



WNS型一体式冷凝锅炉

WNS INTEGRATED CONDENSING BOILER

产品简介 Product Introduction

在国家倡导环保节能的政策下，永兴依托多年的锅炉研发制造经验，生产出WNS型一体式冷凝锅炉。此锅炉与WNS型燃油燃气锅炉最大的不同在于它的表面配置的有冷凝器。冷凝器的使用，使得锅炉的排烟温度降至60-80℃，并且吸收了烟气中的部分热能，使得锅炉的热效率大大提高，达到了100.9%以上。同时，在能量回收的过程中，大大减少了有害气体的排放，减少了环境污染。此锅炉既节能，又环保，因此，在食品、服装纺织、石油化工以及机械制造等行业得到广泛的应用。

WNS型一体式冷凝锅炉主要由锅炉本体，燃烧器、仪表、连接烟道、冷凝器、水箱、给水泵、分汽缸、除氧器、循环泵、软水器等组成，具有燃烧清洁，排放无污染，操作便捷，出力充足，燃料燃烧充分，热效率高等特点，是目前最为节能、高效、环保的产品，也是目前最为理想的一种加热设备。

Under the national policy of promoting environmental protection and energy conservation, Yongxing relies on years of experience in boiler R&D and manufacturing to produce WNS-type integrated condensing boilers. The most difference of this type boiler with WNS type oil&gas boiler is condenser. The use of the condenser can reduce the exhaust temperature of the boiler which decrease to 60-80 °C. Also it absorbs part of the heat from flue gas, so that the thermal efficiency of the boiler is greatly improved, reaching more than 100.9%. At the same time, it can reduce harmful gases discharge under heat recovery processing, and also reduce environmental pollution. This type boiler not only energy-efficient but also environmentally friendly. They are widely used in food, apparel, textile, petrochemical and machinery manufacturing industries.

WNS integrated condensing boiler is mainly composed of boiler body, burner, instruments, connecting flue, condenser, water tank, feed water pump, steam header, deaerator, circulating pump, water softener, etc. It has following features, such as no pollution, convenient operation, sufficient output, sufficient combustion and high thermal efficiency, and also is the most energy-saving, high-efficiency and environmentally-friendly product. Meanwhile it is the most ideal heating device in recent years.

