AIX

艾克斯锅炉



AIX BOILER E-CATALOG

PRODUCT SELECTION GUIDE

产品电子画册

公司名称：河南艾克斯锅炉有限公司
Company: Henan Aix Boiler Co., Ltd.
Address: China No. 118 Industrial Agglomeration Zone, Taikang County, Henan Province

Company Profile

AIX BOILER
HENAN AIX BOILER CO., LTD
河南艾克斯锅炉有限公司

艾克斯（AIX）为河南世杰工业设备有限公司（Henan Shijie Industrial Equipment Co., Ltd）旗下品牌。公司成立于 2019 年 1 月 7 日注册资本 3500 万，国家企业信用代码：91411627MA47YRXXX9，公司主要从事中高端锅炉及压力容器、工业设备的研发制造、热能技术培训和进出口贸易。

总部坐落于有“中国锅炉之乡”美誉的河南太康。10 年的研发历程，沉淀了成熟的产品及创新经验丰富的中外联合技术团队。公司拥有 60 多项发明及新型专利技术，研发能力居同行业前列。公司被评为国家高新技术企业、行业绿色工厂、行业电热技术实验室，行业质量标杆企业、中国投标企业信用推荐单位、信用中国诚信单位、锅炉技术创新单位等荣誉。艾克斯锅炉产品远销欧美、非洲、东南亚等 80 多个国家和地区（出口海关备案编码：4101960MGB），艾克斯借助太康锅炉厚重的技术底蕴，迅速成为行业内中高端锅炉研发及生产机构，艾克斯（AIX）代表着世杰工业设备有限公司尖端技术品牌。



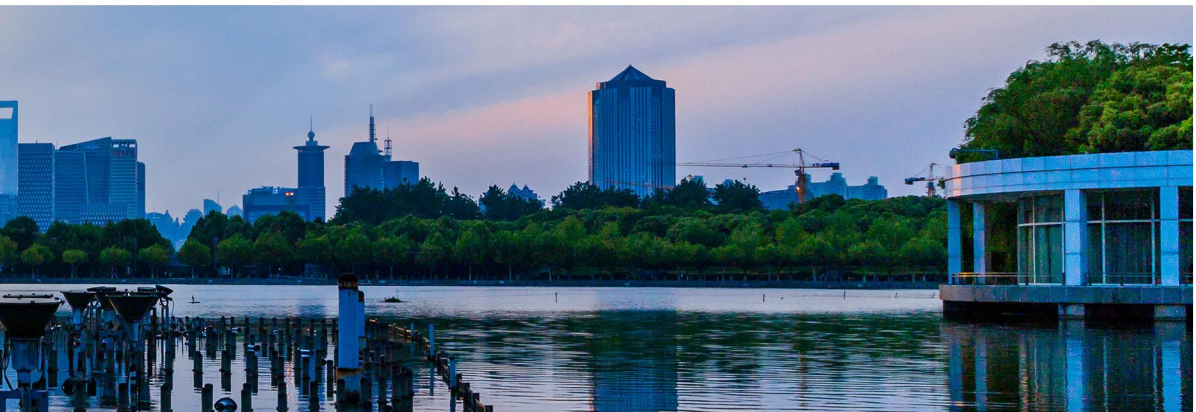






Aix Boiler Company was established on January 7, 2019 with a registered capital of 35 million yuan and a national enterprise credit code of 91411627MA47YRXXX9. The company mainly engages in the research and development, manufacturing, thermal energy technology training, and import and export trade of mid to high end boilers, pressure vessels, and industrial equipment.

The headquarters is located in Taikang County, Henan Province, China. Over the course of 10 years of research and development, we have accumulated mature products and an experienced Sino foreign joint technical team. The company has over 60 inventions and new patented technologies, and its research and development capabilities are among the top in the industry. The company has been awarded honors such as National High tech Enterprise, Industry Green Factory, Industry Electric Heating Technology Laboratory, Industry Quality Benchmark Enterprise, Chinese Bidding Enterprise Credit Recommendation Unit, Credit China Integrity Unit, Boiler Technology Innovation Unit, etc. Aix Boiler products are exported to more than 80 countries and regions in Europe, America, Africa, Southeast Asia, etc. (export customs filing code: 4101960MGB). With the strong technical foundation of Taikang Boiler, Aix has quickly become a mid to high end boiler research and production institution in the industry.



产品分类
Product classification



电加热锅炉
Electrically heated boiler

- 电加热蒸汽锅炉
  Electric heating steam boiler
- 电加热热水锅炉
  Electric heating hot water boiler
- 电加热导热油锅炉
  Electric heating heat transfer oil boiler
- 电加热热风锅炉
  Electric heating hot air boiler



燃油气锅炉
Oil and gas boilers

- 燃油 / 气蒸汽锅炉
  Natural gas (oil) steam boiler
- 燃油 / 气热水锅炉
  Natural gas (oil) hot water boiler
- 燃油 / 气导热油锅炉
  Natural gas (oil) thermal oil boiler
- 燃油 / 气热风锅炉
  Natural gas/oil and gas hot air boiler



燃煤 / 生物质锅炉
Coal fired/biomass boilers

- 燃煤 / 生物质蒸汽锅炉
  Coal fired/biomass steam boiler
- 燃煤 / 生物质热水锅炉
  Coal fired/biomass hot water boiler
- 燃煤 / 生物质导热油锅炉
  Coal fired/biomass thermal oil boiler
- 燃煤 / 生物质热风锅炉
  Coal fired/biomass hot air boiler



