

Kombitech



kW
24/28

Kombimix



WALL HUNG GAS BOILERS

DIZAYN | KOMBI

dizaynkombi.com

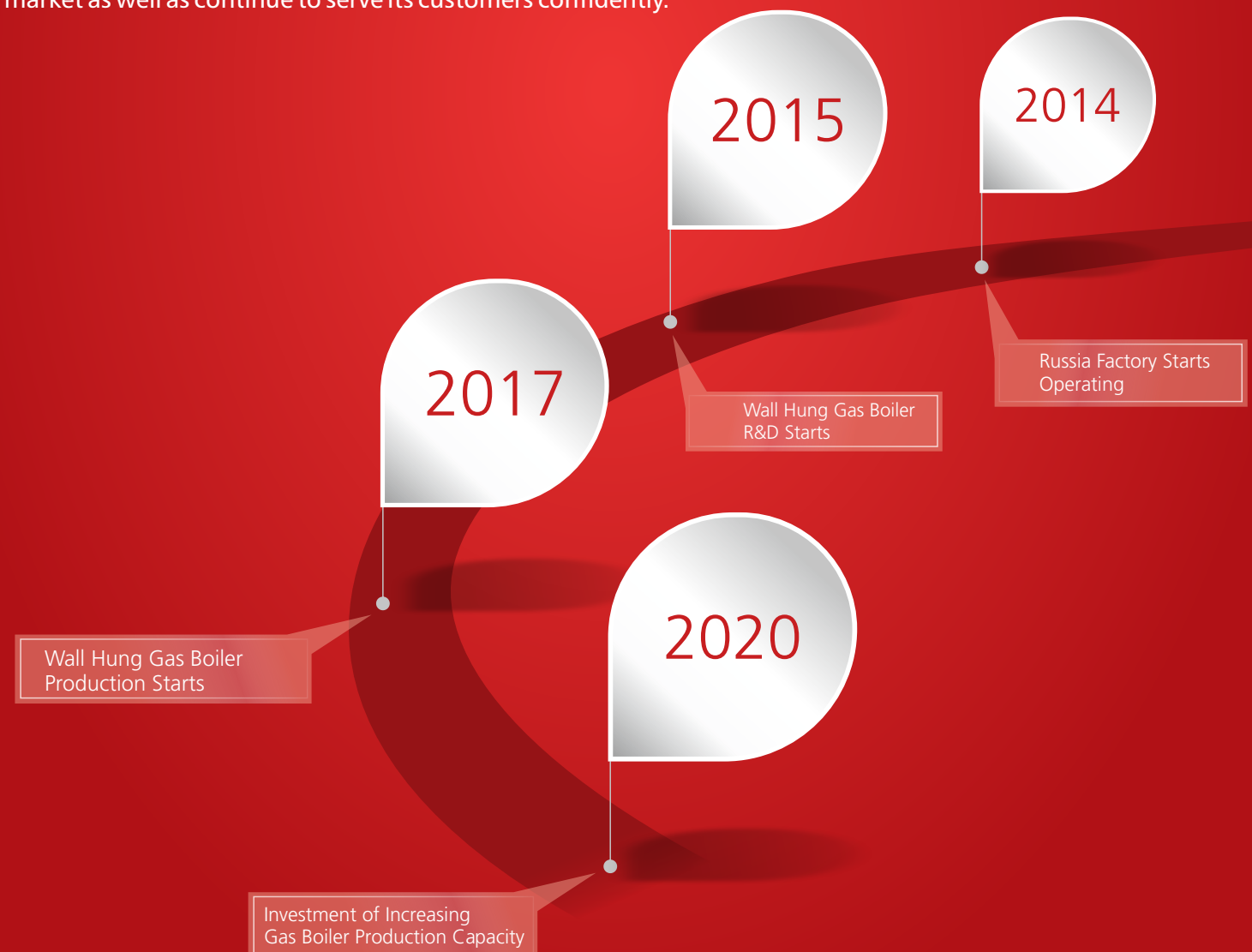
ABOUT US

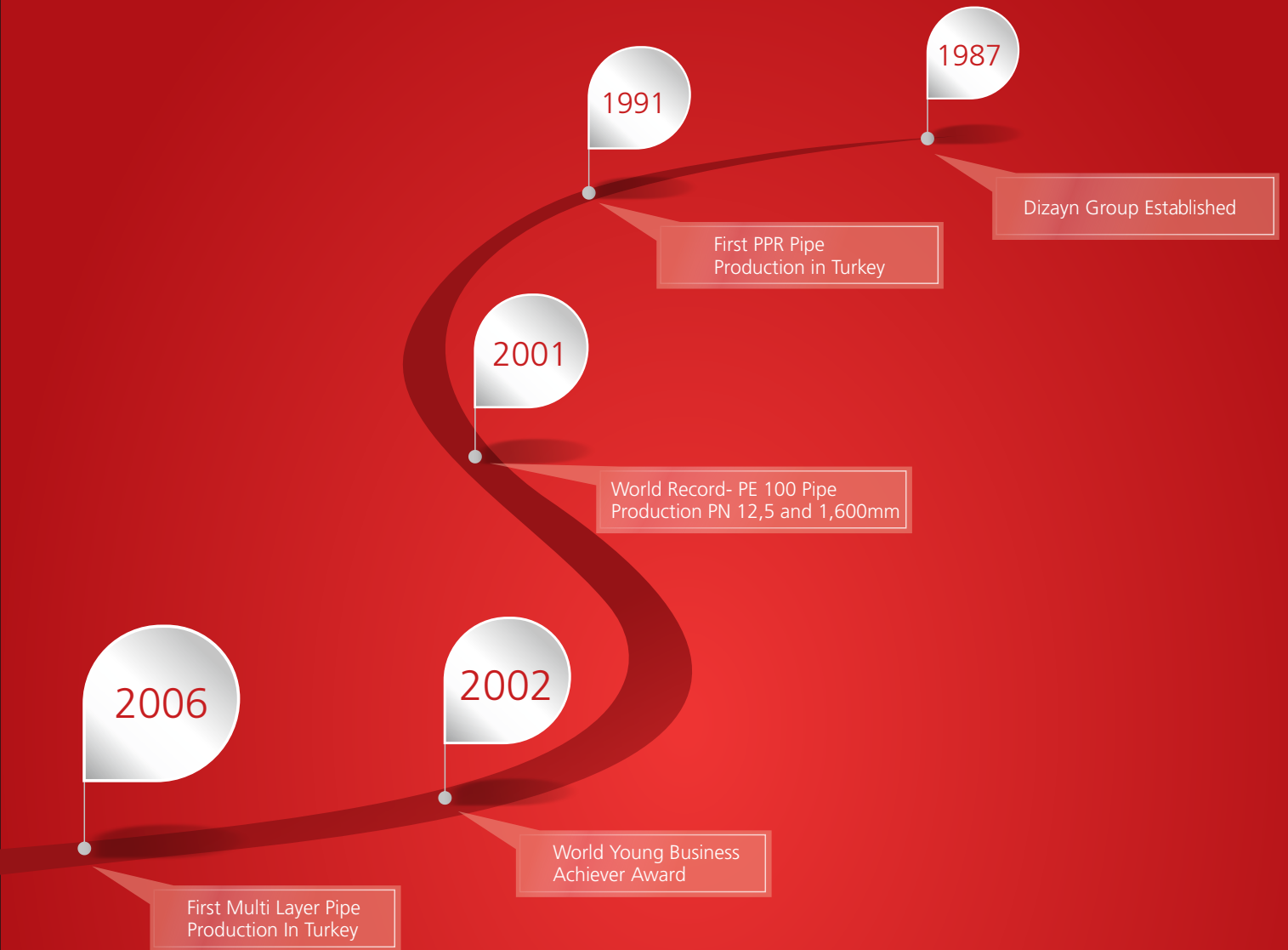


In 1998, Dizayn Group produced the first oxygen barrier floor heating pipes in Turkey which continued to innovate in central heating with many products such as Medium Layer Foiled Pipes, High-Tech Metal Fittings and Plastic Ball Valves, Elite Pipe. With the introducing of Dizayn Kombi to the market in 2015, Dizayn Group brought reliable and practical solutions which played a complementary role in the heating system.

As a family established 35 years ago with 100% native capital, we have been one of the industry's pioneers with our boiler production facility in Istanbul which has a capacity of creating more than 100.000 units. Currently exporting to more than 80 countries, our company provides fast and reliable service with its widespread service network. As the first manufacturer of Gas Adaptive boiler in Turkey, Dizayn Kombi offers newest technology to the buyers through its R&D support and brand power.

With the vision of becoming a solution partner on a global scale, Dizayn Kombi made boiler and plastic investments in the state of Mecklenburg-Vorpommern in Germany. Getting closer to the its goal of being one of the main players in HVAC industry at a global level, Dizayn Kombi will present its new products to the market as well as continue to serve its customers confidently.