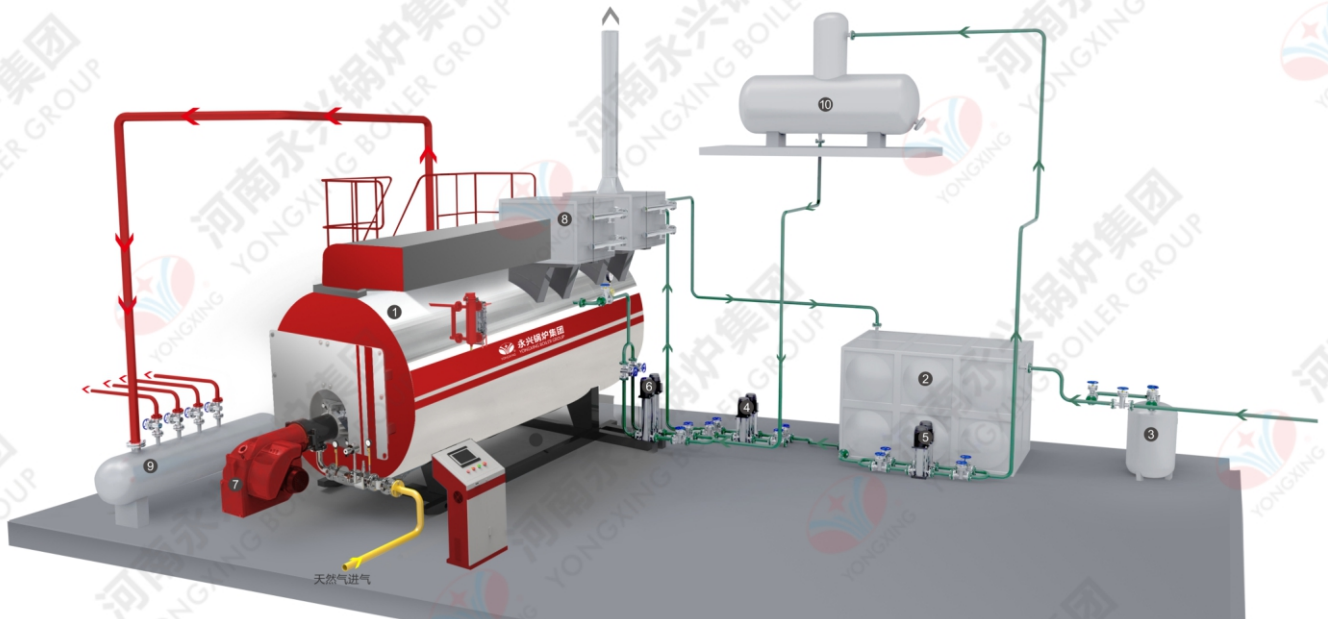
性能特点 Performance Characteristics

- 卧式全湿背结构，一体式设计，减少了占地面积
- 大炉膛、螺纹烟管的设计，增大了炉膛的吸热量，降低了能耗
- 内置各种保护装置，如超温、超压、缺水等，保证了锅炉安全可靠的运行
- 采用螺纹烟管和波形炉胆，加强了传热效果，节省了燃料
- 液晶屏显示工况，方便掌握锅炉及系统的运行状况
- 配有防爆门，泄压后自动回弹，确保锅炉的安全性
- 冷凝余热回收装置可以反复吸收锅炉排出的烟和汽，提高了能源利用率
- 受热面结构设计合理，减小并控制了烟气阻力
- 保护功能齐全，确保锅炉安全高效地运行
- 多台锅炉可以联网使用，可以自动选择运行台数，分配每台锅炉的负荷

- Horizontal full wet back structure, integrated design which can reduce floor space.
- The design of the large furnace and the threaded pipe which increases the heat absorption of the furnace and reduces the energy consumption.
- Inside are various protection devices, such as over-temperature, over-pressure, water shortage, etc., which to ensure the safe and reliable operation of boiler.
- It adopts threaded pipe and corrugated furnace to enhance the heat transfer and save fuel.
- Use LCD screen to present the working conditions, more easier to know the operating status of the boiler.
- Equipped with explosion-proof door, automatically rebound after pressure relief to ensure the safety of the boiler.
- Use condensing waste heat recovery device to repeatedly absorb the smoke and steam which discharged from the boiler, thereby improving energy utilization.
- It can reduce and control smoke resistance by reasonable heating surface.
- Complete protection function to ensure the safe and efficient operation of boiler.
- Multiple boilers can be used in network, and can automatically select related boiler and adjust load.

系统图 System Diagram

— 蒸汽管道 Steam Pipeline — 水管道 Water Pipeline



设备名称 Equipment Name

- | | | | | |
|-----------------------|-----------------|----------------------|------------------------|----------------------------|
| ① 锅炉 Boiler | ② 水箱 Water Tank | ③ 软水器 Water Softener | ④ 循环泵 Circulation Pump | ⑤ 除氧泵 Deoxygenization Pump |
| ⑥ 给水泵 Feed Water Pump | ⑦ 燃烧器 Burner | ⑧ 冷凝器 Condenser | ⑨ 分汽缸 Steam Header | ⑩ 除氧器 Deaerator |

技术参数 Technical Parameters

• 蒸汽锅炉 Steam Boiler

型号规格 Model And Specification Unit	额定蒸发量 Rated Steam Capacity (T/h)	额定工作压力 Rated Working Pressure (MPa)	饱和蒸汽温度 Saturated Steam Temperature (°C)	锅炉热效率 Boiler Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大运输尺寸 Max Transport Dimension(LxWxH) (MM)
WNS0.5-0.7-YQ	0.5	0.7	171	100.9	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, Etc.	3200	2900x1400x1500
WNS1-1.25-YQ	1					4800	3200x1800x2000
WNS2-1.25-YQ	2					7200	3800x1900x2200
WNS3-1.25-YQ	3					10000	4100x2000x2400
WNS4-1.25-YQ	4					12400	4400x2300x2600
WNS6-1.25-YQ	6					16000	5300x2400x2700
WNS8-1.25-YQ	8					21500	6800x2600x3000
WNS10-1.25-YQ	10					26000	6300x2700x3200
WNS12-1.25-YQ	12					31000	6700x2700x3200
WNS15-1.25-YQ	15					40000	8700x3700x3500
WNS20-1.25-YQ	20	48600	8050x3750x3950				

