

PRODUCTS

catalogue



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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
- BLUEJET® burner:
 - wide range of modulation: 11%-100%
 - improved flame detection
 - reduced pollutant emissions
- NOx emission class - 6
- modern control panel with systems:
 - LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)
 - weather regulation
 - Open Therm
 - 0-10 V



MOBILE APP
Service Version



MOBILE APP
Comfort Version



ACCESSORIES



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



OPEN THERM ROOM TEMPERATURE REGULATOR type:
termet ST-2801
termet ST-2801 wi-fi



REGULATOR COMFORT WI-FI dedicated to the Comfort application



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 BOILERS

High comfort for d.h.w. at Δt 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	
Rated heat output	P_{rated}	kW	19	24	34	19	25	34
Annual energy consumption	Q_{HE}	GJ	38,0	48	67	38	48	67
Seasonal space heating energy efficiency	η_s	%	94	94	94	94	94	94
Modulation range	%		14-100	11-100	12-100	14-100	11-100	12-100
Maximum central heating water pressure	bar		3	3	3	3	3	3
Declared load profile			-	-	-	L	L	XL
Water heating energy efficiency class			-	-	-	A	A	A
Water heating energy efficiency	η_{WH}	%	-	-	-	82	81	83
Water flow at Δt 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	46	48	48	46	48	48
Annual fuel consumption	AFC	GJ	-	-	-	12	12	19
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		33	33	34	34	35	36

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
- NOx emission class - 6
- modern control panel with electronic display
- possibility to combine into the cascade system
- 6 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 Δt 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	40
Seasonal space heating energy efficiency	η_s %		93	93
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	η_{WH} %		-	80
Water flow at Δt 30°C	l/min		-	12,0
Water pressure in d.h.w. circuit	bar		-	0,1-6,0
Sound power level	L_{WA} dB		48	48
Annual fuel consumption	AFC GJ		-	12
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	32,5



ACCESSORIES





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
 - Easy Remote system (compatible with Open-Therm)
 - NOx emission class - 6
 - 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	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	39,1	48,1	68,2	39,1	48,1	68,2
Seasonal space heating energy efficiency	η_s	%	95	93	95	95	93	95
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	L	XL
Water heating energy efficiency class	bar		-	-	-	A	A	A
Water heating energy efficiency	η_{WH}	%	-	-	-	80	80	83
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
Sound power level	L_{WA}	dB	48	48	48	48	48	48
Annual fuel consumption	AFC	GJ	-	-	-	12	12	19
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	785x400x334	785x400x334	785x400x334
Net weight	kg		32	34	36	32	34	37



ACCESSORIES



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
- NOx emission class - 6
- modern control panel with systems:
 - LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)
 - weather regulation
 - Open Therm
 - 0-10 V



MOBILE APP
Service Version



MOBILE APP
Comfort Version

ACCESSORIES

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

OPEN THERM ROOM TEMPERATURE REGULATOR
 type:
termet ST-2801
termet ST-2801 wi-fi

REGULATOR COMFORT WI-FI
 dedicated to the Comfort application

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 Δt 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	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	39,5	47,5	68,9	39,5	47,5	68,9
Seasonal space heating energy efficiency	η_s %	94	94	94	94	94	94
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	L	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	η_{WH} %	-	-	-	81	80	83
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
Sound power level	L_{WA} dB	48	48	48	48	48	48
Annual fuel consumption	AFC GJ	-	-	-	12	12	19
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	785x400x334	785x400x334	785x400x334
Net weight	kg	31,5	32,5	37,5	33,5	34,5	39,5



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
- very quiet operation
- anty-legionella function (automatic/manual)
- NOx emission class - 6
- modern control panel with systems:
 - LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)
 - weather regulation
 - Open Therm

- 0-10 V



MOBILE APP
Service Version



MOBILE APP
Comfort Version



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 Δt 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	η_s %	95	93
Modulation range	%	13-100	16-100
Maximum central heating water pressure	bar	3	3
Declared load profile		L	L
Water heating energy efficiency class		A	A
Water heating energy efficiency	η_{WH} %	75	75
Water flow at Δt 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	44	46
Annual fuel consumption	AFC GJ	13	13
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	64	66

*by using TWIN adapter

ACCESSORIES



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



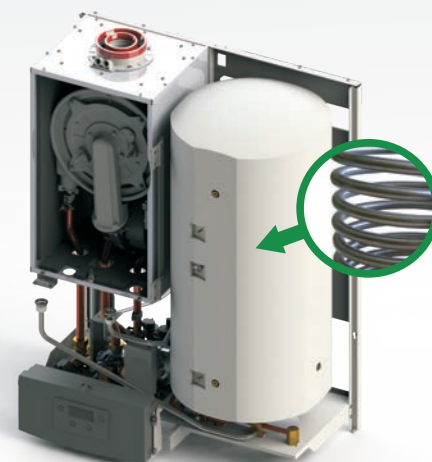
OPEN THERM
ROOM TEMPERATURE
REGULATOR type:
termet ST-2801
termet ST-2801 wi-fi



REGULATOR
COMFORT WI-FI
dedicated to the Comfort
application

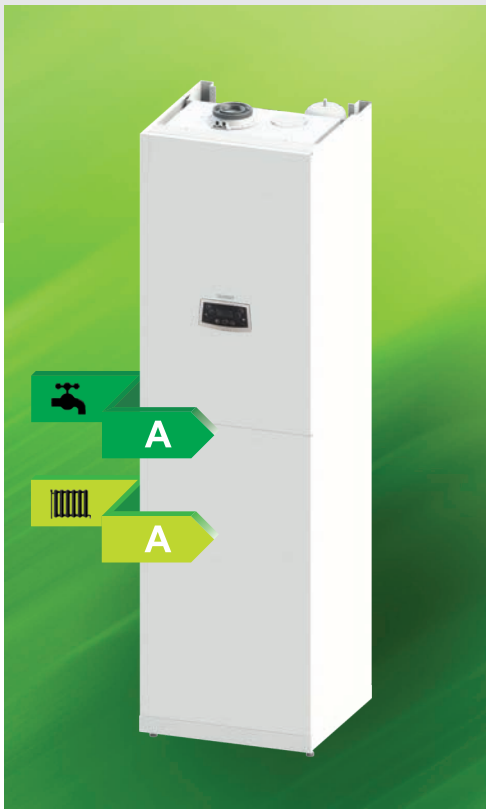


WI-FI SMART
THERMOSTAT



GAS CONDENSING BOILERS WITH INTEGRATED HOT WATER TANK

ECOCONDENS SOLID PLUS



COMBI BOILERS

ECOCONDENS SOLID PLUS 20
ECOCONDENS SOLID PLUS 25
ECOCONDENS SOLID PLUS 35

C.H.

power: 3,0 - 22,0 kW (50/30°C)
power: 4,3 - 26,5 kW (50/30°C)
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 - 30,0 kW (80/60°C)

TECHNICAL FEATURES

- condensing boiler with integrated 107 l hot water tank made of stainless steel INOX
- modulating pump (PWM signal) with automatic air vent
- modern burner provide wide range of modulation: 12%-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
- very quiet operation
- anti-legionella function (automatic/manual)
- NOx emission class - 6
- modern control panel with systems:
 - LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)
 - weather regulation
 - Open Therm
 - 0-10 V



MOBILE APP
Service Version



MOBILE APP
Comfort Version

ACCESSORIES



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



OPEN THERM ROOM TEMPERATURE REGULATOR type:
termet ST-2801
termet ST-2801 wi-fi



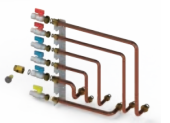
REGULATOR COMFORT WI-FI dedicated to the Comfort application



WI-FI SMART THERMOSTAT



LEFT CONNECTION SET



RIGHT CONNECTION SET

D.H.W. SYSTEM

- tank capacity - 107 l
- coil capacity - 5,0 m²
- coil power - 30 kW
- tank and coil made of stainless steel INOX

WATER FLOW:

High comfort of d.h.w. at Δt 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	P_{rated} kW	20	24	36
Annual energy consumption	Q_{HE} GJ	40,8	48,4	68,9
Seasonal space heating energy efficiency	η_s %	93	93	94
Modulation range	%	13-100	16-100	12-100
Maximum central heating water pressure	bar	3	3	3
Declared load profile		L	XL	XL
Water heating energy efficiency class		A	A	A
Water heating energy efficiency	η_{WH} %	75	81	81
Water flow at Δt 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	L_{WA} dB	44	46	50
Annual fuel consumption	AFC GJ	13	20	19
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

ECOCONDENS CYRKON

SYSTEM BOILERS:

ECOCONDENS CYRKON 25 power: 5,0 - 26,5 kW (50/30°C)

ECOCONDENS CYRKON 35 power: 6,0 - 38,2 kW (50/30°C)

COMBI BOILERS:

C.H.

