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

# YY(Q)W型燃油燃气导热油炉

YY(Q)W GAS/OIL FIRED THERMAL OIL BOILER

## 产品简介 Product Introduction

YY(Q)W型燃油燃气导热油炉是一种新型的供热设备，以油或气做燃料，以导热油为传导介质，利用循环油泵，强制导热油进行液相循环，将热能输送给用热设备后再返回加热炉重新加热，具有低温、高压的工作特性。另外，它还可以根据客户要求，同时输出两种或更多不同温度的导热油，因此，被广泛的应用于石油、化工、纺织、印染、塑料、食品等行业，并得到广大客户的一致信赖与认可。

YY(Q)W型燃油燃气导热油炉采用卧式三回程结构，受热面主要由内盘管组成的辐射受热面和中、外盘管与内盘管组成的对流受热面组成，结构非常紧凑。燃料在燃烧室内燃烧并放热，受热面吸收大部分热量后，烟气进入对流受热面并进行换热，最后由引风机将烟气送至烟囱直至排入大气。此锅炉的系统利用率高，运行维修方便，控制系统完善，而且节能、环保、安全，是目前理想供热设备的首选。

YY(Q)W fuel gas and oil heat-conducting oil boiler is a new type of heating equipment, which uses oil or gas as fuel and heat conducting oil as medium. It uses circulating oil pump and forced heat conducting oil to conduct liquid phase circulation. The heat energy is transported to the heating equipment and then return to the heating furnace for reheating, with working features of lower temperature and high pressure.In addition, it can also discharge two or more heat conducting oils at different temperatures according to customer requirements. Therefore, it is widely used in petroleum, chemical industry, textile, printing and dyeing, plastics, food and other industries, and has been unanimously trusted and recognized by customers.

YY(Q)W fuel gas and oil heat-conducting oil boiler adopts horizontal three-way structure. The heating surface is mainly composed of the radiation heating surface consisted of the inner coil pipes and the convection heating surface consisted of the middle and outer coil pipes and the inner coil pipes. The structure is very compact.The fuel is burned in the combustion chamber and exothermic. After the heating surface absorbs most of the heat, the smoke enters the convection heating surface to exchange heat. Finally, the smoke is sent to the chimney by the induced draught fan until it is discharged into the atmosphere.The boiler has high system utilization, convenient operation and maintenance, perfect control system, energy saving, environmental protection and safety, is the first choice for present ideal heating supply equipment.

## 性能特点 Performance Characteristics

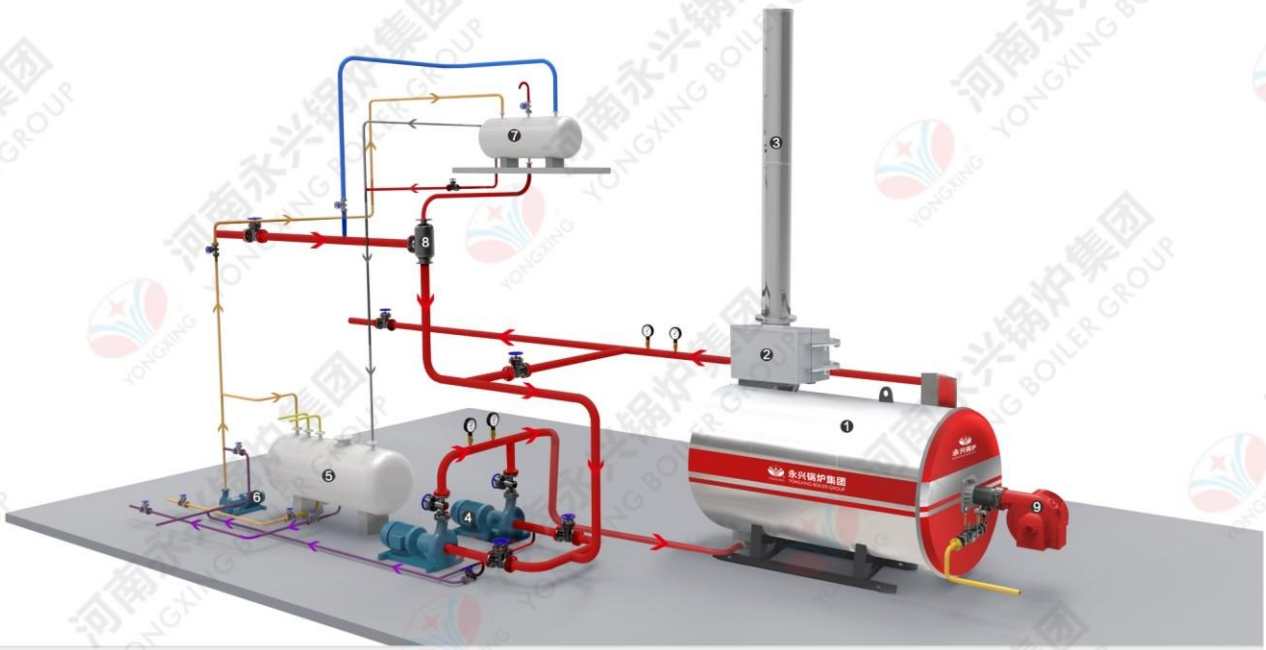
- 该锅炉采用先进的控制系统对介质进行控制工作，热效率高，维修方便
- 锅炉结构紧凑，节约了占地面积
- 集自动检测、控制、连锁报警提示于一体，锅炉运行无需值守，节省了人力
- 炉膛尺寸与燃烧的火焰相匹配，辐射换热率高
- 加热系统简单，不需要水处理设备，减少了投资
- 采用盘管结构，受热面充足，热效率高
- 安装方便，只要本体和燃烧室合拢即可
- 锅炉尾部设置的有空气预热器，大大提高了锅炉的效率
- 供热高达300℃以上，一般工作压力在1MPa以下，使得锅炉运行安全可靠
- 辐射盘管的直径、长度与配型燃烧器的火焰相适应，保证了盘管的可靠工作和充分冷却