SAFETY SYSTEMS

- ① **High Water Pressure Relief (3 Bar)**
Protects the radiator heating circuit and device against possible increase in pressure.
- ② **Low Water Pressure Relief (0,5 Bar)**
Prevents the device operation in low water pressure.
- ③ **Automatic By-Pass System**
Ensures water circulation in the device to prevent heat build-up.
- ④ **Expansion Tank (7 L)**
Compensates for the expansion of the hot water in the heating circuit.
- ⑤ **EMC Filter**
The filtration system that provides electromagnetic compatibility.
- ⑥ **Ionization Electrode**
Checks for the presence of flame in burner.
- ⑦ **Pump Anti-Blockage System**
Prevents blocking of the pump by running it in every 24 hours as long as there is electrical connection.
- ⑧ **3 Way Valve Anti-Blockage System**
Prevents blocking by running the 3 way valve in every 24 hours as long as there is electrical connection.
- ⑨ **Anti-Freezing System**
In the case of electricity and gas supply is available, Anti-Freezing System activates the device automatically when mains water temperature is below 5° C.
- ⑩ **Automatic Air Vent**
Ensures automatic expulsion of the air in the heating installation.
- ⑪ **Safety Valve**
Provides protection against overpressure in the heating installation.
- ⑫ **Overheating Safety Thermostat (90° C)**
Stops the device operation if heating water temperature exceeds safety level.
- ⑬ **Air-Suction Security**
Turns off and secures the device when sufficient air flow is not available inside the device.
- ⑭ **Limit Thermostat**
Limits the temperature of the water exiting the heat exchanger to 105° C.

Kombitech PLUS

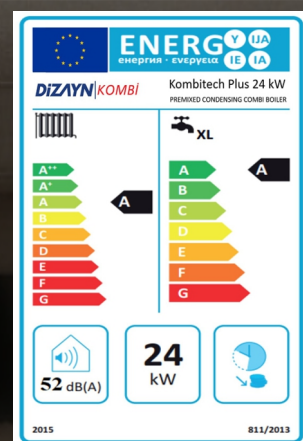
FULL PREMIX

Condensing Wall Hung Gas Boiler

Gas Adaptive



Kombitech Plus offers A CLASS efficiency (%108,1*) in both central heating and domestic water. Fits to ErP Regulations and warms your house.



Kombitech PLUS

kW
24/28

41 cm
Width

72 cm
Height

28
kg

30 cm
Depth



A CLASS HIGH PRODUCTIVITY WITH GAS ADAPTIVE SYSTEM

With its electronic Gas Adaptive System and Full Premix features, it can detect gas quality and maintain burning quality. Provides up to %108,1 efficiency by using all gas energy.



DOUBLE TAP WARM WATER COMFORT (15 l/Min)

Provides up to 15 liters per minute (Δt : 30°C) double tap with high hot water capacity.



QUIET OPERATING AND LOW HEAT LOSS

Reduces heat loss through its special insulation used on the front and side covers and operates quietly. Works efficiently and silently through its fan modulation.



CONTINUOUS INSTANT HOT WATER WITH PRE-HEAT

Always keeps the plate heat exchanger water hot by its pre-heating feature.



SAVING WITH UP TO 1/10 MODULATION

Both fixes its capacity accordingly with the requirement and ensures saving through its up to 1/10 ratio wide modulation interval by decreasing its power to 3kW.



LONGER LIFE WITH STAINLESS PREMIX STEEL EXCHANGER

Allows longevity with wide groove weldless, single strand stainless steel combustion exchanger and stainless steel domestic water heat exchangers.



CORROSION RESISTANT BRASS HYDRO BLOCK

Has a long life span with its thermal stresses and corrosion durable brass and composite hydro block.



ANNUAL 26 KW ELECTRIC CONSUMPTION

According to the ErP regulation, it has A class hot water efficiency. Has a very low electricity consumption value in water heating such as 117W per day and 26kW per year. (May vary depending on its usage).

Digital
LCD Display

Central Heating
Knob

Control
Buttons

Domestic Hot
Water Knob

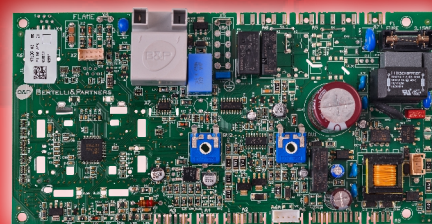


GAS ADAPTIVE GAS CONTROL SYSTEM

Combustion performance of the supplied gas is automatically monitored and it is adjusted for full combustion by means of gas adaptive system used in Dizayn Kombi. Thus, full combustion is possible at gas pressures varying in 3 - 20 mbar interval, in cases of E-H-LL gas deviations or supply dependent wobbles in H gas.