D.H.W.

ECOCONDENS CYRKON 25 power: 5,0 - 26,5 kW (50/30°C) power: 5,0 - 30,0 kW (80/60°C)

ECOCONDENS CYRKON 35 power: 6,0 - 38,2 kW (50/30°C) power: 6,0 - 40,0 kW (80/60°C)

TECHNICAL FEATURES

- modulating pump with automatic air vent
- modern heat exchanger
 - made of autenitic stainless steel
 - with low hydraulic resistance
 - high resistance to limescale build-up
- burner made of ceramic nonwoven fabric with high range of modulation 1-10
- NOx emission class - 6
- modern control panel with systems:
 - LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)
 - weather regulation
 - Open Therm
 - 0-10 V



MOBILE APP
Service Version



MOBILE APP
Comfort Version

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 Δt 30°C:

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

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

TECHNICAL DATA

PARAMETERS		SYSTEM BOILERS		COMBI BOILERS	
		24 kW	35 kW	24 kW	35 kW
Seasonal space heating energy efficiency class		A	A	A	A
Rated heat output	P_{rated} kW	24	35	24 - c.h. 30 - d.h.w.	35 - c.h. 40 - d.h.w.
Annual energy consumption	Q_{HE} GJ	48,4	69,7	48,4	69,7
Seasonal space heating energy efficiency	η_s %	94	94	94	94
Modulation range	%	20-100	15-100	20-100	15-100
Maximum central heating water pressure	bar	3	3	3	3
Declared load profile		-	-	L	XL
Water heating energy efficiency class		-	-	A	A
Water heating energy efficiency	η_{WH} %	-	-	82	82
Water flow at Δt 30°C	l/min	-	-	14,0	19,0
Water pressure in d.h.w. circuit	bar	-	-	0,1-6,0	0,1-6,0
Sound power level	L_{WA} dB	48	48	48	48
Annual fuel consumption	AFC GJ	-	-	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	750x400x280			
Net weight	kg	31,5	37,5	33,5	39,5



ACCESSORIES



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



OPEN THERM ROOM TEMPERATURE REGULATOR type:
termet ST-2801
termet ST-2801 wi-fi



REGULATOR COMFORT WI-FI dedicated to the Comfort application



WI-FI SMART THERMOSTAT

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: 9,4 - 38,8 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: 9,4 - 38,8 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: 8,4 - 40,2 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 NO_x emission (NO_x - 6 class)
- modern control panel with electronic display
- possibility to combine into the cascade system

ACCESSORIES



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



EVOHOME CENTRAL CONTROLLER with Wi-Fi



OPEN-THERM
type **CR 11011**



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

High comfort of d.h.w. at Δt 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	
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	47	68	40	47	68
Seasonal space heating energy efficiency	η_s %	93	94	95	93	94	95
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	L	XL
Water heating energy efficiency class		-	-	-	A	A	A
Water heating energy efficiency	η_{WH} %	-	-	-	80	79	83
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
Sound power level	L_{WA} dB	48	48	48	48	48	48
Annual fuel consumption	AFC GJ	-	-	-	12	12	19
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	32	33	36	33	34	37



TERMET HEAT CONTROL

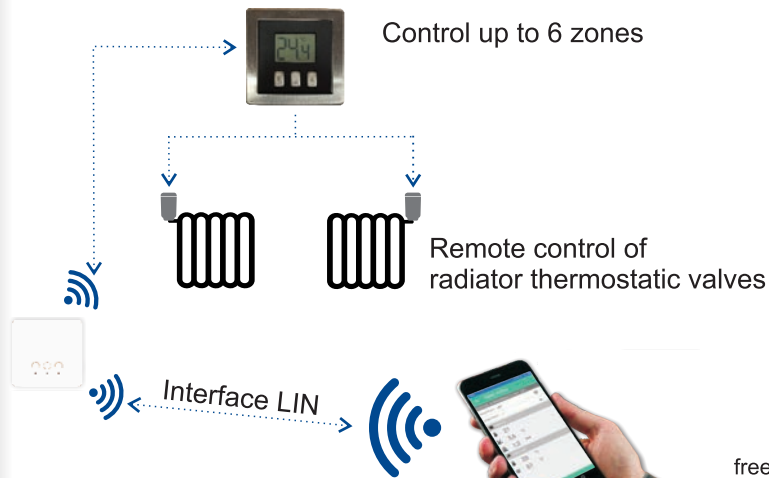
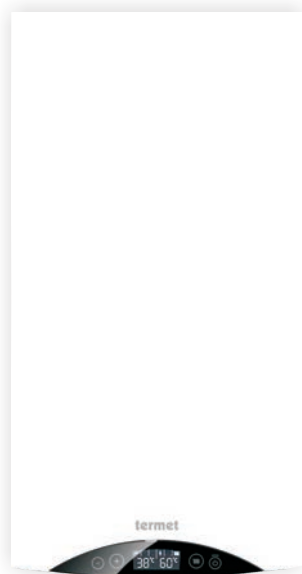
MOBILE APP FOR END-USER



MOBILE APP *Comfort Version*

Functionality of application:

- independent temperature control in individual zones (rooms)
- weekly temperature control at intervals
- performance of the weather regulator function
- remote control of temperature in the hot water cylinder
- monitoring of operation of the heating system
- history of system operation and emergency situations



free application



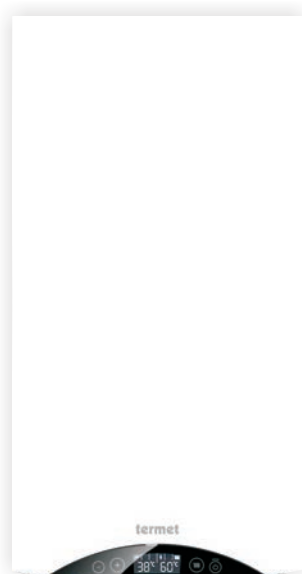
MOBILE APP FOR SERVICE



MOBILE APP *Service Version*

Functionality of application:

- monitoring of boiler operation
- configuration of service parameters
- change of operating mode and settings
- diagnostics of error codes with full description



