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

YGL型生物质导热油炉

YGL BIOMASS THERMAL OIL BOILER

产品简介 Product Introduction

YGL型生物质导热油炉，它是以生物质颗粒为燃料，以导热油为介质，利用循环油泵强制导热油进行液相循环，将热能传给用热设备后再返回加热炉重新加热的一种强制循环立式生物质锅炉，是一种理想的供热设备。它采用三回程盘管设计，受热面充足，膨胀充分吸收，实现了低压高温供热。它还可以增加节能器，使锅炉运起来更加节能，可以更加高效、节能的服务于各行各业。

永兴锅炉生产的YGL型生物质导热油炉具有低压、高温的工作特性，更好的是供热温度可达液相340℃，因此，凡是需要均匀加热且不允许火焰直接加热、加热温度在150-380℃的各种生产场合都可以使用。更好的是锅炉具有热利用率高、传热性能佳、运行安全可靠、保护功能完善、操作维护方便等优势，具有其他设备无可比拟的优越性，因此，不仅广泛应用于各行各业，而且销往全球130多个国家和地区。

YGL type biomass heat conduction oil boiler is a kind of forced circulation vertical biomass boiler that takes biomass particles as fuel and heat conducting oil as medium, using circulation oil pump to force the circulating oil to conduct the liquid phase circulation, and transfers the heat energy to the heating equipment and returns to the heating furnace for reheating. It is an ideal heating equipment.It adopts three-return coil design with sufficient heating surface and expansion and absorption, realizing low-pressure and high-temperature heating.It can also be added energy saving device, making boiler operation more energy saving, which can be more efficient and energy saving used in all kinds of industries.

YGL biomass thermal oil boiler produced by Yongxing boiler Group is with low pressure, high temperature performance, better heating temperature up to 340 □ in liquid phase, therefore, which requires uniform heating and does not allow direct flame heating, all kinds of production situation of heating temperature 150-380 ℃ can be used. Better that, boilers have advantages such as high heat utilization rate, good heat transfer performance, safe and reliable operation, perfect protection function and convenient operation and maintenance, etc., which have unparalleled advantages to other equipment. Therefore, they are not only widely used in all industries, but also sold to more than 130 countries and regions around the world.