工业容器设备
Industrial equipment

- 反应釜设备
  Reactor equipment
- 灭菌罐设备
  Sterilization tank equipment
- 液体 \ 气体储罐设备
  Liquid/gas storage tank equipment
- 搅拌罐设备
  Mixing tank equipment

运用领域
Application Fields



蒸汽锅炉
STEAM BOILER

- 化工行业 Chemical industry
- 石油行业 Petrochemical industry
- 食品行业 Food industry
- 饮料行业 Beverage Industry
- 制药行业 Pharmaceutical industry
- 生物技术 Biotechnology industry
- 纸浆与造纸 Pulp and paper industry
- 纺织行业 Textile industry
- 能源发电 Energy generation
- 木材加工 Wood processing industry
- 酿酒行业 Brewing industry
- 橡胶硫化 Rubber vulcanization
- 蒸汽动力 Steam power
- 科研实验 Scientific research experiment
- 矿井加热 Mine heating
- 污水废液处理 Sewage treatment
- 蒸汽换热 Steam heat exchange
- 农牧养殖 Breeding heating
- 灭菌消毒 Steam Sterilization



导热油锅炉
HEAT TRANSFER OIL BOILER

- 反应釜加热 Reactor heating
- 蒸馏提纯 Distilling
- 橡胶硫化 Rubber vulcanization
- 合成纤维 Synthetic fibre
- 木材烘干 Wood drying
- 人造板生产 Artificial board production
- 木制品涂装 Wood product coating
- 原油加热 Crude oil heating
- 油气处理 Oil and gas processing
- 沥青加热 Asphalt heating
- 食品油炸 Food frying and heating
- 食品烘干 Food drying
- 脱水干燥 Dewatering and drying
- 油脂加工 Oil processing
- 挤出机加热 Extruder heating
- 制药设备 Pharmaceutical equipment
- 电镀加热 Electroplating heating
- 滚筒式烘干 Tumble dry
- 热熔染色 Thermosol dyeing



热水锅炉
HOT-WATER BOILER

- 民用采暖 Civil heating
- 工业采暖 Industrial heating
- 区域供暖 District heating
- 洗浴热水 Bath hot water
- 恒温泳池 Swimming pool
- 洗涤用水 Wash water
- 温室采暖 Greenhouse heating
- 漂洗染色 Rinse and dye
- 发酵熟化 Fermentation and maturation
- 保温解冻 Hot water thawing
- 空调加湿 Air conditioning humidification
- 屠宰加工 Slaughter meat processing
- 纺织漂白清洗 Textile cleaning
- 反应釜加热 Reactor heating
- 鱼类养殖 Fish culture



热风锅炉
HOT AIR BOILER

- 热风采暖 Hot air heating
- 粮食烘干 Grain drying
- 饲料烘干 Feed drying
- 生物质干燥 Biomass drying
- 原料干燥 Raw material drying
- 药材干燥 Drying of medicinal herbs
- 污泥干燥 Sludge drying
- 木材干燥 Wood drying
- 食品干燥 Food drying
- 调味品干燥 Seasoning drying
- 烘干定型 Drying and shaping
- 果蔬脱水 Vegetable dehydration
- 涂装烘干 Coating drying
- 矿井加热 Mine heating

AIX BOILER

PATENT

锅炉外观设计专利 （专利号：ZL202200141575.0）
Boiler appearance design patent (patent number: ZL202200141575.0)

变频电磁锅炉 （专利号：ZL202230289311.X）
Variable frequency electromagnetic boiler (patent number: ZL202230289311. X)

智能锅炉控制系统著作权 （登记号：2020SR1160741）
Copyright of Intelligent Boiler Control System (Registration Number: 2020SR1160741)

锅炉远程控制系统 V2.0 著作权（登记号：2022SR1000490）
Copyright of Boiler Remote Control System V2.0 (Registration Number: 2022SR1000490)

半导体热水模块锅炉 （专利号：202323516832.2）
Semiconductor hot water module boiler (patent number: 202323516832.2)

电磁导热油锅炉 （专利号：ZL202321018282.9）
Electromagnetic heat transfer oil boiler (patent number: ZL202321018282.9)

电磁低压高温蒸汽锅炉 （专利号：ZL202321122947.0）
Low pressure and high temperature steam boiler (patent number: ZL202321122947.0)

电磁加热烘干筒 （专利号：202323284285.X）
Electromagnetic heating drying drum (patent number: 202323284285. X)

电磁加热反应釜 （专利号：202322763657.0 ）
Electromagnetic Heating Reactor (Patent No.: 202322763657.0)

电磁蒸汽发生器 （专利号：ZL202321225929.5）
Electromagnetic Steam Generator (Patent No. ZL202321225929.5)

电磁加热蒸汽过热器 （专利号：ZL202321633300.4）
Electromagnetic heating steam superheater (patent number: ZL202321633300.4)

电磁热水模块锅炉 （专利号：ZL202320972944.X）
Electromagnetic hot water module boiler (patent number: ZL202320972944. X)

电加热热风锅炉 （专利号：ZL202321529892.5）
Electric heating hot air boiler (patent number: ZL202321529892.5)

电加热列管换热器 （专利号：202323015761.8）
Electric heating tube heat exchanger (patent number: 202323015761.8)

电加热真空热水锅炉 （专利号：202322880214.X）
Electric heating vacuum hot water boiler (patent number: 202322880214. X)

防爆热风锅炉 （专利号：ZL202322010060.9）
Explosion proof hot air boiler (patent number: ZL202322010060.9)