free application



SAVE ENERGY THROUGH BETTER CONTROL



Control your heating system whenever you want, wherever you are

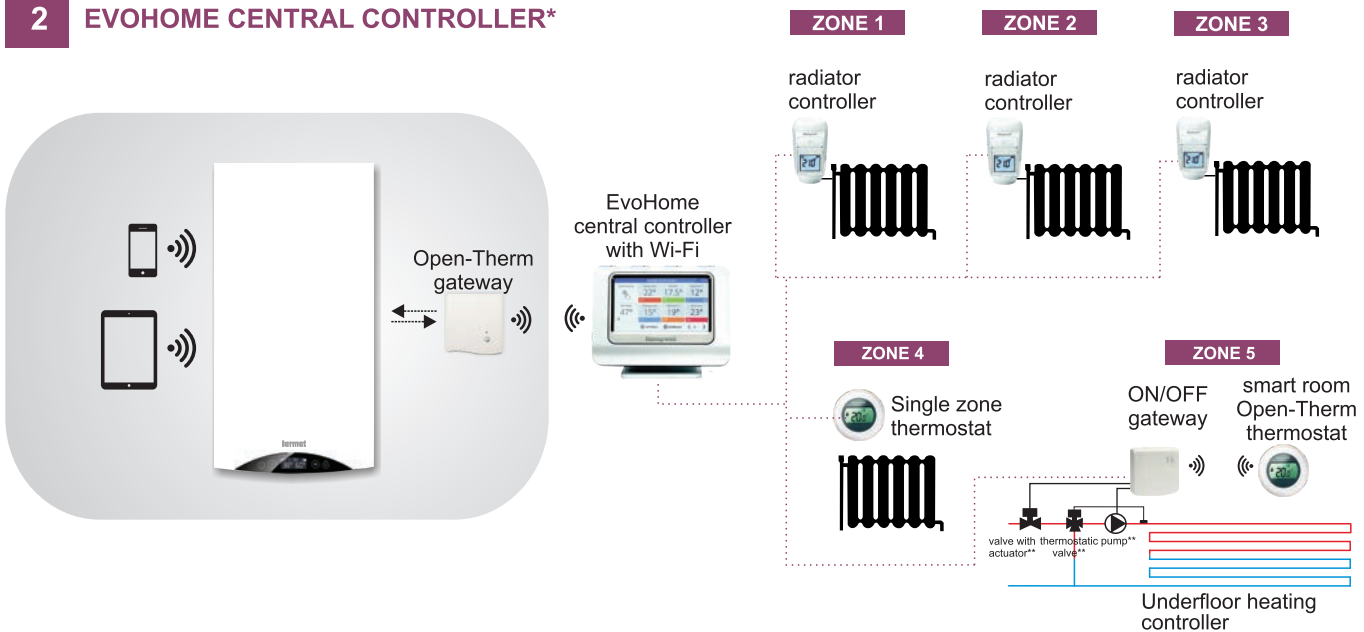
1 SMART OPEN-THERM THERMOSTAT*



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

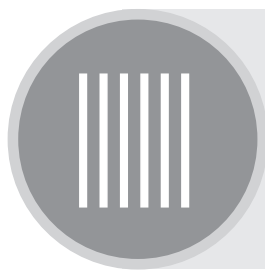
Optimise your home for your comfort

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 - 6 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	P_{rated} kW	45
Annual energy consumption	Q_{HE} GJ	93,1
Seasonal space heating energy efficiency	η_s %	91
Sound power level	L_{WA} dB	69
Nominal heat load	kW	5,7-46,2
Efficiency of the boiler at partial load and return water temperature 30°C	%	107,7
Max temperature (central heating)	°C	95
Standard adjustable temperature	°C	20-80
Reduced adjustable temperature	°C	20-55
Pump head	kPa (bar)	70 (0,7)
NOx emission	class	6
Max. amount of condensate (natural gas)	l/h	4,7
Max. water pressure	bar	3
Expansion vessel capacity	l	8
Air pressure in expansion vessel	bar	0,8 _{0,2}
Supply voltage	V	~230±10%/50Hz
Protection class	-	IPX4D
Power consumption	W	250
Heating water flow/return	inch	G3/4
Chimney connection	mm	Concentric Ø60/Ø100/Ø80/Ø125 or 2 single Ø80 x Ø80
Dimensions (height x width x depth)	mm	730x400x440
Net weight	kg	38

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

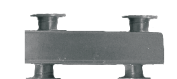


OUTDOOR TEMPERATURE SENSOR



FUME SYSTEM

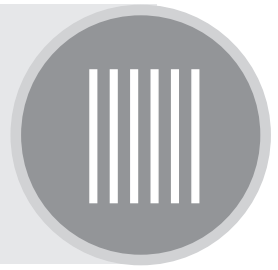
Flue gas exhaust from 2 to 5 boilers working in cascade (quantity of elements - according to the project)



HYDRAULIC COUPLING

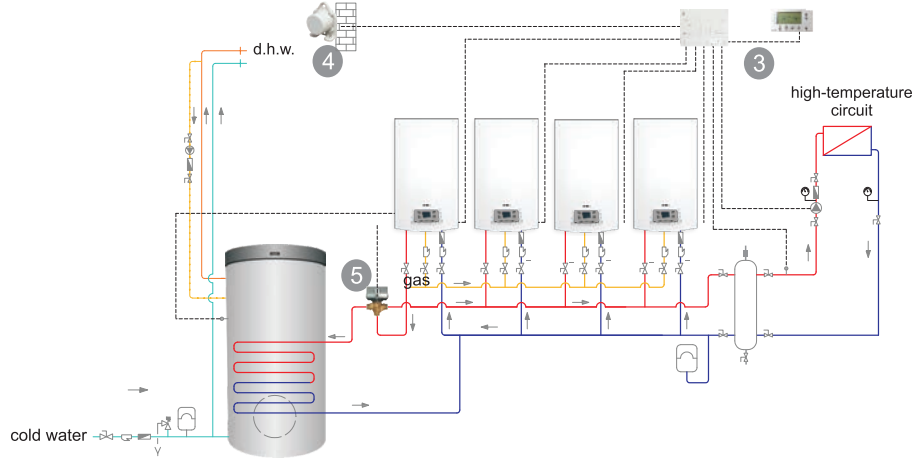
CONTROL OPTIONS

EXAMPLE CONNECTION DIAGRAMS



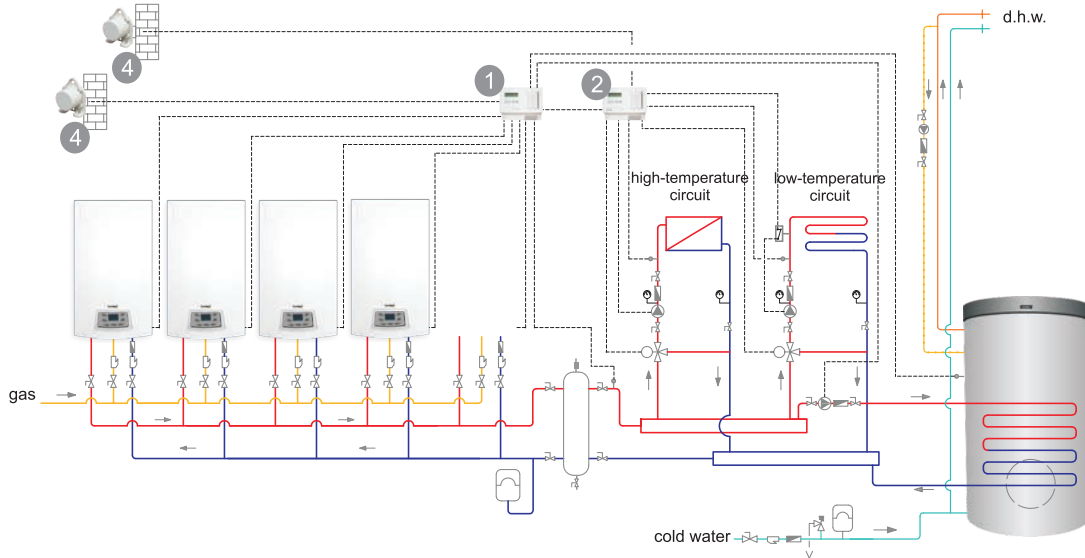
SCHEME 1

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)



