河南永兴锅炉集团有限公司
HENAN YONGXING BOILER GROUP CO., LTD.

燃油燃气真空热水锅炉

GAS/OIL VACUUM HOT WATER BOILER

产品简介 Product Introduction

真空热水锅炉，它通过预抽真空，使内部形成一个密闭的真空环境，随后在机体内填充热煤水。热媒水通过加热产生负压蒸汽，负压蒸汽凝结产生的热量将换热管内的冷水加热，进而不断的为用户提供热水。在锅炉运行的过程中，炉水只封闭在真空室内，不进、不出、不增、不减，在传热管和热交换器之间进行热量的传递。锅炉具有安装、保养方便、环保节能等特点，在市场上广为流行。

真空热水锅炉和其他普通锅炉一样，下部都是由燃烧室和传热管组成，唯一不同的是，真空热水锅炉的上部为真空汽室，其中插入了U型管或直型管热交换器。它是在负压状态下运行的，绝对安全。同时，它还可以一机多用，可以同一时段为客户提供不同温度、不同用途的热水，满足客户多种需要，减少客户锅炉成本的投入。

Vacuum hot water boiler is to create a closed vacuum environment inside by pre-vacuume, and then filling hot coal water into boiler. It generates negative pressure steam by heating, the heat generated by the condensation of negative pressure steam heats the cold water in the heat exchange tube, thereby continuously providing hot water to the user. During the operation of the boiler, the boiler water is only enclosed in the vacuum chamber, and heat is transferred between the heat transfer tubes and the heat exchanger without any entering, exiting, increasing or decreasing. The boiler has the characteristics of convenient installation, maintenance, environmental protection and energy saving, and is widely popular in the market.

The vacuum hot water boiler is the same with other common boilers, the lower part is composed of a combustion chamber and heat transfer tube. The only difference is that the upper part of the vacuum hot water boiler is vacuum steam chamber, and inside is one U-tube or a straight tube type heat exchange. It is operated under negative pressure and so it is absolutely safe. At the same time, it can also be used in many ways. It can provide customers with different temperatures and different uses of hot water at the same time, so it meets various needs of customers and reduce the cost of boiler.