防爆导热油加热器 （专利号：ZL202321875522.7）
Explosion proof thermal oil heater (patent number: ZL202321875522.7)

防爆热水模块锅炉 （专利号：202322272701.8）
Explosion proof hot water module boiler (patent number: 202322272701.8)

防爆蒸汽发生器 （专利号：ZL202322162575.0）
Explosion proof steam generator (patent number: ZL202322162575.0)

燃气模块蒸汽器发生器 （专利号：202322550791.2）
Gas module steam generator (patent number: 202322550791.2)

电加热热水补偿器 （专利号：ZL202321777008.X）
Electric heating hot water compensator (patent number: ZL202321777008. X)

贯流式燃气蒸锅炉 （专利号：ZL202322423007.1）
Cross flow gas steam boiler (patent number: ZL202322423007.1)





CATALOGUE

目 录

01	DZZQ 电阻加热蒸汽锅炉	DZZQ Resistance Steam Boiler
02	DCZQ 电磁感应加热蒸汽锅炉	DCZQ Electromagnetic steam
03	DZZQ-EX 电加热防爆蒸汽锅炉	Electric heating EX explosion-proof steam boiler
04	ZQGR-DC 电加热蒸汽过热器	ZQGR-DC Electric heating steam superheater boiler
07	DZRS 电阻热水模块锅炉	DZRS Resistance hot water boiler
08	DRZK 电加热真空相变热水锅炉	DRZK Electric heating vacuum hot water boiler
09	PTC 半导体热水模块锅炉	PTC Semiconductor hot water boiler
10	DCRS 电磁热水模块锅炉	DRZK Electromagnetic hot water module boiler
13	DZDRY 电阻导热油模块锅炉	DZDRY Resistance Thermal Oil Module Boiler
14	DCDRY 电磁导热油模块锅炉	DCDRY Electromagnetic Thermal Oil Boiler
17	DCRF 高温电磁热风炉	DCRF Electromagnetic hot air stove
19	LSS 超低氮冷凝蒸汽锅炉	LSS Ultra low nitrogen condensing steam boiler
23	WNS 超低氮燃气蒸汽锅炉	WNS Low nitrogen gas steam boiler
27	SZS 燃气锅炉	SZS Gas boiler
31	ZZJ/ZLJ 燃油气真空热水锅炉	ZZJ/ZLJ Condensing vacuum hot water boiler
35	YY(Q)W 导热油锅炉	YY (Q) W Thermal Oil Boiler
39	DZH 生物质（燃煤）锅炉	DZH biomass (coal-fired) boiler
43	DZL 生物质（燃煤）锅炉	DZL Biomass (coal-fired) boiler
47	SZL 生物质（燃煤）锅炉	SZL Biomass (coal-fired) boiler
51	YGL 生物质（燃煤）导热油锅炉	YGL Biomass (coal-fired) thermal oil boiler
55	YLW 生物质（导热油）导热油锅炉	YLW Biomass (coal-fired) thermal oil boiler

01 DZZQ 电阻加热蒸汽锅炉
DZZQ Resistance Steam Boiler



DZZQ 电加热蒸汽锅炉（蒸汽发生器）采用电阻式加热形式，是将电能转换为热能产生蒸汽的锅炉，多用于电站、船舶、机车和工矿企业，电阻式加热管是其主要加热元件。

电加热锅炉采用金属管状电加热器对水进行加热，使电能直接转化为热能产生蒸汽。不需要采用燃烧的方式将化学能转化为热能，也就不需要供应燃烧所需的空气和燃料，不会排放有害气体及灰渣，完全符合环保要求。电加热管采用三角法连接，多个电加热管连成一组，外面罩有接管，装在法兰盘上与外部电气设备连接，电加热管组外面有电加热护罩，介质的加热过程全部在锅炉筒体中完成，不需要布置管路。简体上设置有蒸汽出口、安全阀、压力表、接线盘和排污阀等配件，艾克斯锅炉电阻式蒸汽锅炉技术非常成熟，锅炉运行安全稳定。

The DZZQ electric heating steam boiler (steam generator) adopts a resistance heating form and is a boiler that converts electrical energy into thermal energy to generate steam. It is mainly used in power plants, ships, locomotives, and industrial and mining enterprises, and the resistance heating tube is its main heating element.

Electric heating boilers use metal tubular electric heaters to heat water, converting electrical energy directly into thermal energy to produce steam. There is no need to convert chemical energy into heat energy through combustion, which means there is no need to supply the air and fuel required for combustion, and no harmful gases or ash are emitted, fully meeting environmental requirements. The electric heating tubes are connected using a triangular method, with multiple electric heating tubes connected in a group. The outer cover has a connecting pipe, which is installed on a flange to connect with external electrical equipment. The electric heating tube group has an electric heating shield outside, and the heating process of the medium is completed entirely in the boiler cylinder without the need for pipeline layout. The simplified Chinese version is equipped with accessories such as steam outlets, safety valves, pressure gauges, wiring panels, and drain valves. Aix Boiler's resistance steam boiler technology is very mature, and the boiler operates safely and stably.