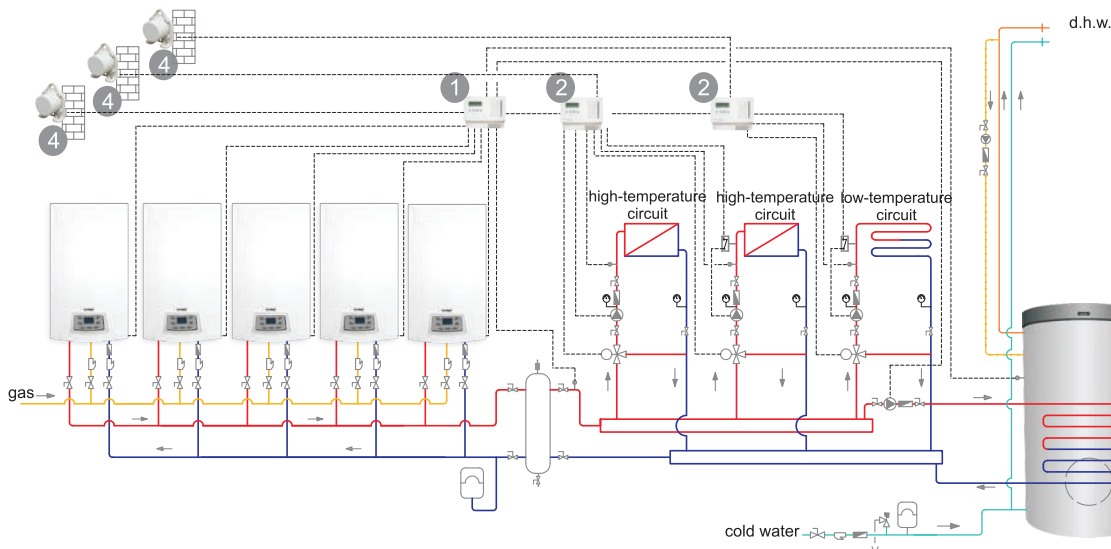
SCHEME 2

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)

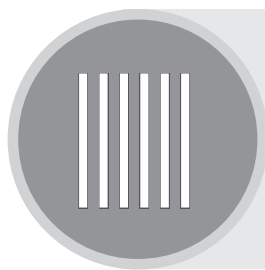


SCHEME 3

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



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 - 6 class)
- electronically controlled burner
- primary modulating pump PWM H-8 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	L_{WA} dB	62	65
Nominal heat load	kW	18,0-82,0	18,0-103,0
Efficiency of the boiler at partial load and return water temperature 30°C	%	107	
Efficiency of the boiler at partial load and return water temperature 70°C	%	97	
Max temperature (central heating)	°C	80	
Standard adjustable temperature	°C	80	
Reduced adjustable temperature	°C	20	
Range of modulation	%	21-100	17-100
Pump head	kPa (bar)	80 (0,8)	
NOx emission	klasa	6	
Max. amount of condensate (natural gas)	l/h	12	15
Max. water pressure	bar	4	
Supply voltage	V	~230±10%/50Hz	
Protection class	-	IPX4D	
Power consumption	W	350	
Heating water flow/return	cale	G5/4"-G1"	
Chimney connection	mm	2 single 2 x Ø100	
Dimensions (height x width x depth)	mm	810x540x545	
Net weight	kg	84	

DUO HEAT EXCHANGER



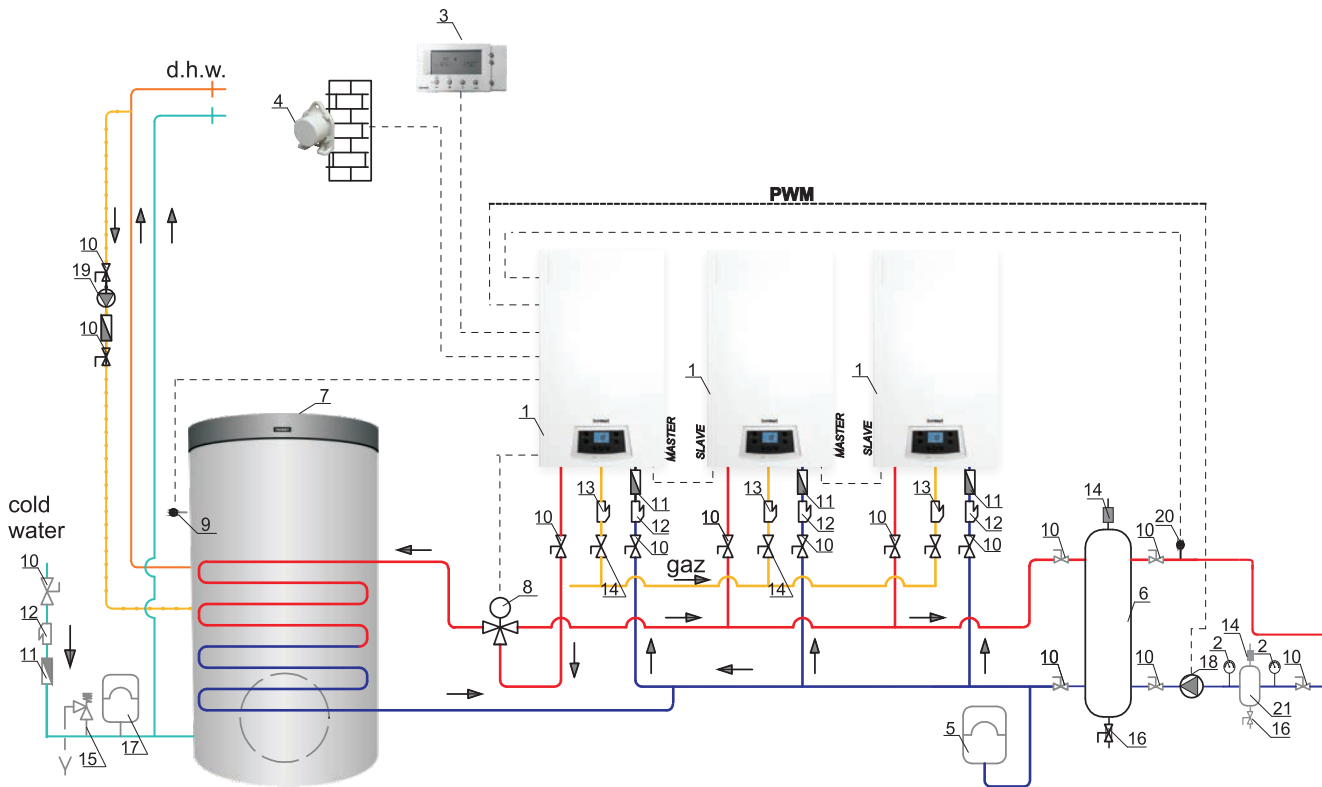
CONTROL OPTIONS

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 | |



AIR HEAT PUMPS FOR C.H.

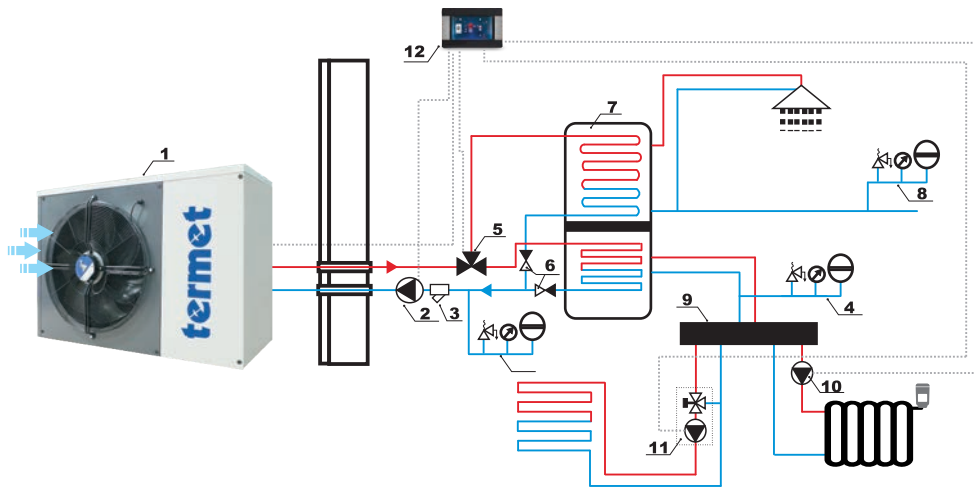
TERMET AIR 10
TERMET AIR 13
TERMET AIR 16
TERMET AIR 20



TECHNICAL FEATURES

- multistage arrangement of the entire refrigeration circuit allows to minimize vibration and silencing
- compressor **SCROLL** type, Panasonic
- **TECH-SEST** evaporator optimized for Central European climatic conditions from 40-120 m² of replacement area
- cooperation with buffer and solid fuel or gas boiler
- 7 sensors available for continuous monitoring of the device
- **I-FROST** system specially designed to speed up defrosting
- control of the pump operation via the Internet, on-line
- pump control unit with colour touch screen with visualization of home screen, menu, editing screen and service settings
- an innovative algorithm to control the expansion valve in order to improve energy efficiency
- automatic selection of settings adjusted to the conditions in the building – the controller "learns" the building
- operation of additional heat source e.g.: gas/oil/pellet boiler, solar system, heater
- operation of two mixing valves from the basic application
- possibility of connecting extension modules

