-6,0	0,1-6,0
Water flow at Δt 30°C	l/min	11,4	11,4	11,4	13,8
Temperature range in d.h.w. system	°C	30-60	30-60	30-60	30-60
Protection class	-	IP-44	IP-44	IP-44	IP-44
Chimney connection	mm	Ø130	Ø130	Ø80/Ø125 or Ø60/Ø100 or 2 single Ø80	
Dimensions (height x width x depth)	mm	700x360x300			
Net weight	kg	26	26	31	33



## WALL-HUNG BOILERS

MINI TERM ELEGANCE MINI TERM ELEGANCE turbo



### OPEN COMBUSTION CHAMBER

MINI TERM ELEGANCE TYPE GCO-DP-21-23 (24/24) power 7-24 kW

### CLOSED COMBUSTION CHAMBER

MINI TERM ELEGANCE TURBO TYPE GCO-DP-21-13 (24/24) power 7-24 kW

## TECHNICAL FEATURES

- compact size of boiler - 700 mm x 360 mm x 300 mm
- multifunction control panel with digital display
- full auto-diagnostic system with error codes
- electronic ignition with ionization flame control
- soft ignition function
- hydroblock installed on quick-connectors
- bi-thermic heat exchanger made of copper installed on quick-connectors
- weather regulation available
- complete protection system
- adjustment to different types of gas

## ACCESSORIES

Room temperature regulators:



WEEKLY PROGRAMMABLE  
termet ST-292 V3



WIRELESS WEEKLY PROGRAMMABLE  
termet ST-292 V2



SMART OPEN-THERM THERMOSTAT

## TECHNICAL DATA

PARAMETERS		MINI TERM ELEGANCE	MINI TERM ELEGANCE TURBO
		GCO-DP-21-23	GCO-DP-21-13
Heating power range in c.h. circuit	kW	7-24	7-24
Heating power range in d.h.w. circuit	kW	7-24	7-24
Boiler efficiency at rated power	%	93,5	92
Maximum temperature of c.h. circuit	°C	95	95
Water temperature range (standard heating)	°C	40-85	40-85
Water temperature range (floor heating)	°C	35-55	35-55
Expansion vessel capacity	l	6	6
Expansion vessel pressure	bar	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>
Maximum c.h. water pressure	bar	3	3
Water pressure in d.h.w. circuit	bar	0,1-6,0	0,1-6,0
Water flow at Δt 30°C	l/min	11,4	11,4
Temperature range in d.h.w. circuit	°C	30-60	30-60
Protection class	-	IP-44	IP-44
Chimney connection	mm	Ø130	Ø80/Ø125 or Ø60/Ø100 or 2 single Ø80
Dimensions (height x width x depth)	mm	700x360x300	
Net weight	kg	26	30,5



WALL-HUNG BOILERS



## WALL-HUNG BOILERS

MAXITERM  
ELEGANCE

MAXITERM  
ELEGANCE  
turbo

### OPEN COMBUSTION CHAMBER

MAXITERM ELEGANCE TYPE GCO-DP-29-26 (29/29) power 10-29 kW

MAXITERM ELEGANCE TYPE GCO-DP-29-26 (33/33) power 10-33 kW

### CLOSED COMBUSTION CHAMBER

MAXITERM ELEGANCE TURBO TYPE GCO-DP-29-36 (33/33) power 10-33 kW

MAXITERM ELEGANCE TURBO TYPE GCO-DP-29-36 (35/35) power 10-35 kW

## TECHNICAL FEATURES

- very quiet operation of boiler
- multifunction control panel with digital display
- full auto-diagnostic system with error codes
- main heat exchanger made of copper
- electronic ignition with ionization flame control
- soft ignition function
- bi-thermic heat exchanger made of copper
- high efficiency of d.h.w. (→ see the table below)
- weather regulation available
- complete protection system
- adjustment to different types of gas



## ACCESSORIES

Room temperature regulators:



## TECHNICAL DATA

PARAMETERS		MAXITERM ELEGANCE GCO-DP-29-26		MAXITERM ELEGANCE TURBO GCO-DP-29-36	
		29/29	33/33	33/33 2E-G20 13 fiber	35/35
Heating power range in c.h. circuit	kW	10-29	10-33	10-33	10-35
Heating power range in d.h.w. circuit	kW	10-29	10-33	10-33	10-35
Boiler efficiency at rated power	%	91,5	91,5	90,3	90,3
Maximum c.h. water pressure	bar	3	3	3	3
Maximum temperature of c.h. circuit	°C	95	95	95	95
Water temperature range (standard heating)	°C	40-85	40-85	40-85	40-85
Water temperature range (floor heating)	°C	35-55	35-55	35-55	35-55
Expansion vessel capacity	l	6	6	6	6
Water pressure in d.h.w. circuit	bar	0,1-6,0	0,1-6,0	0,1-6,0	0,1-6,0
Water flow at Δt 30°C	l/min	13,8	15,8	15,8	16,7
Protection class	-	IP-44	IP-44	IP-44	IP-44
Chimney connection	mm	Ø130	Ø80/Ø125 or Ø60/Ø100 or 2 single Ø80		
Dimensions (height x width x depth)	mm	750x485x330	750x485x330	750x485x330	750x485x330
Net weight	kg	32	37	37	37

## WALL-HUNG BOILERS

UNICO  
ELEGANCE

UNICO  
ELEGANCE  
turbo



### OPEN COMBUSTION CHAMBER

UNICO ELEGANCE 13	TYPE GCO-13-00	power	4,0-13,5 kW
UNICO ELEGANCE 24	TYPE GCO-24-00	power	7,0-24,0 kW
UNICO ELEGANCE 29	TYPE GCO-29-00	power	10,0-29,0 kW

### CLOSED COMBUSTION CHAMBER

UNICO ELEGANCE 13 TURBO	TYPE GCO-24-01-13	power	7,0-13,0 kW
UNICO ELEGANCE 21 TURBO	TYPE GCO-24-01-21	power	7,0-21,0 kW
UNICO ELEGANCE 24 TURBO	TYPE GCO-24-01-24	power	7,0-24,0 kW
UNICO ELEGANCE 29 TURBO	TYPE GCO-24-01-29	power	8,0-29,0 kW

## TECHNICAL FEATURES

- multifunction control panel with digital display
- full auto-diagnostic system through error codes
- work with d.h.w. tank by three-way valve (pre-installed in the boiler)
- possibility of d.h.w. temperature regulation in tank directly from boiler control panel
- electronic thermo-manometer
- weather regulation function available
- anti-legionella function (in option)
- electronic ignition with ionisation flame control
- soft ignition function
- complete protection system
- adjustment to different types of gas

## ACCESSORIES

Room temperature regulators:



**WEEKLY  
PROGRAMMABLE**  
termet ST-292 V3



**WIRELESS WEEKLY  
PROGRAMMABLE**  
termet ST-292 V2



**SMART OPEN-THERM  
THERMOSTAT**

## TECHNICAL DATA

PARAMETERS		UNICO ELEGANCE			UNICO ELEGANCE TURBO			
		13	24	29	13	21	24	29
Heating power range in c.h. circuit	kW	4,0-13,5	7,0-24,0	10,0-29,0	7,0-13,0	7,0-21,0	7,0-24,0	8,0-29,0
Boiler efficiency at rated power	%	91,4	93,1	91,6	91,4	92,8	92,8	92,8
Maximum temperature of c.h. circuit	°C	95	95	95	95	95	95	95
Regulated temperature (standard heating)	°C	40-85	40-85	40-85	40-85	40-85	40-85	40-85
Regulated temperature (floor heating)	°C	35-55	35-55	35-55	35-55	35-55	35-55	35-55
Expansion vessel capacity	l	6	6	6	6	6	6	6
Expansion vessel pressure	bar	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>	0,8 <sub>-0,2</sub>
Maximum c.h. water pressure	bar	3	3	3	3	3	3	3
Protection class	-	IP-44	IP-44	IP-44	IP-44	IP-44	IP-44	IP-44
Chimney connection	mm	Ø110	Ø130	Ø130	Ø80/Ø125 or Ø60/Ø100 or 2 single Ø80			
Dimensions (height x width x depth)	mm	700x360x300		713x475x300	700x360x300			
Net weight	kg	23	23	28,5	28,5	28,5	28,5	28,5



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