DCZQ 电磁感应加热蒸汽锅炉（蒸汽发生器）是一种新型的蒸汽锅炉设备，它利用电磁感应原理，通过电能转化为热能从而产生蒸汽。

电磁蒸汽发生器的工作原理基于电磁感应原理。当交流电通过电磁线圈时，线圈周围会产生磁场，磁场的变化会引发导体内部的电流变化，从而产生热量。在这个过程中，电能被转化为热能进而产生蒸汽。与传统蒸汽锅炉相比，电磁蒸汽发生器具有许多优点。由于电磁蒸汽发生器采用了电磁感应加热技术，因此它可以在短时间内将水加热到很高的温度从而快速产生蒸汽，能够将电能转化为热能的效率达到 99% 以上。电磁蒸汽锅炉更加环保，没有燃烧过程不会产生有害气体和烟尘。DCZQ 电磁蒸汽锅炉更加节能 ，根据实际蒸汽使用量自动调整输出功率，减低能耗 30% 有效地利用电力能源。

The DCZQ electromagnetic induction heating steam boiler (steam generator) is a new type of steam boiler equipment that uses the principle of electromagnetic induction to convert electrical energy into thermal energy and generate steam.

The working principle of an electromagnetic steam generator is based on the principle of electromagnetic induction. When alternating current passes through an electromagnetic coil, a magnetic field is generated around the coil, and the change in the magnetic field causes a change in the current inside the conductor, thereby generating heat. During this process, electrical energy is converted into thermal energy, which in turn generates steam. Due to the use of electromagnetic induction heating technology, the electromagnetic steam generator can quickly heat water to a high temperature and generate steam, with an efficiency of over 99% in converting electrical energy into thermal energy. Electromagnetic steam boilers are more environmentally friendly, as they do not produce harmful gases and smoke without a combustion process. DCZQ electromagnetic steam boiler is more energy-efficient, automatically adjusting output power according to actual steam usage, reducing energy consumption by 30% and effectively utilizing electrical energy.

03 DZZQ-EX 电加热防爆蒸汽锅炉 Electric heating EX explosion-proof steam boiler



DZZQ-EX 电加热防爆蒸汽锅炉（蒸汽发生器）主要适用于需要防爆或高温蒸汽的工业生产场所。这些场所通常包括油田、矿场、粉尘较大的车间、化工车间等，这些场所对电器设备有防爆要求，因此需要使用防爆蒸汽锅炉、发生器来确保安全。防爆蒸汽发生器的设计和制造都考虑到防爆安全，具有一系列防爆零配件，如防爆接线箱、防爆电加热管、防爆水泵、防爆液位浮球等，以确保在易燃易爆的环境中安全运行。

防爆蒸汽锅炉的使用也需要注意其防爆等级和安全性能，以确保在特定环境下能够提供稳定的蒸汽供应，同时保障人员和设备的安全。

The DZZQ-EX electric heating explosion-proof steam boiler (steam generator) is mainly suitable for industrial production sites that require explosion-proof or high-temperature steam. These places usually include oil fields, mines, workshops with high dust, chemical workshops, etc. These places have explosion-proof requirements for electrical equipment, so explosion-proof steam boilers and generators are needed to ensure safety. The design and manufacturing of explosion-proof steam generators take explosion-proof safety into consideration, with a series of explosion-proof spare parts such as explosion-proof wires, explosion-proof junction boxes, explosion-proof electric heating tubes, explosion-proof water pumps, explosion-proof liquid level floats, etc., to ensure safe operation in flammable and explosive environments.

The use of explosion-proof steam boilers also requires attention to their explosion-proof rating and safety performance to ensure stable steam supply in specific environments, while ensuring the safety of personnel and equipment.



ZQGR-DC 电加热蒸汽锅炉器，过热蒸汽是一种在工业和能源领域广泛应用的重要热媒介。它在饱和蒸汽的基础上继续加热，使温度超过沸点而形成。过热蒸汽的温度可以达到300℃以上，不锈钢蒸汽过热器可以把蒸汽温度提升至 600℃以上。这种蒸汽在发电、加热和驱动工业设备等方面发挥着关键作用。

过热蒸汽与饱和蒸汽的主要区别在于温度和压力的关系。饱和蒸汽的温度和压力之间存在一一对应的关系，而过热蒸汽的温度和压力没有一一对应的关系，还与蒸汽密度有关。过热蒸汽的换热效率虽然低于饱和蒸汽，但其高温特性使其在热能转化为机械能方面效率更高。过热蒸汽是一种关键的热能转换和技术应用介质，其在多种工业过程中的重要性日益突出。

ZQGR-DC Electric heating steam boiler,Superheated steam is an important heat medium widely used in the industrial and energy fields. It continues to heat on the basis of saturated steam, causing the temperature to exceed the boiling point and form. The temperature of superheated steam can reach over 300 ℃, and stainless steel steam superheaters can raise the steam temperature to over 600 ℃. This type of steam plays a crucial role in power generation, heating, and driving industrial equipment.

The main difference between superheated steam and saturated steam lies in the relationship between temperature and pressure. There is a one-to-one correspondence between the temperature and pressure of saturated steam, while the temperature and pressure of superheated steam do not have a one-to-one correspondence and are also related to steam density. Although the heat transfer efficiency of superheated steam is lower than that of saturated steam, its high temperature characteristics make it more efficient in converting thermal energy into mechanical energy.

05 性能特点 Performance characteristics

只需要连接电源、水源、蒸汽管道和必要的控制系统即可运行，对安装环境要求相对较低。

It only needs to be connected to the power supply, water source, steam pipeline, and necessary control system to operate, with relatively low requirements for installation environment.

通过控制通电电流或使用多组加热管分组控制，可以实现非常精确的温度和压力控制。

By controlling the current or grouping multiple heating tubes, very precise temperature and pressure control can be achieved.