EXAMPLE APPLICATION OF HEAT PUMPS



- 1 - heat pump
- 2 - circulation pump for glycol
- 3 - mesh filter
- 4 - c.h. safety valve
- 5 - three way valve with motor
- 6 - check valve
- 7 - bivalent tank (buffer + d.h.w. tank)
- 8 - d.h.w. safety valve
- 9 - separator
- 10 - pump
- 11 - pump group with mixing valve and motor
- 12 - heat pump controller

HEAT PUMPS

TECHNICAL DATA

PARAMETERS		Termet AIR 10	Termet AIR 13	Termet AIR 16	Termet AIR 20	
A7/W35 (air-water)	Heating output	kW	10,4	13,4	16,4	19,4
	Power consumption	kW	2,47	3,12	3,73	4,51
	COP	-	4,21	4,31	4,4	4,3
	SCOP	-	3,92	3,95	3,94	3,89
	Energy efficiency class	-	A++			
A2/W35 (air-water)	Heating output	kW	8,73	10,12	12,1	17,1
	Power consumption	kW	2,48	2,95	3,57	4,91
	COP	-	3,52	3,48	3,42	3,47
Temperature range of bottom-source (air)	-	from -20°C to +35°C				
Temperature range of heating system	-	from 20°C to 55°C				
Refrigerant	-	R410A				
GWP	-	2088				
Quantities of refrigerant	kg	2,5				
Equivalent CO ₂	tonne	5,22				
Localisation	-	outside				
Protection class	-	IP 43				
Sound power level	dB	67				
Power supply	-	400V/3/50 Hz				
Dimensions (height x width x depth)	mm	1110 x 1470 x 500				
Net weight	kg	around 150				

ACCESSORIES



INTERNET MODULE
ecoNET300



MOBILE APPLICATION
ecoNET.apk
ecoNET.app
www.econet24.com

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

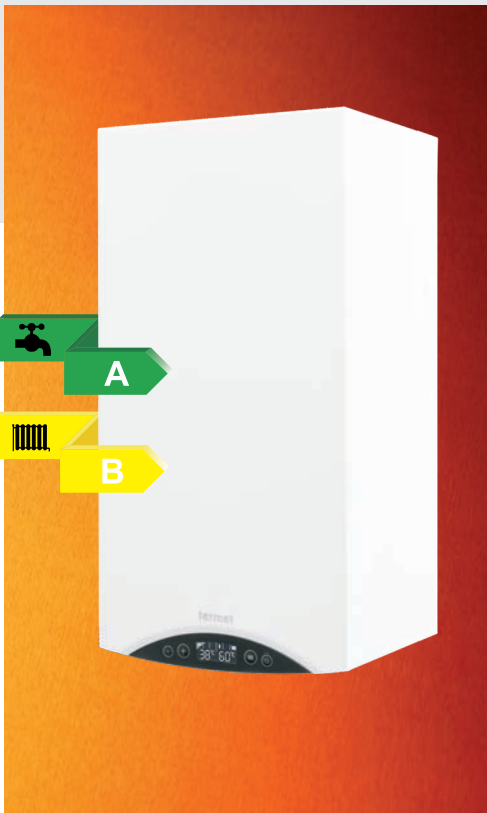
- innovative water-cooled burner which ensures low emission of carbon monoxide and nitrogen oxides
- in accordance with ErP ($\text{NO}_x \leq 56 \text{ mg/kWh}$)
- open combustion chamber
- modulating pump (PWM signal) with automatic airvent
- compact sizes of the boiler - 700 mm x 360 mm x 300 mm
- 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
- LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)



MOBILE APP
Service Version



MOBILE APP
Comfort Version



ACCESSORIES

Room temperature regulators:



TECHNICAL DATA

PARAMETERS		MINIMAX ECO	
		13/22	22/22
Seasonal space heating energy efficiency class		B	B
Rated heat output	P_{rated} kW	13	22
Seasonal space heating energy efficiency	η_s %	82	82
Boiler efficiency	%	94,3	93,8
Maximum central heating water pressure	bar	3	3
Maximum d.h.w. temperature	°C	95	95
Expansion vessel capacity	l	6	6
Water heating energy efficiency class		A	A
Declared load profile		L	L
Water heating energy efficiency	η_{wh} %	76	76
Water flow at Δt 30°C	l/min	10,5	10,5
Range of water temperature regulation	°C	30-60	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	-	IPX4D	IPX4D
Annual energy consumption	Q_{HE} kWh	52,9	52,9
Annual fuel consumption	AFC GJ	13	13
Sound power level	L_{WA} dB	47	55
Dimensions (height x width x depth)	mm	700x360x300	
Net weight	kg	26	26
Gas connection	inch	G $\frac{3}{4}$	G $\frac{3}{4}$
Water connection	inch	G $\frac{1}{2}$	G $\frac{1}{2}$
Chimney connection	inch	Ø130	Ø130



WALL-HUNG BOILERS



INSTANTANEOUS WATER HEATERS

AQUA COMFORT ECO

GT-19-03

GT-23-03

TECHNICAL FEATURES

CLOSED COMBUSTION CHAMBER

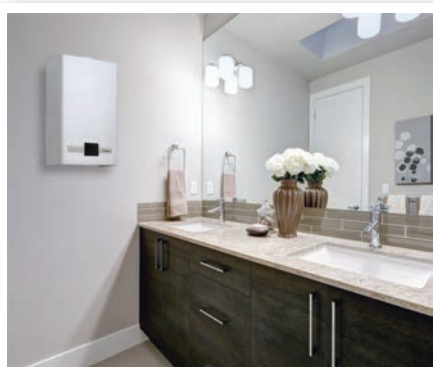
AQUA COMFORT ECO GT-19-03 power 7,5-19,5 kW (2-11 l/min)

AQUA COMFORT ECO GT-23-03 power 8,5-23,0 kW (2-13 l/min)

- innovative water-cooled burner which ensures low emission of carbon monoxide and nitrogen oxides
- in accordance with ErP ($\text{NOx} \leq 56 \text{ mg/kWh}$)
- electronic linear power modulation
- water temperature regulation with two buttons (+/-)
- LCD display showing d.h.w. temperature
- new generation copper heat exchanger
- ignition at very low water pressure - starting from 20 kPa
- protection class: IPX4D
- 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

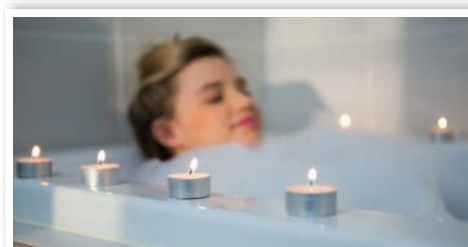
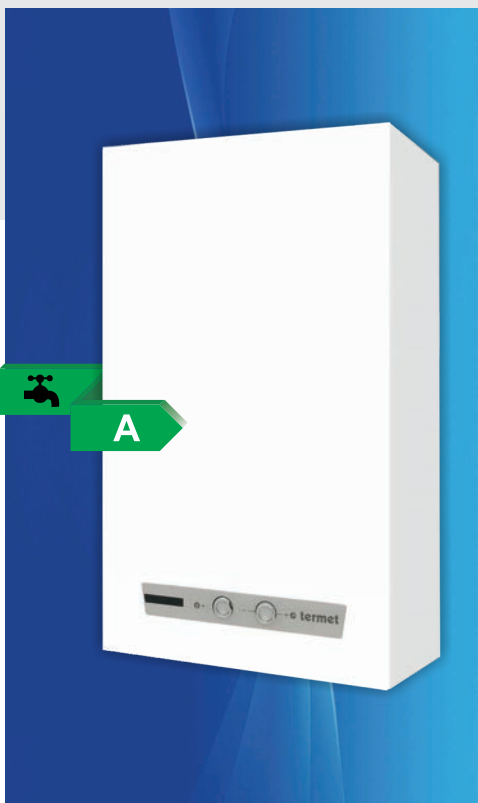
PARAMETERS			GT-19-03	GT-23-03
Declared load profile			M	L
Water heating energy efficiency class			A	A
Water heating energy efficiency	η_{WH}	%	69	76
Annual electricity consumption	AEC	kWh	25	35
Annual fuel consumption	AFC	GJ	6	11
Sound power level	L_{WA}	dB	50	52
Thermostat temperature setting		°C	35	35
Water flow		l/min	2-11	2-13
Heating power		kW	7,5-19,2	8,5-23,0
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		-	IPX4D	IPX4D
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 ELECTRONIC
GE-19-02 ECO