- The boiler adopts advanced control system to control the medium with high thermal efficiency and convenient maintenance.
- The boiler has a compact structure, saving the floor space.
- Integrated with automatic detection, control and linkage alarm, the operation of the boiler is not on duty, saving manpower.
- The furnace size is matched with the flame of combustion, and the radiation heat transfer rate is high.
- The heating system is simple and does not require water treatment equipment, which reduces the investment.
- With coil structure, sufficient heating surface and high thermal efficiency.
- Easy installation, as long as the body and combustion chamber are closed.
- Air preheater is installed at the end of the boiler, which greatly improves the efficiency of the boiler.
- Heating up to 300 ℃ above , the general working pressure under 1 mpa, making the boiler run safety and reliability.
- The diameter and length of the radiant coil are adapted to the flame of the matching burner to ensure the reliable operation and sufficient cooling of the coil.

## 系统图 System Diagram

主管道 Main Pipeline　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

❶ 锅炉 Boiler　❷ 冷凝器 Condenser　❸ 烟囱 Chimney　❹ 循环泵 Circulating Pump　❺ 储油罐 Oil Storage Tank

❻ 注油泵 Oil Feeding Pump　❼ 高位槽 High Level Oil Tank　❽ 油气分离器 Oil Gas Separator　❾ 燃烧器 Burner

## 技术参数 Technical Parameters

- YY(Q)W型燃油燃气导热油炉 YY(Q)W Gas/Oil Fired Thermal Oil Boiler

| 型号<br>规格<br>Model And Specification<br>Unit | 额定<br>热功率<br>Rated Heat Power<br>($x10^4$kcal/h) | 额定<br>工作压力<br>Rated Working Pressure<br>(MPa) | 最高<br>工作温度<br>Max Working Temperature<br>(℃) | 设计<br>效率<br>Designed Efficiency<br>(%) | 介质<br>循环量<br>Medium Circulation Rate<br>($M^3$/h) | 受热<br>面积<br>Heating Area<br>($M^2$) | 设计<br>燃料<br>Design Fuel | 炉内<br>介质容量<br>Medium Volume in Furnace<br>($M^3$) | 最大<br>运输重量<br>Max Transport Weight<br>(KG) | 最大<br>运输尺寸<br>Max Transport Dimension(LxWxH)<br>(MM) |
|---|---|---|---|---|---|---|---|---|---|---|
| YY(Q)W-240-Y(Q) | 20 | 0.8/1.0 | 300/320 | 94 | 16.6 | 19 | 油/气<br>Oil/Gas | 0.12 | 2110 | 1800x1100x2200 |
| YY(Q)W-350-Y(Q) | 30 | | | | 28.1 | 23 | | 0.25 | 2580 | 2100x1400x2450 |
| YY(Q)W-500-Y(Q) | 40 | | | | 32.5 | 35 | | 0.31 | 3141 | 2710x1540x2230 |
| YY(Q)W-700-Y(Q) | 60 | | | | 45 | 39 | | 0.36 | 4053 | 3130x1540x2230 |
| YY(Q)W-1000-Y(Q) | 80 | | | | 55 | 45 | | 0.49 | 4382 | 3200x1800x2210 |
| YY(Q)W-1200-Y(Q) | 100 | | | | 64 | 56 | | 0.61 | 5209 | 3400x2150x2200 |
| YY(Q)W-1400-Y(Q) | 120 | | | | 77 | 104 | | 1.05 | 6400 | 4605x2070x2670 |
| YY(Q)W-1900-Y(Q) | 160 | | | | 82 | 109 | | 1.4 | 9000 | 4490x1975x2600 |
| YY(Q)W-2100-Y(Q) | 180 | | | | 108 | 118 | | 1.6 | 9156 | 4950x2000x2700 |
| YY(Q)W-2400-Y(Q) | 200 | | | | 128 | 129 | | 1.8 | 10000 | 5300x2080x2750 |
| YY(Q)W-3000-Y(Q) | 250 | | | | 161 | 210 | | 2.2 | 13000 | 5600x2170x2800 |
| YY(Q)W-3500-Y(Q) | 300 | | | | 225 | 244 | | 2.75 | 14000 | 5800x2310x2850 |
| YY(Q)W-4200-Y(Q) | 360 | | | | 256 | 280 | | 2.92 | 15000 | 6010x2800x2750 |
| YY(Q)W-5000-Y(Q) | 400 | | | | 290 | 310 | | 3.05 | 16600 | 6600x2900x2860 |
| YY(Q)W-6000-Y(Q) | 500 | | | | 355 | 389 | | 3.33 | 21550 | 7400x3100x3000 |
| YY(Q)W-7000-Y(Q) | 600 | | | | 408 | 469 | | 3.69 | 28400 | 8000x3400x3150 |

## 相关案例 Related Project

2016.10 浙江温州大和人造革厂80万大卡导热油锅炉

2016.10 0.8mkcal/h thermal oil boiler in Wenzhou Dahe artificial leather factory

2016.10 广西南宁昌洲天然药业10万大卡导热油锅炉

2016.10 0.1mkcal/h thermal oil boiler in Nanning Changhao Natural Pharmaceutical co.Ltd

2015.04 广东广州长大公路工程160万大卡导热油锅炉

2015.04 1.6mkcal/h thermal oil boiler in Canton Changda Road Engineering Co.,Ltd

2015.03 河南南阳盛璟机电设备厂180万大卡导热油炉

2015.03 1.8mkcal/h thermal oil boilers in Henan Nanyang

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