无燃烧过程，无烟尘、废气排放（零碳排放），运行噪音相对较低（主要是水泵和水沸腾的声音）

No combustion process, no smoke or exhaust emissions (zero carbon emissions), relatively low operating noise (mainly the sound of water pumps and boiling water)

相比电磁加热锅炉，电阻式锅炉的制造成本通常更低，因此购买价格更经济。

Compared to electromagnetic heating boilers, the manufacturing cost of resistance boilers is usually lower, making the purchase price more economical.

电磁感应使水分子自身高速运动摩擦生热，热转化效率极高（通常可达 96%-99% 甚至更高）

Electromagnetic induction causes water molecules to move at high speeds and generate heat through friction, resulting in extremely high thermal conversion efficiency (usually up to 96% -99% or even higher)

相比同等功率的电加热锅炉，艾克斯锅炉通常可节能 15%-30% 甚至更多，长期运行的电费节省非常可观。

Compared to electric heating boilers of the same power, Aix boilers can typically save 15% -30% or even more energy, resulting in significant long-term electricity savings.

由于是水分子直接发热，热惯性小，从启动到产出蒸汽的时间非常短（只需 30 秒），特别适合需要快速或者间歇性使用蒸汽的场所。

Due to the direct heating of water molecules, the thermal inertia is small, and the time from start-up to steam production is very short (only 30 seconds), making it particularly suitable for places that require rapid or intermittent use of steam.

电磁线圈在外部加热金属容器（不锈钢或碳钢内胆），水在容器内部被加热，线圈本身与水完全隔离使用更加安全。

The electromagnetic coil heats the metal container (stainless steel or carbon steel liner) externally, and the water is heated inside the container. The coil itself is completely isolated from the water for safer use.

艾克锅炉配备先进的变频控制和智能管理系统，功率可无极调节，控制更精准灵活。

AIX boiler is equipped with advanced frequency conversion control and intelligent management system, with infinite power adjustment and more precise and flexible control.

水电完全分离的设计，完全避免漏电风险。多重安全保护没有任何安全隐患（超温、超压、缺水、漏电、过流等）

The design of completely separating water and electricity completely avoids the risk of electrical leakage. Multiple safety protections without any safety hazards (overheating, overpressure, water shortage, leakage, overcurrent, etc.)

电阻蒸汽锅炉 Resistance steam boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定蒸发量 Rated evaporation (kg/h)	额定压力 Rated pressure (Mpa)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DZZQ36	36	54	220~500	50	0.1~0.8	85	700*700*1500
DZZQ72	72	108	380~500	100	0.1~0.8	125	1000*1200*1700
DZZQ144	144	215	380~500	200	0.1~0.8	300	1200*1000*1700
DZZQ216	216	324	380~500	300	0.1~0.8	450	1400*1400*1700
DZZQ360	360	540	380~500	500	0.1~1.0	600	1600*1400*1700
DZZQ720	720	1080	380~500	1000	0.1~1.0	1100	3000*1400*1700
DZZQ1080	1080	1620	380~500	1500	0.1~1.25	1700	3600*1400*1750
DZZQ1440	1440	2160	380~500	2000	0.1~1.25	2300	4000*2100*1800
DZZQ2160	2160	3240	380~500	3000	0.1~1.25	3500	5500*2200*1800
DZZQ2880	2880	4320	380~500	4000	0.1~1.25	5500	7000*2200*1800

电磁蒸汽锅炉 Electromagnetic steam boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定蒸发量 Rated evaporation (t/h)	额定压力 Rated pressure (Mpa)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DCZQ30	30	45	220~500	42	0.1~0.8	55	800*700*1500
DCZQ50	50	75	380~500	70	0.1~0.8	67	800*700*1500
DCZQ60	60	90	380~500	84	0.1~0.8	110	1200*1000*1700
DCZQ80	80	120	380~500	112	0.1~0.8	200	1200*1000*1700
DCZQ160	160	240	380~500	336	0.1~0.8	380	1600*1400*1700
DCZQ320	320	480	380~500	448	0.1~0.8	580	2000*1400*1700
DCZQ400	400	600	380~500	560	0.1~0.8	800	2400*1400*1750
DCZQ720	720	1080	380~500	1000	0.1~0.8	1400	5000*1400*1800
DCZQ1040	1040	1560	380~500	1500	0.1~0.8	2000	5000*2000*1800
DCZQ1440	1440	2160	380~500	2000	0.1~0.8	2800	5500*2200*1800

电磁加热过热蒸汽 Electromagnetic heating superheated steam

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	过热温度 Steam temperature (℃)	过热量 Steam quantity (kg/h)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DCGR10	10	15	220~380	200~350	45~90	50	600*700*1500
DCGR20	20	30	380~500	200~350	90~180	75	700*700*1500
DCGR30	30	45	380~500	200~350	135~270	85	700*800*1700
DCGR40	40	60	380~500	200~350	180~360	120	800*800*1700
DCGR50	50	75	380~500	200~350	230~450	135	1000*800*1700
DCGR60	60	90	380~500	200~350	270~540	160	1000*800*1700
DCGR80	80	120	380~500	200~350	360~720	220	1000*1000*1700
DCGR160	160	240	380~500	200~450	720~1400	670	1200*1400*1800
DCGR240	240	360	380~500	200~450	1000~2000	1200	1200*2200*1800
DCGR320	320	480	380~500	200~450	2000~3000	1500	1200*3000*1800

07 DZRS 电阻热水模块锅炉
DZRS Resistance hot water boiler



DZRS 电阻热水模块锅炉是将电能转化为热能，把水加热的一 种热力设备。它无需炉膛、烟道和烟囱，也无需储存燃料的场地，极大地减少了常规燃煤锅炉带来的污染。电热锅炉具有无污染，无噪声，占地面积小，安装使用方便全自控制运行安全可靠，热效率高达 98% 以上等特点。