TERMAQ AQUA-POWER
GH-19-02 ECO



OPEN COMBUSTION CHAMBER

TERMAQ ELECTRONIC ECO GP-19-01 power 7,7-19,2 kW

TERMAQ AQUA POWER ECO GH-19-02 power 7,7-19,2 kW

TECHNICAL FEATURES

- **TERMAQ ELECTRONIC ECO** electronic ignition from batteries
- **TERMAQ AQUA POWER ECO** electronic ignition from hydrogenerator

- innovative water-cooled burner which ensures low emission of carbon monoxide and nitrogen oxides
- in accordance with ErP ($\text{NO}_x \leq 56 \text{ mg/kWh}$)
- short waiting-time for heater start-up (3-5 seconds)
- 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
- ignition at very low water pressure - even as low as 20 kPa
- complete protection system
- steady and quiet operation
- possibility to adjust different types of gas
- diodes signalizes current working state and battery power level



TECHNICAL DATA

PARAMETERS			TERMAQ ELECTRONIC GE-19-02	TERMAQ AQUA-POWER GH-19-02
Type of ignition			electronic ignition from batteries	electronic ignition from hydrogenerator
Declared load profile			M	M
Water heating energy efficiency class			A	A
Water heating energy efficiency	η_{WH}	%	79	79
Annual fuel consumption	AFC	GJ	6	6
Sound power level	L _{WA}	dB	53	53
Heating power	kW		7,7-19,2	7,7-19,2
D.H.W. flow at $\Delta t \leq 50^\circ\text{C}$	l/min		3,2-5,7	3,2-5,7
D.H.W. flow at $\Delta t \leq 25^\circ\text{C}$	l/min		5,7-11,5	5,7-11,5
Maximum d.h.w. temperature (outlet)	°C		65	65
Thermal efficiency	%		88	88
Chimney connection	mm		Ø117	Ø117
Gas connection	inch		G¾	G¾
Cold water connection	inch		G½	G½
Hot water connection	inch		G½	G½
Dimensions (height x width x depth)	mm		590/360/230	
Net weight	kg		9,5	9,5

INSTANTANEOUS WATER HEATERS



D.H.W. TANKS

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



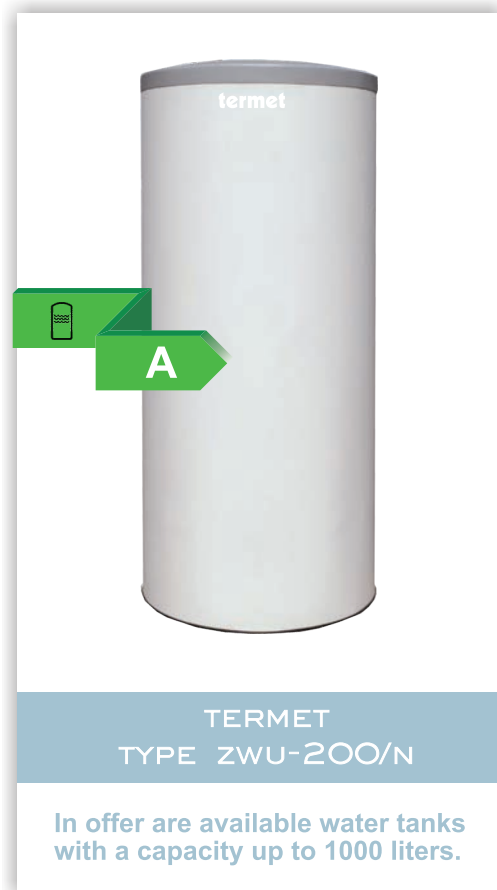
TECHNICAL FEATURES

- capacity of d.h.w. tanks:
 - TERMET SG 100 - 100 liters
 - TERMET SG 120 - 120 liters
 - TERMET SG 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 SG 100, 120)*
 - 16 l/min (TERMET SG 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	l	100	125	141	200
Coil surface	m²	1,30	1,30	1,60	1,65
Coil capacity	l	6,0	6,0	7,4	9,8
PRODUCTION CAPACITY*					
80/10/45°C	l/min	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
CONSTANT HEATING POWER					
80/10/45°C	kW	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	m³/h	3,0	3,0	3,0	2,6
TANK'S PARAMETERS					
Net weight	kg	70	71	78	65
Dimensions (diameter x height)	mm	542x895	615x940	615x1010	720x1200
Central heating water (supply)	inch	¾	¾	¾	1
Central heating water (return)	inch	¾	¾	¾	1
Circulation	inch	¾	¾	¾	¾
Cold water connection	inch	¾	¾	¾	¾
Hot water connection	inch	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



TERMET UTS 130

TERMET UTS 100

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	m²	1,063	1,063	1,063
Coil capacity	l	4	4	4
PRODUCTION CAPACITY*				
80/10/45°C	l/min	11,9	11,9	11,9
70/10/45°C		8,8	8,8	8,8
CONSTANT HEATING POWER				
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
MAXIMUM OPERATING TEMPERATURE				
Primary circuit (coil)	°C	90	90	90
Secondary circuit (tank)		80	80	80
MAXIMUM OPERATING PRESSURE				
Primary circuit (coil)	bar	6	6	6
Secondary circuit (tank)		6	6	6
Test pressure		9	9	9
TANK'S PARAMETERS				
Net weight	kg	29	39	41
Dimensions (diameter x height)	mm	600x770	600x940	600x1075
TIME OF HEATING (from 10 to 55°C) at delivery temperature 80°C at boiler output:				
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



TERMET
TYPE UTS 150 L



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:

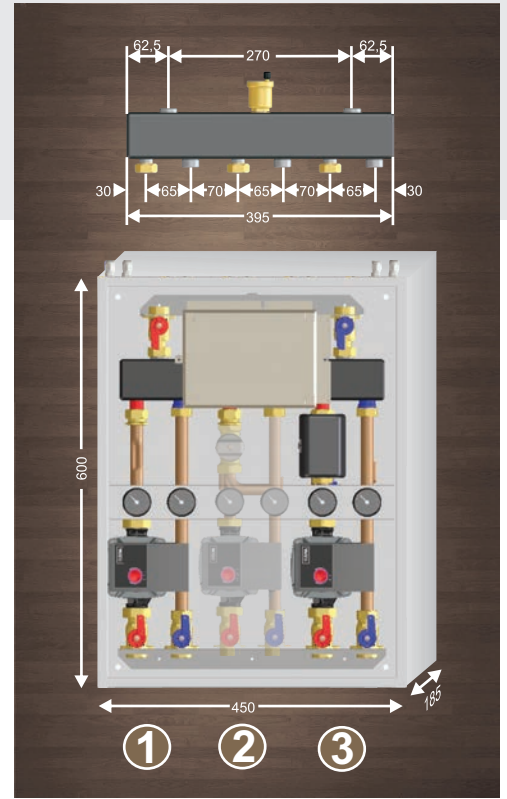
- high-temperature zones (radiator heating) ①
- low-temperature zones (floor heating) ③

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).