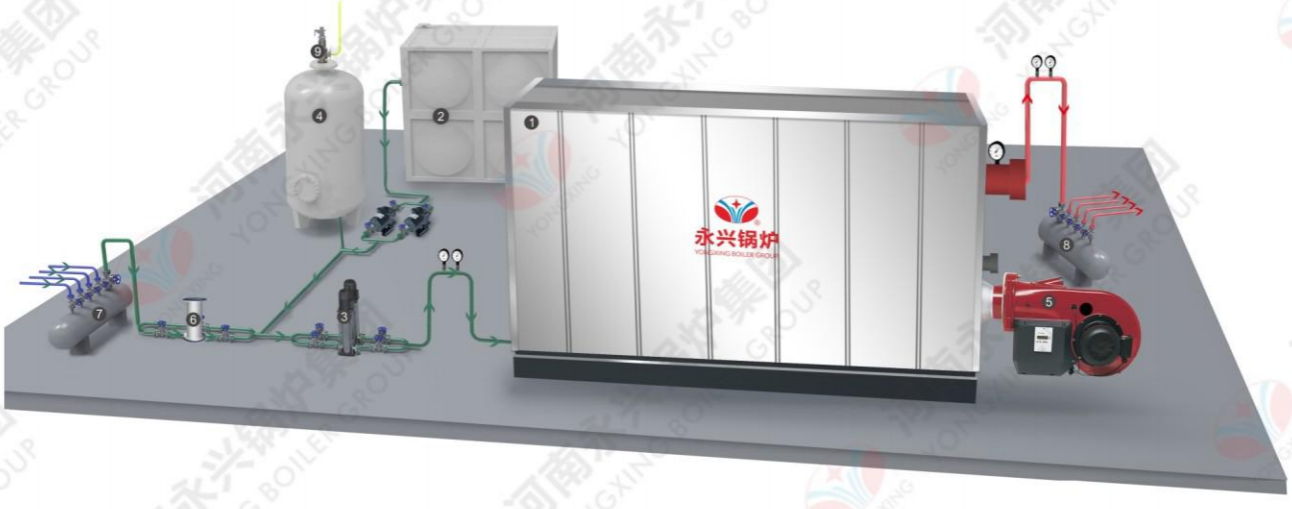
性能特点 Performance Characteristics

- 独特的脉冲水位检测电路结构，性能可靠
- 换热器采用优质的不锈钢制作，耐腐蚀
- 锅炉的用途多，一个锅炉可以配置多个换热器，可以供应不同温度、不同用途的热水
- 真空热水锅炉结构紧凑，体积小，节约占地面积
- 热煤水在封闭的空间进行循环，损耗小
- 控制部分选用先进控制器，可以自动检测炉水温度，出水温度
- 真空热水锅炉采用三回程结构和独特的湿背回燃室结构，摒弃了传统耐火隔热材料，降低了机组前烟室温度
- 热煤水是经软化、除氧、除盐等特殊处理的高纯水，因此，真空热水锅炉内部不结垢，不腐蚀，增加了使用寿命

- Unique pulse water level detection with reliable performance.
- The heat exchanger is preservative and made of high quality stainless steel.
- The boiler has many functions. One boiler can be equipped with multiple heat exchangers, which can supply hot water under different temperatures and different uses.
- The vacuum hot water boiler has compact structure, small volume and saves floor space.
- Hot water is circulated in a closed space with low loss.
- The control part uses the advanced controller to automatically detect the the water temperature from furnace and outlet.
- Vacuum hot water boiler adopts three-return structure and a unique wet back combustion chamber structure, which eliminates the traditional refractory insulation material and reduces the temperature of the front chamber.
- Hot water is high-purity water specially treated by softening, deoxidation, desalting, etc. Therefore, the inside of the vacuum hot water boiler does not scale and corrode, it increases the service life.

系统图 System Diagram

蒸汽管道 Steam Pipeline　水管道 Water Pipeline



设备名称 Device Name

1. 锅炉 Boiler
2. 水箱 Water Tank
3. 软水器 Water Softener
4. 膨胀器 Expander
5. 燃烧器 Burner
6. 除垢器 Scale-Borer
7. 回水缸 Water Return Header
8. 分水缸 Water Separating Header
9. 安全阀 Safety Valve

技术参数 Technical Parameters

• ZZJ型燃油燃气真空热水锅炉 ZZJ Gas/Oil Vacuum Hot Water Boiler

型号规格 Model And Specification Unit	额定功率 Rated Power (KW)	调节方式 Adjust Way	燃烧方式 Combustion Way	设计热效率 Design 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)
ZZJ30	350	全自动 两段火调节 Fully automatic regulation with two-stages fire	微正压 室燃 Micro-positive pressure chamber combustion	95.5	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, Etc.	2900	3600X1150X1900
ZZJ60	700					4000	4100X1400X2200
ZZJ90	1050					5300	4500X1500X2300
ZZJ120	1400					6400	4800X1600X2400
ZZJ180	2100					7600	5600X1700X2500
ZZJ240	2800					11000	6100X1850X2700

• ZLJ型燃油燃气真空热水锅炉 ZLJ Gas/Oil Vacuum Hot Water Boiler

型号规格 Model And Specification Unit	额定功率 Rated Power (KW)	调节方式 Adjust Way	燃烧方式 Combustion Way	设计热效率 Design 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)
ZLJ300	3500	全自动 比例调节 Full-Automatic Ratio Adjustment	微正压 室燃 Micro-Positive Pressure Chamber Combustion	95.5	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, Etc.	14000	6900X1900X2850
ZLJ360	4200					24000	7300X2000X2950
ZLJ480	5600					30000	8000X2150X3050
ZLJ600	7000					35000	8450X2300X3250
ZLJ720	8400					44000	8750X2400X3350
ZLJ900	10500					51000	9150X2400X3350
ZLJ1200	14000					62000	9950X2800X3800

相关案例 Related Project

2017.04 天津科林自行车厂1.05MW真空热水锅炉

2017.04 1.05MW/h vacuum hot water boiler in Tianjin Kelin Bicycle Co.,Ltd

2017.03 西安唐城医院2台2.8MW真空热水锅炉

2017.03 2 sets of 2.8MW/h vacuum hot water boilers in Xi'an Tangcheng hospital

2016.01 新疆乌鲁木齐69010部队2100kw真空热水锅炉

2016.01 2100kw/h vacuum hot water boiler in Xinjiang 69010 troop

2015.12 山东谛爱生物技术股份有限公司2台700kw真空热水锅炉

2015.12 2 sets of 700kw/h vacuum hot water boilers in Shandong Diai Biotechnology Co.,Ltd

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.