产品延续了艾克斯锅炉大规模超大规模电路管路集成系统。设备在运行过程中双加热系统独立工作独立控制互不干扰。该款式热水模块锅炉结构紧凑，外观设计新颖，运行十分稳定。控制部分升级了远程云端故障检测，新增了多种通讯协议，完善了手机远程控制功能。该热水模块锅炉具有漏电保护功能、防干烧极低水位保护功能、炉体过热保护功能、温度传感器异常保护功能、电源电压异常保护功能、加热组件断相保护功能。

The DZRS resistance hot water module boiler is a thermal equipment that converts electrical energy into thermal energy and heats water. It does not require furnaces, flues, chimneys, or storage sites for fuel, greatly reducing the pollution caused by conventional coal-fired boilers. Electric boilers have the characteristics of no pollution, no noise, small footprint, easy installation and use, fully automatic control, safe and reliable operation, and thermal efficiency of over 98%.

The product continues the large-scale and ultra large scale circuit and pipeline integration system of the Aix boiler. The dual heating system works independently and controls each other without interference during the operation of the equipment. This style of hot water module boiler has a compact structure, innovative appearance design, and stable operation. The control part has upgraded remote cloud fault detection, added multiple communication protocols, and improved the remote control function of mobile phones. The hot water module boiler has leakage protection function, anti dry burning extremely low water level protection function, furnace body overheating protection function, temperature sensor abnormal protection function, power supply voltage abnormal protection function, and heating component phase failure protection function.



DRZK 电加热真空相变热水锅炉是一种利用电能驱动、在真空环境下通过介质相变传热的高效热能设备。其核心特点是安全零爆炸风险、热效率＞98%、寿命长达 20 年。

电加热真空相变热水锅炉，是一种特殊设计的锅炉。在其正常工作状态下，锅炉内部的介质压力维持在低于大气压的水平。在真空状态下，炉体内的热媒水吸收电能产生的热能，进而沸腾汽化为低温蒸汽。这些蒸汽上升后，会遇到不锈钢换热器中的系统循环水，并通过热交换加热产生热水。在此过程中，水蒸气自身被冷却并凝结成水滴，随后滴落到热媒水面上，再次被加热，从而完成了整个循环。由于热媒水在封闭的机体内不断进行“ 沸腾 - 蒸发 - 冷凝 - 热媒水 ”的循环，因此无需额外补充冷凝水，也消除了空烧的风险。

The DRZK Electric heating vacuum phase change hot water boiler is an efficient thermal energy device that uses electric energy to drive and transfer heat through medium phase change in a vacuum environment. Its core features are zero explosion risk, thermal efficiency>98%, and a lifespan of up to 20 years.

Electric heating vacuum phase change hot water boiler is a specially designed boiler. In its normal working state, the medium pressure inside the boiler is maintained at a level lower than atmospheric pressure. In a vacuum state, the heat medium water inside the furnace absorbs the thermal energy generated by electricity, and then boils and vaporizes into low-temperature steam. After these vapors rise, they will encounter the circulating water in the stainless steel heat exchanger and generate hot water through heat exchange heating. During this process, the water vapor is cooled and condensed into water droplets, which then drip onto the surface of the heat medium and are heated again, completing the entire cycle. Due to the continuous cycle of boiling evaporation condensation heat medium water inside the enclosed body, there is no need to supplement condensate water and the risk of air burning is eliminated.

09 PTC 半导体热水模块锅炉 PTC Semiconductor hot water boiler



PTC 半导体电加热热水模块锅炉是一种基于半导体材料的电加热设备，其工作原理是利用 PTC（正温度系数）材料的特性进行加热。PTC 材料是一种特殊的半导体材料其电阻随温度升高而增加，即具有正温度系数特性。

PTC 半导体电锅炉加热器水电分离结构，该加热管采用过流式加热，陶瓷发热体紧贴管道外壁加热，热量通过金属材质传导，陶瓷发热不与水接触，实现了真正的水电分离。如果管道内无水或温控器失灵而导致加热器空载，则加热器表面温度到达 200℃左右时，其电阻值会急剧上升，此时加热管变成了绝缘体，并且自身切断电源，从而保护整个电路，这时加热管基本没有电流，也就没有了功率，即使长时间无水干烧，也不会烧坏。等到温度降低或管道内通水时，加热管又会恢复加热。因此该加热管在无水或空载时通电可长时间干烧，并且不爆管、不漏电、不引发火灾等危害。

The The PTC semiconductor electric heating hot water module boiler is an electric heating device based on semiconductor materials, which works by utilizing the characteristics of PTC (positive temperature coefficient) materials for heating. PTC material is a special semiconductor material whose resistance increases with temperature, that is, it has a positive temperature coefficient characteristic.

The PTC semiconductor electric boiler heater has a water electricity separation structure. The heating tube adopts overcurrent heating, and the ceramic heating element is tightly attached to the outer wall of the pipeline for heating. The heat is conducted through the metal material, and the ceramic heating does not come into contact with water, achieving true water electricity separation. If there is no water in the pipeline or the temperature controller fails, causing the heater to be unloaded, when the surface temperature of the heater reaches around 200 ℃, its resistance value will sharply rise. At this time, the heating tube becomes an insulator and cuts off the power supply to protect the entire circuit. At this time, the heating tube has almost no current and no power. Even if there is no water dry burning for a long time, it will not burn out. When the temperature drops or water flows through the pipeline, the heating tube will resume heating. Therefore, the heating tube can dry burn for a long time when there is no water or no load, and it does not explode, leak electricity, or cause fire hazards.