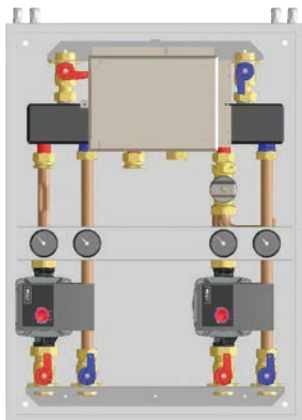
BASIC EQUIPMENT:

- 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



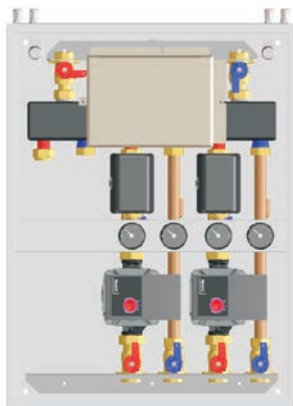
Low-temperature set type:

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



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

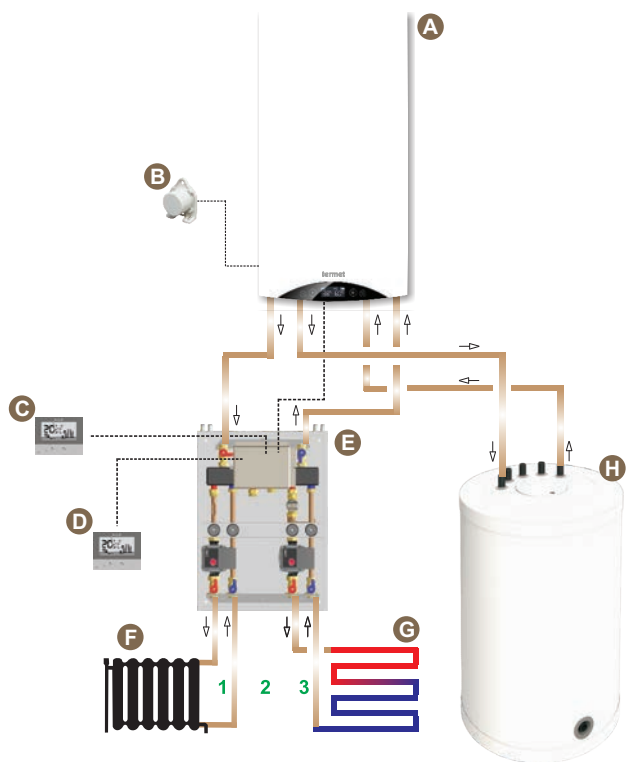


MULTI-ZONE HYDRAULIC SEPARATOR SIM 2Z.H FOR HEATING SYSTEMS



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

with thermostatic valve and electronic pump



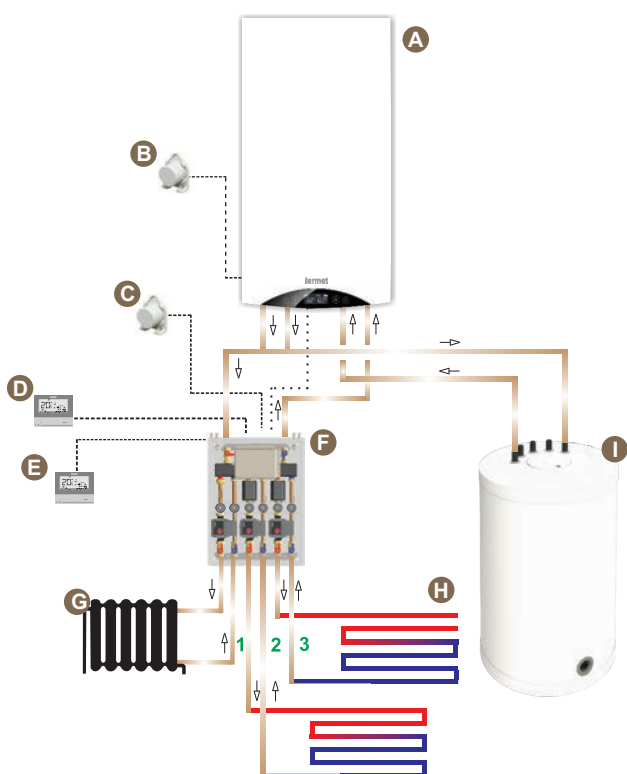
Connection of gas boilers with multi-zone module SIM 2Z TYPE 1LTT.1HT.YP

- 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

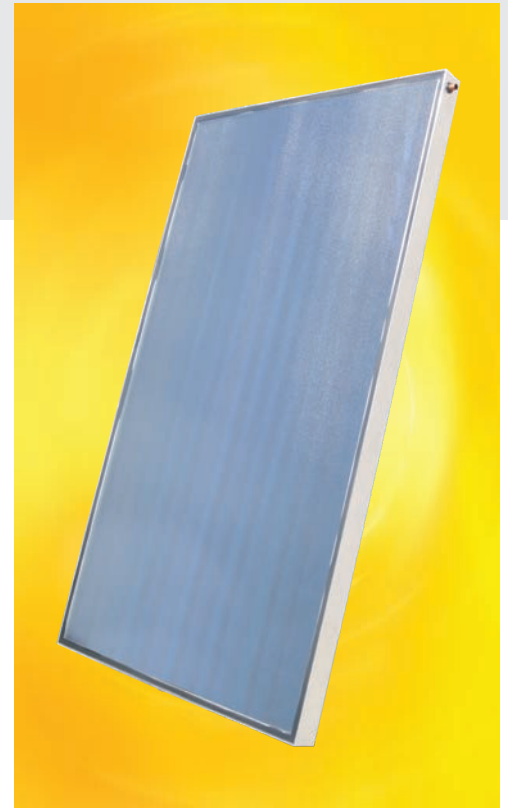
- 1 - high-temperature zone
- 2 - high/low-temperature connection set in option
- 3 - low-temperature zone with mixing electronic valve

- 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 aluminium 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	COLLECTOR BOTTOM		
Mass	34,7 kg	41,5 kg	Material (thickness)	0,4 mm	0,4 mm
SURFACE AREAS			GLASS		
Gross area	2,03 m ²	2,53 m ²	Type	solar glass	solar glass
Aperture area	1,84 m ²	2,32 m ²	Thickness	4 mm	4 mm
Absorber area	1,84 m ²	2,32 m ²	Transmission rate	0,915	0,915
ABSORBER			HEAT INSULATION		
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	ADDITIONAL DATA		
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 η_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 ² xh	25-60 l/m ² 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	
FLAT SOLLAR COLLECTOR AMX	2 pcs	3 pcs	4 pcs	
CONNECTION SET	1 pc	1 pc	1 pc	
ENERGY-SAVING GROUP PUMP GPS PWM	1 pc	1 pc	1 pc	
<ul style="list-style-type: none"> • Pump Yonos Para PWM • Two ball valves integrated with check valves and thermometers • Safety group with manometer and safety valve 6 bar • Air separator • Thermal insulation housing 				
D.H.W. TANK WITH TWO COILS				
<ul style="list-style-type: none"> • Capacity • Height • Diameter with insulation • Surface of upper coil • Surface of lower coil • Weight • Colour 	dm ³ mm mm m ² m ² 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
DIAPHRAGM VESSEL	18	24	35	
SOLAR LIQUID - CONCENTRATE 10 L	1	2	2	
MOUNTING SET FOR A FLAT ROOF FOR COLLECTORS AMX 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
- LIN (Local Interconnect Network) with mobile applications for service (Service Version) and for end-user (Comfort Version)



MOBILE APP
Service Version



MOBILE APP
Comfort Version



ACCESSORIES

Room temperature regulators:



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



REGULATOR COMFORT WI-FI
dedicated to the Comfort application



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 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}
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	-	IPX4D	IPX4D	IPX4D	IPX4D
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
- LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)



MOBILE APP
Service Version



MOBILE APP
Comfort Version

ACCESSORIES

Room temperature regulators:



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



REGULATOR COMFORT WI-FI
dedicated to the Comfort application



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 _{-0,2}	0,8 _{-0,2}
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	-	IPX4D	IPX4D
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