ADJUSTED PERFORMANCE FOR DIFFERENT CITIES

Adjust to My Environment: With this optional setting; quiet combustion, full performance and high efficiency are offered by means of the modulation curve identified for your city.



The Warmth of Your House is on Your Hands with Dizayn Room Thermostats!

You can now easily warm up more efficiently and comfortably through Dizayn Room Thermostats which function fully integrated with Dizayn Gas Boilers (for both Condensing and Conventional) as well as make precise arrangements up to 0.1° on the large LCD screen.

- Wireless Connection
- Large LCD Screen
- Easy Usage
- Precise Temperature Measurements
- Heat Calibration Control
- On-Off Control



Kombitech PLUS

Stainless Steel PREMIX Exchanger

With its bold vessel, without any welded sections, single spiral, stainless steel, special design heat exchanger, its longevity is extremely high.

Premix Burner Group

Compatible with stainless steel and gas adaptive system and very resistant.

Modulation Circulation Pump

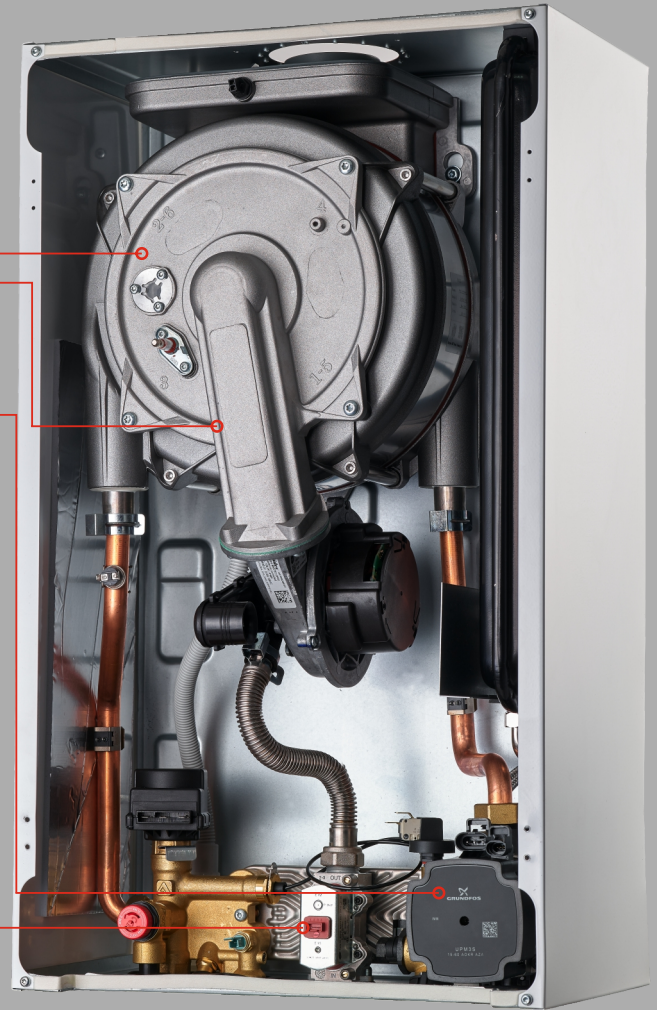
Provides lower electric consumption with its ERP-compatible modulation pump.

B&P Electronic Board and Gas Adaptive System

Always operates in high productivity.

Can function with both Natural Gas and LPG.

- Supplies easy interference with its service-friendly interior design.
- Delivers ideal sound and heat isolation through its soft isolation materials and design.



Technical Specifications	Unit	Kombitech PLUS 24	Kombitech PLUS 28
Specifications of Installation			
Maximum thermal load	kW	25,3	29,3
Minimum thermal load	kW	8,0	9,2
Maximum thermal power (30/50)		24,1	27,8
Minimum thermal power (30/50)		7,4	8,3
Maximum thermal power (80/60)	kW	23,1	27
Minimum thermal power (80/60)	kW	7,4	8,3
Efficiency (92/42 EEC)	%	107,5	107,5
Operating temperature interval	°C	30-85	30-85
Maximum operating pressure	bar	3	3
Expansion tank capacity	L	8	8
NOx class		6	6
Pump type		15/50	15/65
Gas category		I2H	I2H
Specifications for Tap Water			
Maximum thermal power	kW	22,3	26,2
Specific water flow (ΔT=30° C)	L	10,7	12,5
Minimum water flow	L	2	2
Operating temperature interval	°C	30-65	30-65
Maximum operating pressure	bar	8	8
Electrical Specifications			
Operating voltage		220-240 V 50Hz	
Protection class		IPX4D	
Electrical power	W	90	
Dimensional Features			
Dimensions (WxHxD)	mm	413*720*282	413*720*302
Weight (net)	kg	30,2	31,7

