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

YLW型生物质导热油炉

YLW BIOMASS THERMAL OIL BOILER

产品简介 Product Introduction

YLW型生物质导热油炉是永兴锅炉研发的一款强制循环链条炉排锅炉。它是以环保能源-生物质为燃料，以导热油为介质的一种新型供热设备，有上部本体和下部链条炉排组成，本体前部为炉膛辐射受热面，中部为蛇形管束组成的受热面，后部为对流面，运行过程中，锅炉可以根据实际要求进行精确的温度调节，能够满足客户不同的要求。更好的是锅炉具有完善的运行控制系统和安全监测装置，使得锅炉操作起来更加简单、方便。更好的是此锅炉的各类排放指标均低于国家《锅炉大气污染物排放标准》规定，而且运行成本与燃煤相比，节省5%-10%，因此，是替代燃煤锅炉的最佳产品。

YLW型生物质导热油炉在运行的过程中不会产生腐蚀和污垢，不会产生废气，再加上其本身具有的传热性能佳、后期维护方便快捷、热效率高等特点，因此，成为了一款既符合政策要求，也迎合客户所需的新型锅炉。

YLW type biomass heat conduction oil furnace is a forced circulation chain grate boiler developed by Yongxing boiler Group. It is green energy - biomass fuel, heat conduction oil as medium, a new type of heating equipment consisted of upper body and lower chain grate, at the front of upper body is chamber radiation heating surface, the middle is the serpentine tube bundle heating surface, the rear is convection heating surface. In the process of running, the boiler can be precise temperature adjustment according to actual requirement, can satisfy the different requirements of customers.It is better that the boiler has perfect operation control system and safety monitoring device, which makes the operation of the boiler more simple and convenient.Better that, the emission indexes of the boilers are all lower than the national standards for the discharge of atmospheric pollutants of boilers, and the operating cost is 5%-10% lower than that of coal. Therefore, it is the best product to replace the coal-fired boilers.

YLW type biomass heat conducting oil boiler will not produce corrosion or dirt or waste gas in the process of operation. In addition, it has the characteristics of good heat transfer performance, convenient and quick maintenance and high thermal efficiency. Therefore, it has become not only a new type of boiler that meets the policy requirements, but also meet the needs of customers.

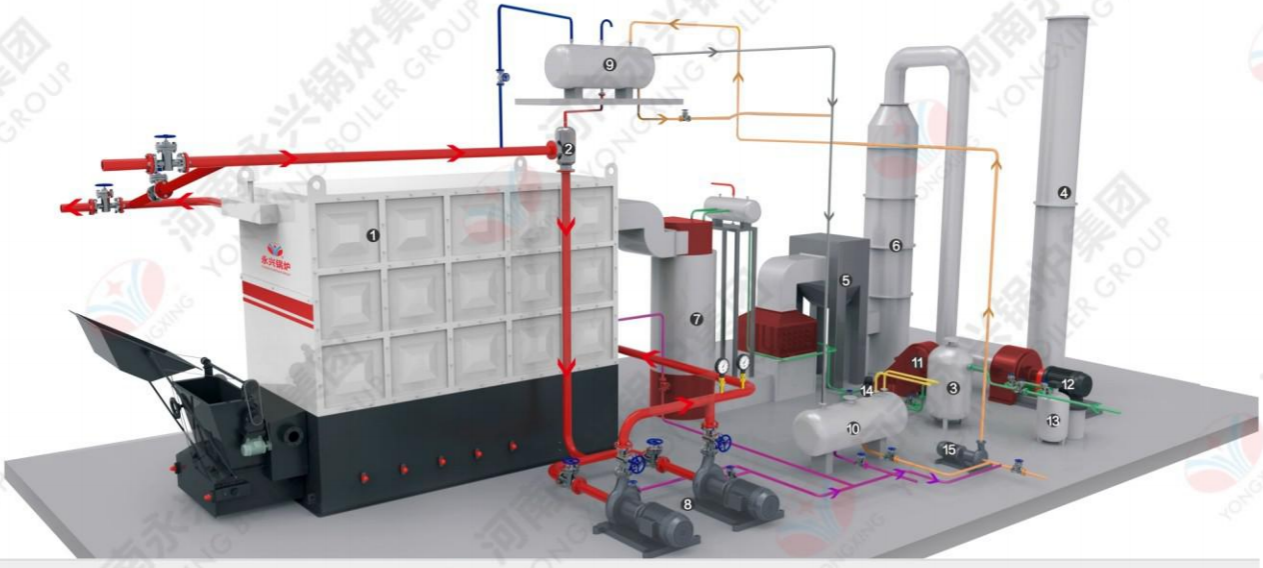
性能特点 Performance Characteristics

- 锅炉循环供热前有严格控制工作介质内空气、水分及其他低挥发物含量的技术措施
- 结构紧凑，大大节约了锅炉房的占地面积
- 锅炉本体和链条炉排可以在工地现场组合，既减少了运输成本，又缩短了安装周期
- 炉拱设计合理，使得烟气在炉膛内停留的时间延长，使得燃烧更加充分
- 可在较低的运行压力下获得较高的工作温度
- 各种负荷下，热效率均能保持在最佳水平
- 以木屑、农林废弃物等为燃料，变废为宝
- 炉膛有双密排盘管组成，降低了管子表面的热负荷，提高了安全性
- 转向烟室布置的有受热面，避免了高温烟气直接冲刷隔墙，致使隔墙脱落而产生的烟气短路现象
- 介质流程合理，由低处流向高处，使得运行产生的气体很难留在炉内，可以方便的排出系统