DCRS 电磁热水模块锅炉，是一种新型的高温热水锅炉产品，它利用电磁感应原理，通过电能转化为热能，从而产生高温热水。这种电磁热水锅炉具有高效、环保、节能等优点。

电磁热水锅炉的工作原理基于电磁感应原理。当交流电通过电磁线圈时，线圈周围会产生磁场，磁场的变化会引发导体内部的电流变化，从而产生热量。在这个过程中，电能被转化为热能，进而产生热水。电磁感应加热的节能效果比传统加热方法更显著，平均节省电能 30%，并具有热稳定、加热快、使用寿命长、维护方便等优点。不久的将来，电磁感应加热技术因其独特的优点，将在许多方面取代传统的热源，升级和改变电加热技术。

The DCRS electromagnetic hot water module boiler is a new type of high-temperature hot water boiler product. It uses the principle of electromagnetic induction to convert electrical energy into thermal energy, thereby producing high-temperature hot water. This electromagnetic hot water boiler has the advantages of high efficiency, environmental protection, and energy saving.

The working principle of an electromagnetic hot water boiler is based on the principle of electromagnetic induction. When alternating current passes through an electromagnetic coil, a magnetic field is generated around the coil, and the change in the magnetic field causes a change in the current inside the conductor, thereby generating heat. During this process, electrical energy is converted into thermal energy, which in turn generates hot water. The energy-saving effect of electromagnetic induction heating is more significant than traditional heating methods, saving an average of 30% of electricity, and has advantages such as thermal stability, fast heating, long service life, and easy maintenance. In the near future, electromagnetic induction heating technology will replace traditional heat sources, upgrade and change electric heating technology in many aspects due to its unique advantages.

11 性能特点 Performance characteristics

采用 AIX 锅炉、德国西门子控制器，内置背光灯的 LCD 液晶屏显示器，锅炉的运行状态清晰可见。

Adopting AIX boiler controller and LCD screen display with built-in backlight, the operating status of the boiler is clearly visible.

不锈钢电加热管型热水锅炉采用“浸入式”的电加热方式，炉水升温快、效率高，加热管与炉体法兰式连接，易于清洗、拆换。

Stainless steel electric heating tube has fast heating and high efficiency. The heating tube is connected to the furnace body in a flange style, making it easy to clean and replace.

可在 30℃-90℃之间任意设置水温，锅炉按照用户要求定时、定温全自动向供暖循环系统供热或热水输出。

The water temperature can be set arbitrarily between 30 ℃ and 90 ℃, and the boiler automatically supplies heat or hot water to the heating circulation system at a fixed time and temperature according to user requirements.

大功率锅炉采用步进式分时投入法控制加热组，加热组可根据负荷变化随机投入或停止工作，明显减少对电网的冲击。

The high-power boiler adopts a step-by-step time-sharing input method to control the heating group. The heating group can be randomly activated or deactivated according to load changes, significantly reducing the impact on the power grid.

电磁感应使水分子自身高速运动摩擦生热，热转化效率极高（通常可达 96%-99% 甚至更高）

Electromagnetic induction causes water molecules to move at high speeds and generate heat through friction, resulting in extremely high thermal conversion efficiency (usually up to 96% -99% or even higher)

相比同等功率的电加热锅炉，艾克斯锅炉通常可节能 15%-30% 甚至更多，长期运行的电费节省非常可观。

Compared to electric heating boilers of the same power, Aix boilers can typically save 15% -30% or even more energy, resulting in significant long-term electricity savings.

控制系统根据设定温度控制锅炉的启停。炉水达到设定上限水温时锅炉停止加热，低于设定下限水温时锅炉自动启动进行加热。

The control system controls the start and stop of the boiler based on the set temperature. When the boiler water reaches the set upper limit water temperature, the boiler stops heating. When the water temperature is lower than the set lower limit water temperature, the boiler automatically starts for heating.

艾克斯电热锅炉设计有漏电保护功能、防干烧保护功能、炉体过热保护功能、温度传感器异常保护功能、电源电压异常保护功能、加热组件断相保护等功能。

The design of the Aix boiler includes functions such as leakage protection, anti dry burning protection, furnace overheating protection, temperature sensor abnormal protection, power supply voltage abnormal protection, and heating component phase failure protection.

艾克锅炉配备先进的变频控制和智能管理系统，功率可无极调节，控制更精准灵活。

AIX boiler is equipped with advanced frequency conversion control and intelligent management system, with infinite power adjustment and more precise and flexible control.

电磁感应加热热水模块锅炉的热效率通常在 97% 以上，锅炉金属筒体在接受磁场感应电流时加热迅速。

The thermal efficiency of electromagnetic induction heating hot water module boilers is usually above 97%, and the metal cylinder of the boiler heats up quickly when receiving magnetic field induced current.