MAXI TERM
ELEGANCE

MAXI TERM
ELEGANCE
turbo

OPEN COMBUSTION CHAMBER

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

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

CLOSED COMBUSTION CHAMBER

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

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

TECHNICAL FEATURES

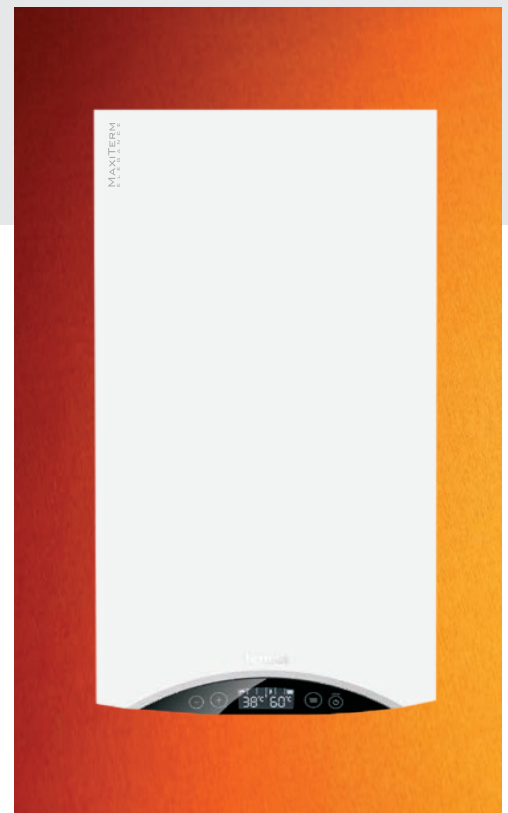
- very quiet operation of boiler
- multifunction control panel with digital display
- full auto-diagnostic system with error codes
- main heat exchanger made of copper
- electronic ignition with ionization flame control
- soft ignition function
- bi-thermic heat exchanger made of copper
- high efficiency of d.h.w. (→ see the table below)
- weather regulation available
- complete protection system
- adjustment to different types of gas
- LIN (Local Interconnect Network) with mobile applications for service (**Service Version**) and for end-user (**Comfort Version**)



MOBILE APP
Service Version



MOBILE APP
Comfort Version



ACCESSORIES

Room temperature regulators:



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



REGULATOR COMFORT WI-FI
dedicated to the Comfort application



SMART OPEN-THERM THERMOSTAT



WALL-HUNG BOILERS

TECHNICAL DATA

PARAMETERS		MAXI TERM ELEGANCE GCO-DP-29-26		MAXI TERM 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	-	IPX4D	IPX4D	IPX4D	IPX4D
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
UNICO ELEGANCE 35 TURBO TYPE GCO-24-01-35 power 10,0-35,0 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
- LIN (Local Interconnect Network) with mobile applications for service



MOBILE APP
Service Version



MOBILE APP
Comfort Version

ACCESSORIES

Room temperature regulators:



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



REGULATOR
COMFORT WI-FI
dedicated to the Comfort
application



SMART OPEN-THERM
THERMOSTAT

TECHNICAL DATA

PARAMETERS		UNICO ELEGANCE			UNICO ELEGANCE TURBO				
		13	24	29	13	21	24	29	35
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	10,0-35,0
Boiler efficiency at rated power	%	91,4	93,1	91,6	91,4	92,8	92,8	92,8	91,4
Maximum temperature of c.h. circuit	°C	95	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	40-85
Regulated temperature (floor heating)	°C	35-55	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	6
Expansion vessel pressure	bar	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}	0,8 _{-0,2}
Maximum c.h. water pressure	bar	3	3	3	3	3	3	3	3
Protection class	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
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			711x475x300	
Net weight	kg	23	23	28,5	28,5	28,5	28,5	28,5	36

WALL-HUNG BOILERS



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: IPX4D
- 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	η_{WH}	%	79	88
Annual electricity consumption	AEC	kWh	26	35
Annual fuel consumption	AFC	GJ	6	10
Sound power level	L _{WA}	dB	53	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		-	IPX4D	IPX4D
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

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


ACCESSORIES



LOWER COVER

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

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		A	B	A	A	A
Water heating energy efficiency	η_{WH} %	69	59	76	79	76
Annual electricity consumption	AEC kWh	0	0	0	0	0
Annual fuel consumption	AFC GJ	7	14	6	12	6
Sound power level	L _{WA} dB	53	57	53	54	53
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 $\Delta t \leq 50^\circ\text{C}$	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 $\Delta t \leq 25^\circ\text{C}$	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)	°C	65	65	65	65	65
Thermal efficiency	%	86	87	86	87	86
Chimney connection	mm	Ø114	Ø132	Ø114	Ø132	Ø114
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



INSTANTANEOUS WATER HEATERS

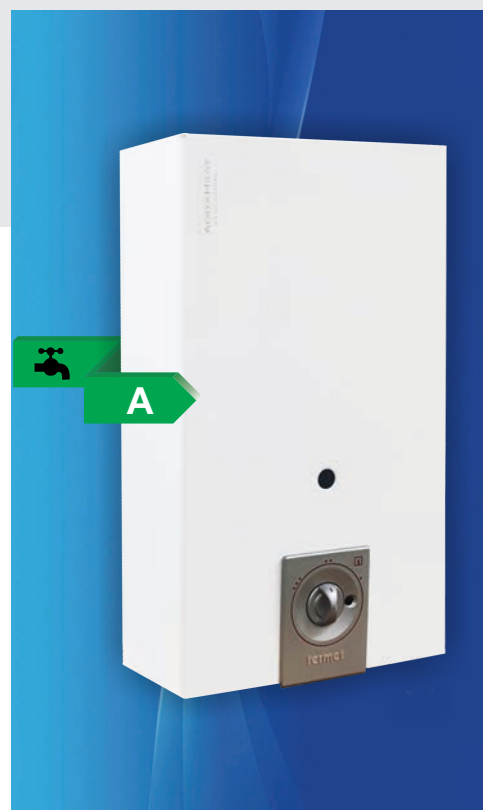
AQUAHEAT ELECTRONIC G-19-00

OPEN COMBUSTION CHAMBER


AQUAHEAT ELECTRONIC G-19-00 power 7,7 - 17,4 kW

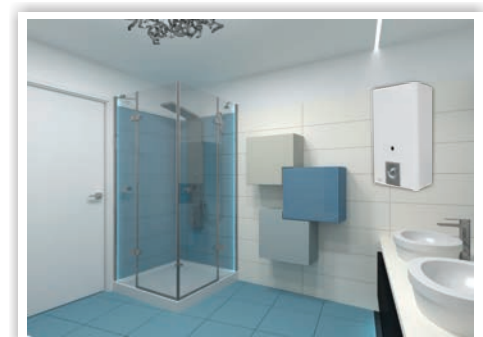
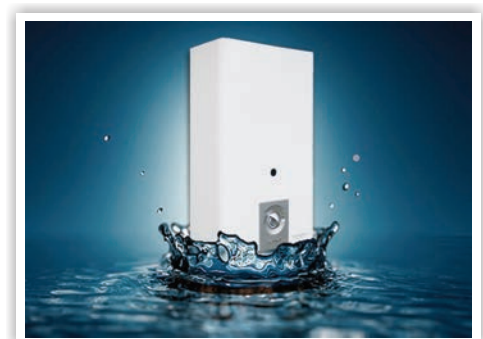
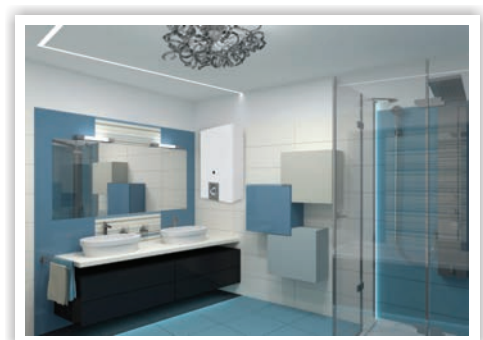
TECHNICAL FEATURES

- 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	η_{WH}	%	74
Annual electricity consumption	AEC	kWh	0
Annual fuel consumption	AFC	GJ	6
Sound power level	L_{WA}	dB	58
Heating power	kW		7,7-17,4
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
Flue connection (internal diameter)	mm		Ø114
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



NOTE:



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