• 承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model And Specification Unit	额定热功率 Rated Heat Power (MW)	额定工作压力 Rated Working Pressure (MPa)	额定出/回水温度 Rated Outlet/Return Temp (°C)	锅炉热效率 Boiler Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大外型尺寸 Max Dimension (MM)
WNS0.35-0.7/95/70-YQ	0.35	0.7	95/70	100.9	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, Etc.	3200	2900x1400x1500
WNS0.7-0.7/95/70-YQ	0.7					4800	3200x1800x2000
WNS1.4-0.7/95/70-YQ	1.4					7200	3800x1900x2200
WNS2.1-1.0/95/70-YQ	2.1					10000	4100x2000x2400
WNS2.8-1.0/95/70-YQ	2.8					12400	4400x2300x2600
WNS3.5-1.0/95/70-YQ	3.5					14900	5300x2400x2700
WNS4.2-1.0/95/70-YQ	4.2					16000	5300x2400x2700
WNS5.6-1.0/95/70-YQ	5.6					21500	6800x2600x3000
WNS7-1.0/95/70-YQ	7					26000	6300x2700x3200
WNS10.5-1.0/95/70-YQ	10.5					40000	8700x3700x3500
WNS14-1.0/95/70-YQ	14	48600	8050x3750x3950				

• 常压热水锅炉 Atmospheric Pressure Hot Water Boiler

型号规格 Model And Specification Unit	额定热功率 Rated Heat Power (MW)	额定工作压力 Rated Working Pressure (MPa)	额定出/回水温度 Rated Outlet/Return Temp (°C)	锅炉热效率 Boiler Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大外型尺寸 Max Dimension (MM)
CWNS0.35-95/70-YQ	0.35	0	85/60 95/70	100.9	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, Etc.	2800	3200x1800x2000
CWNS0.7-95/70-YQ	0.7					4320	3200x1800x2000
CWNS1.4-95/70-YQ	1.4					6300	3800x1900x2200
CWNS2.1-95/70-YQ	2.1					8900	4100x2000x2400
CWNS2.8-95/70-YQ	2.8					11200	4400x2300x2600
CWNS3.5-95/70-YQ	3.5					13200	5300x2400x2700
CWNS4.2-95/70-YQ	4.2					14300	5600x2500x2800
CWNS5.6-95/70-YQ	5.6					19200	6800x2600x3000
CWNS7-95/70-YQ	7					23000	6300x2700x3200
CWNS10.5-95/70-YQ	10.5					35500	8700x3700x3500
CWNS14-95/70-YQ	14	42600	8050x3750x3950				

相关案例 Related Project



2018.09.28 20吨燃气一体冷凝锅炉发往江苏
2018.09.28 20t/h integrated gas fired condensing boiler to Jiangsu



2018.09.21 神华集团6台10吨冷凝蒸汽锅炉
2018.09.21 6 sets of 10t/h condensing steam boilers in Shenhua group



2018.06.08 江苏碧博士纺织品有限公司2吨燃气蒸汽锅炉
2018.06.08 2t/h gas fired steam boiler in Jiangsu Biboshi Textile Co.,Ltd



2016.12 天津宝坻泰富洋服装厂2吨蒸汽锅炉
2016.12 2t/h steam boiler in Tianjin Taifuyang garment factory

聚永兴 创共赢

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📍 太康总部基地：河南省太康县产业集聚区未来路南段西侧
郑州运营中心：河南省郑州市郑东新区绿地中心南塔2612室
Factory: South section of Weilai road, industry cluster district, taikang county, Henan province.
Office: Room 2612, South tower, Greenland center, Zhengdong new district, Zhengzhou city, Henan province.