Technical Specifications	Unit	Kombitech PLUS 24	Kombitech PLUS 28
Basic Functions			
Combustion technique		Premix	Premix
Exchanger		Inox	Inox
Adjust for My City (AMC)		✓	✓
Smart heating		✓	✓
Modulation monitoring in LCD		✓	✓
Turbo tap water			
Exchanger type		Double	Double
Number of Heating NTCs		2	2
Gas adaptive system		✓	✓
Anti-freezing system		✓	✓
Pump anti-blocking system		✓	✓
3 way valve anti-blocking system		✓	✓
Flame modulation		✓	✓
Double control for tap water		✓	✓
Compatibility with solar energy		✓	✓
Compensative adaption to outdoor air		✓	✓
Adaption to room thermostat		✓	✓
Specifications of Exhaust Gas System			
Chimney types		C12-C32-C52	C12-C32-C52
Maximum chimney length	Vertical m	20	20
	Horizontal m	6	6
Chimney diameters	mm	80/110	80/110
Standard length	m	0,8	0,8

CONVENTIONAL

Wall Hung Gas Boilers

Kombi*mix*



3 Star Energy
Efficiency Class*

for both central heating
and domestic hot water.



Digital
LCD Display

Central Heating
Knob

Control
Buttons

Domestic Hot
Water Knob



A CLASS HIGH PRODUCTIVITY WITH GAS ADAPTIVE SYSTEM

With its electronic Gas Adaptive System, it can detect gas quality and maintain burning quality. Provides efficiency by using all gas energy. Always operates in high productivity. Can function with both Natural Gas and LPG.



LONGER LIFE WITH MONOTHERMIC COPPER STEEL EXCHANGER

New generation aluminum coated monothermic copper heat exchanger, excellent heat transfer, long life span.



QUIET OPERATING AND LOW HEAT LOSS

Reduces heat loss through its special insulation used on the front and side covers and operates quietly. Works efficiently and silently through its fan modulation.



CONTINUOUS INSTANT HOT WATER WITH PRE-HEAT

Always keeps the plate heat exchanger water hot by its pre-heating feature.



SAVING WITH WIDE RANGE OF MODULATION

Both fixes its capacity accordingly with the requirement and ensures saving through its wide modulation range.



14 DIFFERENT SAFETY SYSTEMS

Both fixes its capacity accordingly with the requirement and ensures saving through its wide modulation range.

41 cm
Width

30
kg

72 cm
Height

28 cm
Depth

kW

24/28



Copper Heat Exchanger

New generation aluminum coated monothermic copper heat exchanger, excellent heat transfer, long life span.

Burner Group

Compatible with stainless steel and gas adaptive system and very resistant.

High Quality Circulation Pump

Provides lower electric consumption and sustainable usage.

B&P Gas Adaptive Board

Combustion performance of the supplied gas is automatically monitored and it is adjusted for full combustion by means of gas adaptive system used in Dizayn Kombi.

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Minimum thermal load	kW	8,0	9,2
Maximum thermal power (80/60)	kW	23,2	27
Minimum thermal power (80/60)	kW	7,8	8,3
Operating temperature interval	°C	20-85	20-85
Maximum operating pressure	bar	3	3
Expansion tank capacity	L	7	7
NOx class		3	3
Pump type		15/50	15/65
Gas category		I2H	I2H
Specifications for Tap Water			
Maximum thermal power	kW	22,3	26,2
Specific water flow (ΔT=30° C)	L/min	10,7	12,5
Minimum water flow	L/min	2	2
Operating temperature interval	°C	10-65	10-65
Maximum operating pressure	bar	8	8
Electrical Specifications			
Operating voltage		220-240 V 50Hz	
Protection class		IPX4D	
Electrical power	W	120	
Dimensional Features			
Dimensions (width*length*height)	mm	413*720*282	413*720*302
Weight (net)	kg	30,2	31,7

Technical Specifications	Unit	Kombimix 24	Kombimix 28
Basic Functions			
Fan Modulation		✓	✓
Adjust for My City (AMC)			
Smart heating		✓	✓
Modulation monitoring in LCD		✓	✓
Turbo tap water			
Exchanger type		Double	Double
Number of Heating NTCs		2	2
Gas adaptive system		✓	✓
Anti-freezing system		✓	✓
Pump anti-blocking system		✓	✓
3 way valve anti-blocking system		✓	✓
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Maximum chimney length	Vertical m	20	20
	Horizontal m	6	6
Chimney diameters	mm	60/100	60/100
Standard length	m	0,8	0,8



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