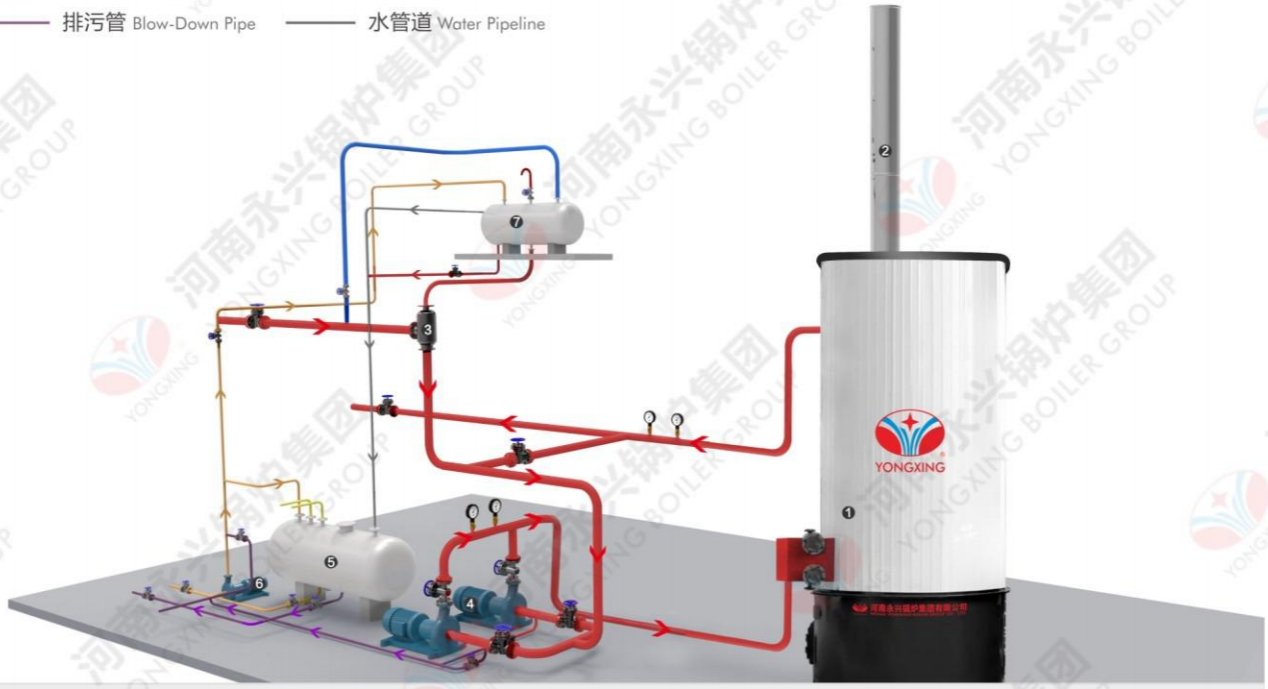
性能特点 Performance Characteristics

- 以生物质颗粒为燃料，变废为宝，节能减排，符合现在的政策要求
- YGL型生物质导热油炉为封闭循环供热，与大气相通，延长了使用寿命
- 在燃烧室内，燃料为绝热燃烧，着火更容易，燃烧更充分，提高了热效率
- 锅炉运行过程中只承受泵压，而且导热油也没有爆炸的危险
- 液相循环供热，无冷凝排放热损失，供热系统热效率高
- 锅炉的炉顶布置了密排盘管，避免了炉顶烧坏的现象
- 锅炉调节方便，供热均匀，能够满足精确的工艺温度
- 为了应对工作介质温度升降对体积的变化，我们在系统内添加了补偿技术措施
- 安装时，只要把上部本体和下部燃烧室合拢就可以，非常的简单方便，缩短了安装周期
- 受热面由内外密排的圆盘管构成，降低了管子表面的热负荷，使导热油使用更安全

- Take biomass particles as fuel, turn waste into treasures, and save energy and reduce emissions, meeting the current policy requirements.
- YGL type biomass heat conduction oil boiler is closed circulation heating, connected with the atmosphere, which extends the service life.
- In the combustion chamber, the fuel is adiabatic combustion, which makes it easier to catch fire and more sufficient combustion, thus improving the thermal efficiency.
- The boiler only bears pump pressure during operation, and there is no risk of explosion of heat conducting oil.
- Liquid phase circulation heating without heat loss caused by condensation, and high thermal efficiency of heating system.
- The furnace top of the boiler is equipped with dense coils to avoid the phenomenon of burning on the furnace top.
- The boiler is easy to adjust and the heating is even, which can meet the accurate process temperature.
- In order to cope with the volume change of temperature rising and falling of working medium, we added compensation technical measures in the system.
- During installation, as long as the upper body and lower combustion chamber are closed together, it is very simple and convenient, and the installation cycle is shortened.
- The heating surface is composed of inner and outer densely packed coil, which reduces the heat load on the pipe surface and makes the heat conducting oil safer to use.

系统图 System Diagram

主管道 Main Pipe　天然气管道 Natural Gas Pipeline　排气道 Exhaust Pipeline　注油管 Oil Feeding Pipe
排污管 Blow-Down Pipe　水管道 Water Pipeline



设备名称 Equipment Name

1. 锅炉 Boiler
2. 烟囱 Chimney
3. 油气分离器 Oil Gas Separator
4. 循环泵 Circulating Pump
5. 储油罐 Oil Storage Tank
6. 注油泵 Oil Feeding Pump
7. 高位槽 High Level Oil Tank

技术参数 Technical Parameters

• YGL型生物质导热油炉 YGL 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)
YGL-120T	10	0.7/1.0	290/310	83	12.5	7.3	生物质燃料 Biomass Fuel	0.06	3000	840x1608
YGL-240T	20				20	16.3		0.19	3300	1250x2080
YGL-350T	30				30	22.4		0.26	3600	1350x2050
YGL-500T	40				40	30.8		0.37	4000	1450x2300
YGL-700T	60				60	44		0.5	4500	1750x2680
YGL-1000T	80				80	63.2		0.7	5100	1750x2990
YGL-1200T	100				100	71		0.8	5400	2250x3030
YGL-1400T	120				140	87.6		1.05	6000	2250x3140

相关案例 Related Project

2017.12 黑龙江亚特木材干燥设备厂40万大卡导热油锅炉

2017.12 400000kcal/h thermal oil boiler in Heilongjiang Yate wood drying equipment factory

2016.10 辽宁红山化工厂60万大卡导热油锅炉

2016.10 600000kcal/h thermal oil boiler in Liangning Hongshan chemical plant

2015.04 新疆润鼎120万大卡生物质导热油炉

2015.04 1.2mkcal/h biomass thermal oil boiler in Xinjiang Runding

2013.12 江苏瑶田园艺40万大卡导热油锅炉

2013.12 400000kcal/h thermal oil boiler in Jiangsu Yaotian Gardening Co.,Ltd

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