- There are technical measures for strict control of air, water and other low volatile content in the working medium before boiler circulation heating.
- Compact structure greatly saves the space of boiler room.
- Boiler body and chain grate can be combined on site, which not only reduces the transportation cost, but also shortens the installation cycle.
- Reasonable design of the furnace arch makes the time for the flue gas to stay in the furnace longer and makes the combustion more sufficient.
- Higher operating temperature can be obtained under lower operating pressure.
- Thermal efficiency can all be kept at the best level under various loads.
- Take wood chips, agricultural and forestry wastes as fuel and turn them into treasures.
- The furnace is composed of double close coils, which reduces the heat load on the surface of the pipe and improves the safety.
- There is heating surface arranged for the smoke chamber, which avoids the phenomenon of smoke short circuit caused by the high-temperature smoke directly washing the partition wall, resulting in the separation wall falling off.
- The medium process is reasonable and flows from the low to the high position, making it difficult for the gas generated by operation to stay in the furnace and convenient to discharge the system.

系统图 System Diagram

主管道 Main Pipeline　冷水管道 Cold Water Pipeline　排气道 Exhaust Pipeline　注油管 Oil Feeding Pipe　排污管 Blow-Down Pipe



设备名称 Equipment Name

❶ 锅炉 Boiler	❷ 油气分离器 Oil Gas Separator	❸ 储水罐 Water Storage Tank	❹ 烟囱 Chimney
❺ 旋风除尘器 Cyclone Dust Remover	❻ 水膜除尘器 Water Membrane Dust Remover	❼ 余热炉 Waste Heat Furnace	❽ 循环泵 Circulation Pump
❾ 高位槽 High Level Oil Tank	❿ 储油罐 Oil Storage Tank	⓫ 鼓风机 Forced Draught Fan	⓬ 引风机 Induced Draught Fan
⓭ 软水器 Water Softener	⓮ 给水泵 Feed Water Pump	⓯ 注油泵 Oil Feeding Pump	

技术参数 Technical Parameters

• YLW型生物质导热油炉 YLW Biomass Thermal Oil Boiler

型号 规格 Model And Specification Unit	额定 热功率 Rated Heat Power ($x10^4$kcal/h)	额定 工作压力 Rated Working Pressure (MPa)	最高 工作温度 Max Working Temperature (℃)	设计 效率 Thermal Efficiency (%)	介质 循环量 Medium Circulation Rate (M^3/h)	受热 面积 Heating Area (M^2)	设计 燃料 Design Fuel	炉内 介质容量 Medium Volume in Furnace (M^3)	最大 运输重量 Max Transport Weight (KG)	最大 运输尺寸 Max Transport Dimension(LxWxH) (MM)
YLW-1400T	120	1.1	320	83	80	104	生物质燃料 Biomass Fuel	1.2	18000	4600x2300x3200
YLW-1900T	160				115	125		1.6	20000	4670x2320x2880
YLW-2100T	180				155	145		1.9	25000	4700x2680x3300
YLW-2400T	200				188	163		2.4	26500	4900x2700x3300
YLW-3000T	250				200	188		2.9	34000	5900x2700x3550
YLW-3500T	300				200	216		3.3	38000	7500x2900x1700
YLW-4200T	360				225	280		3.5	40000	7700x2900x2200
YLW-5000T	400				260	310		3.63	45000	8000x3000x2500
YLW-6000T	500				300	389		3.9	60000	9000x3100x3000
YLW-7000T	600				340	469		4.2	70000	10000x3200x3300

相关案例 Related Project

2016.07 河北华腾油脂化工200万大卡导热油锅炉

2016.07 2mkcal/h thermal oil boiler in Hebei Huateng oils chemical co.,ltd

2015.04 新疆惠农棉业300万大卡导热油锅炉

2015.04 3mkcal/h thermal oil boiler in Xinjiang Huinong cotton industry

2015.03 云南河口锦达商贸有限公司360万大卡生物质导热油炉

2015.03 3.6mkcal/h biomass thermal oil boiler in Yunnan Hekou

2014.08 山东临沂金轮热压机械160万大卡导热油锅炉

2014.08 1.6mkcal/h thermal oil boiler in Linyi Jinlun Hot Press Machinery Co.,Ltd

聚永兴 创共赢

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