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## Z24BL/Z30BL Wall Hung Heating Condensing Boiler

**Model: Z24BL/Z30BL**



### Introduction:

Vanward has been working on gas boilers for more than twenty years. We provide a wide variety of gas boilers, and our wall hung heating condensing boiler shares large market national and international for its good quality and high performance. As a manufacturer of residential wall hung gas boiler, we are devoted to supply the best wall hung boiler for you.

### Features:

1. Digital display of heating and water temperature.
2. Wall hung heating condensing boiler uses large LCD screen to display working status.
3. It is with self-detection functions to indicate corresponding security protection code.
4. Control the strength of the fire as per the thermal load needs, so as to realize self control of hot water constant temperature.
5. Ionic fire failure protection function to ensure gas is cut off when fire fails.
6. Heating and circulating hot water adopt the same system, and they can interchange freely.
7. Protection against extreme temperature to prevent boiler getting too hot and damaged.
8. Wall hung heating condensing boiler is with automatic bypass protection function to supplement water when tube gets blocked through the bypass, so as to avoid heating without water.
9. It is with 3bar(1bar=1kgf/cm<sup>2</sup>=0.1MPa) safety valve to prevent overburden for the tube.
10. Micro negative pressure sealing combustion, which will not consume indoor air or pollute indoor air.
11. Fire will die out automatically when the flue gets blocked or there is downdraft, and it will display the security protection code to ensure the boiler is safe.
12. It is with pressure switch which can ensure that the boiler will not ignite when water or water pressure is in shortage.
13. The wall hung heating condensing boiler is with three minutes delay function to prevent damage caused by frequent turn-on, so as to prolong its working life.
14. Water pump will work for one minute when the boiler stops working for 24 hours continually.
15. As a manufacturer of residential wall hung gas boiler, our company adopts electronic pressure sensor to inspect the system water pressure.
16. Wall hung heating condensing boiler can display the thermal load of the boiler.
17. There is room temperature controller connector which can be connected with the matched

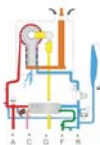
controller.

### Advantages of Wall Hung Heating Condensing Boiler

1. It is with integrated condensing heat exchanger, which is energy-saving and heat thermal reaches 107%.
2. It is with super low noise when working.
3. Different heating modes can interchange due to the smart circuit control system.
4. It is with large screen LCD display.
5. Wall hung heating condensing boiler has twenty safety protection measures.

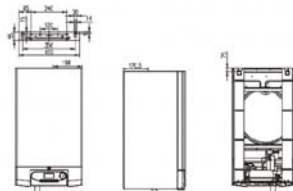
### Technology:

1. Integrated gas- air control system, which enables adequate combustion. It is with low noise and low energy consumption.
2. Integral burning and heat exchanging system saves space and makes the surface temperature lower.
3. High efficiency and energy saving: the wall hung heating condensing boiler exchanges heat forcedly, and makes full use of the latent heat emitted during the condensing process. Heat thermal can reach 107%. It adopts low oxygen combustion technology, which reduces the gas volume.
4. Low carbon emission and environment friendly: Gas and air are mixed fully before combustion, so the coefficient of excess air is between 1.1 and 1.3. Wall hung heating condensing boiler can fully combust with low oxygen content accordingly. Moreover, by using technology of catalyzed combustion, it is efficient to avoid large emission of hazardous material, mainly CO and NOX. CO is below 60ppm and NOX is below 40ppm. The emission of CO is only 1/10 of national standard.



A: Heating water outlet F: Cold water inlet C: Shower water outlet R: Heating water inlet G: Gas inlet

### Diagram:



### Specifications of Wall Hung Heating Condensing Boiler

Model	Pre-mixed Condensing	
	24kw	30kw

Gas Type		LPG/NG	
Rated Gas Pressure	pa	2800(LPG)/2000(NG)	
Rated Heat Input	KW	24	30
Minimum Heat Input	KW	10.5	12.5
Rated Heat Output	KW	23.3	8.8
Minimum Heat Output	KW	8.7	10.5
Efficiency Under Rated Heat Input	%	98	98
Efficiency Under 30% Rated Heat Input	%	107	107
Rated Heat Output	KW	23.3	28.8
Temp. Range Of High Temp. System	℃	30-80	
Temp. Range Of Low Temp. System	℃	30-55	
Maximum Pressure Of Low Temp. System	bar	3(0.3Mpa)	
Expansion Tank Capacity	L	6	8
Preset Pressure Of Expansion Tank	bar	1(0.1Mpa)	
Rated Hot Water Supply	kg/min	13	15
Temp Range Of Shower Water Supply	℃	30-60	
Comfortable Temp. Range Of Water Supply	℃	35-45	
Application Water Pressure	bar	0.2-6(0.02-0.6Mpa)	
The Minimum Starting Flow	L/min	2.1	
The Minimum Closed Flow	L/min	1.8	
Exhaust Type		Forced exhaust and Air supply type	
Water Circulation Type		Airtight force circulation	
Ignition Type		Pulse ignition	
Thermostat Type		Proportional valve automatic constant temp.	
Temp. Display Type		LCD	
Power Supply	V/Hz	220-230/50Hz	
Maximum Input Power	KW	110	
Fuse	A	3.15	
Insulation Grade		1	
Electricity And Water Protection Grade	IP	IP44	
Appearance Dimension: L×W×H	mm	793×450×416	
Gas Input	Inch	G3/4	
Connection for Heating Water Pipes	Inch	G3/4	
Connection for Heating Water Pipes	Inch	G1/2	
Air Input/Exhaust Duct	mm	127/80	
Packing Size	mm	873×533×506	
G.W./N.W.	kg	53/49.8	

NO	PPM	40
Loading Q'ty20'/40'/40'HQ	sets	107/214/246

**As a manufacturer of residential wall hung gas boiler, we are devoted to supply the best wall hung boiler for you.**

**Title:** Wall Hung Heating Condensing Boiler, Manufacturer of Residential Wall Hung Gas Boiler

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