电加热常压热水模块锅炉 Electric heating atmospheric hot water module boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定发热量 Rated heat generation (10^4kcal/h)	热水温度 Water temperature (℃)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DZRS0.18	180	270	380~500	15	85/65	75	700*700*1500
DZRS0.24	240	360	380~500	20	85/65	120	1000*1200*1700
DZRS0.35	360	540	380~500	30	85/65	260	1200*1000*1700
DZRS0.48	480	720	380~500	40	85/65	330	1500*1500*1700
DZRS0.58	580	870	380~500	50	85/65	600	1800*1700*1700
DZRS0.7	720	1080	380~500	60	85/65	1300	3000*1800*1700
DZRS1.05	1080	1620	380~500	90	85/65	1700	3600*2000*1750
DZRS1.4	1440	2160	380~500	120	85/65	2600	3600*2100*1800
DZRS1.75	1800	2700	380~500	150	85/65	3200	4000*2200*1800
DZRS2.1	2160	3240	380~500	180	85/65	5500	4500*2200*1800

电加热承压热水模块锅炉 Electric heating pressurized hot water module boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定压力 Rated pressure (Mpa)	热水温度 Water temperature (℃)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DZRS0.18	180	270	380~500	0.7/1.0	115/70	97	700*700*1500
DZRS0.24	240	360	380~500	0.7/1.0	115/70	160	1000*1200*1700
DZRS0.35	360	540	380~500	0.7/1.0	115/70	340	1200*1000*1700
DZRS0.48	480	720	380~500	0.7/1.0	115/70	430	1500*1500*1700
DZRS0.58	580	870	380~500	0.7/1.0	115/70	780	1800*1700*1700
DZRS0.7	720	1080	380~500	0.7/1.0	115/70	1700	3000*1800*1700
DZRS1.05	1080	1620	380~500	0.7/1.0	115/70	2200	3600*2000*1750
DZRS1.4	1440	2160	380~500	0.7/1.0	115/70	3380	3600*2100*1800
DZRS1.75	1800	2700	380~500	0.7/1.0	115/70	4200	4000*2200*1800
DZRS2.1	2160	3240	380~500	0.7/1.0	115/70	7200	4500*2200*1800

电加热真空相变热水锅炉 Electric heating vacuum hot water boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	循环水量 Circulating water volume (m^3/h)	设计压力 Design pressure (Mpa)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
ZKRS0.18	180	270	380~500	15	1.0/1.6	450	1500*1000*1700
ZKRS0.24	240	360	380~500	20	1.0/1.6	650	1500*1200*1700
ZKRS0.35	360	540	380~500	30	1.0/1.6	880	1700*1500*1700
ZKRS0.48	480	720	380~500	40	1.0/1.6	1100	2000*1500*1700
ZKRS0.58	580	870	380~500	50	1.0/1.6	1500	2200*1700*1700
ZKRS0.7	720	1080	380~500	60	1.0/1.6	2200	3000*1800*1700
ZKRS1.05	1080	1620	380~500	90	1.0/1.6	2700	3600*2000*1750
ZKRS1.4	1440	2160	380~500	120	1.0/1.6	3600	3600*2100*1800
ZKRS1.75	1800	2700	380~500	150	1.0/1.6	4200	4000*2200*1800
ZKRS2.1	2160	3240	380~500	180	1.0/1.6	5500	4500*2200*1800

13 DZDRY 电阻导热油模块锅炉 DZDRY Resistance Thermal Oil Module Boiler



DZDRY 电加热导热油锅炉以电能为热能，导热油为热载体，利用循环油泵强制液相循环，将热能输送给用热设备后，继而返回重新加热的直流式特种工业炉，如此周而复始，实现热量的连续传递，使被加热物体温度升高，达到加热的工艺要求。

艾克斯电加热导热油锅炉具有低压（≤0.4MPa）稳定运行，电脑自动控制，热效率可达 98% 以上，艾克斯导热油锅炉具有高效、环保、节能等优点，广泛应用于石油、化工、制药、纺织印染、轻工、建材、食品、板材加热、筑路沥青加温等需要高温的工业领域。还可用于 ≤ 350℃ 焙烘、蒸化、定型、溶融、干燥 等行业，是一种新型的理想的供热设备。锅炉整机撬装出厂现场无需安装，系统热油循环泵根据使用热量自动匹配功率，全自动控制无需人工操作。

The DZDRY electric heating heat transfer oil boiler uses electrical energy as heat energy and heat transfer oil as heat carrier. It uses a circulating oil pump to force liquid phase circulation, delivering the heat energy to the heating equipment and then returning to the reheated DC special industrial furnace. This process repeats itself, achieving continuous heat transfer and raising the temperature of the heated object to meet the heating process requirements.

The Aix electric heating heat transfer oil boiler has stable operation at low pressure (≤ 0.4MPa), computer automatic control, and a thermal efficiency of over 98%. The Aix heat transfer oil boiler has the advantages of high efficiency, environmental protection, and energy saving, and is widely used in industrial fields such as petroleum, chemical, pharmaceutical, textile printing and dyeing, light industry, building materials, food, board heating, and road asphalt heating that require high temperature. It can also be used in industries such as baking, steaming, shaping, melting, and drying at ≤ 350 ℃, making it a new and ideal heating equipment. The whole boiler is installed on site without installation, and the system's hot oil circulation pump automatically matches power according to the heat used, with fully automatic control without manual operation.



DCDRY 电磁导热油锅炉是一种新型的导热油加热设备，它利用电磁感应原理，通过电能转化为热能，从而产生高温导热油。这种导热油锅炉具有高效、环保、节能等优点，广泛应用于石油、化工、制药、纺织印染、轻工、建材、食品、板材加热、筑路沥青加温等需要高温的工业领域。

与传统导热油锅炉相比，电磁导热油锅炉有许多优点。首先，由于电磁导热油锅炉采用了电磁感应加热技术，因此它可以在短时间内将导热油加热到很高的温度，效率更高，能够将电能转化为热能的效率达到 98% 其次，它更加环保，没有燃烧过程，不会产生有害气体和烟尘。最后，它更加节能，能够根据实际需要自动调整输出功率，有效地利用能源。

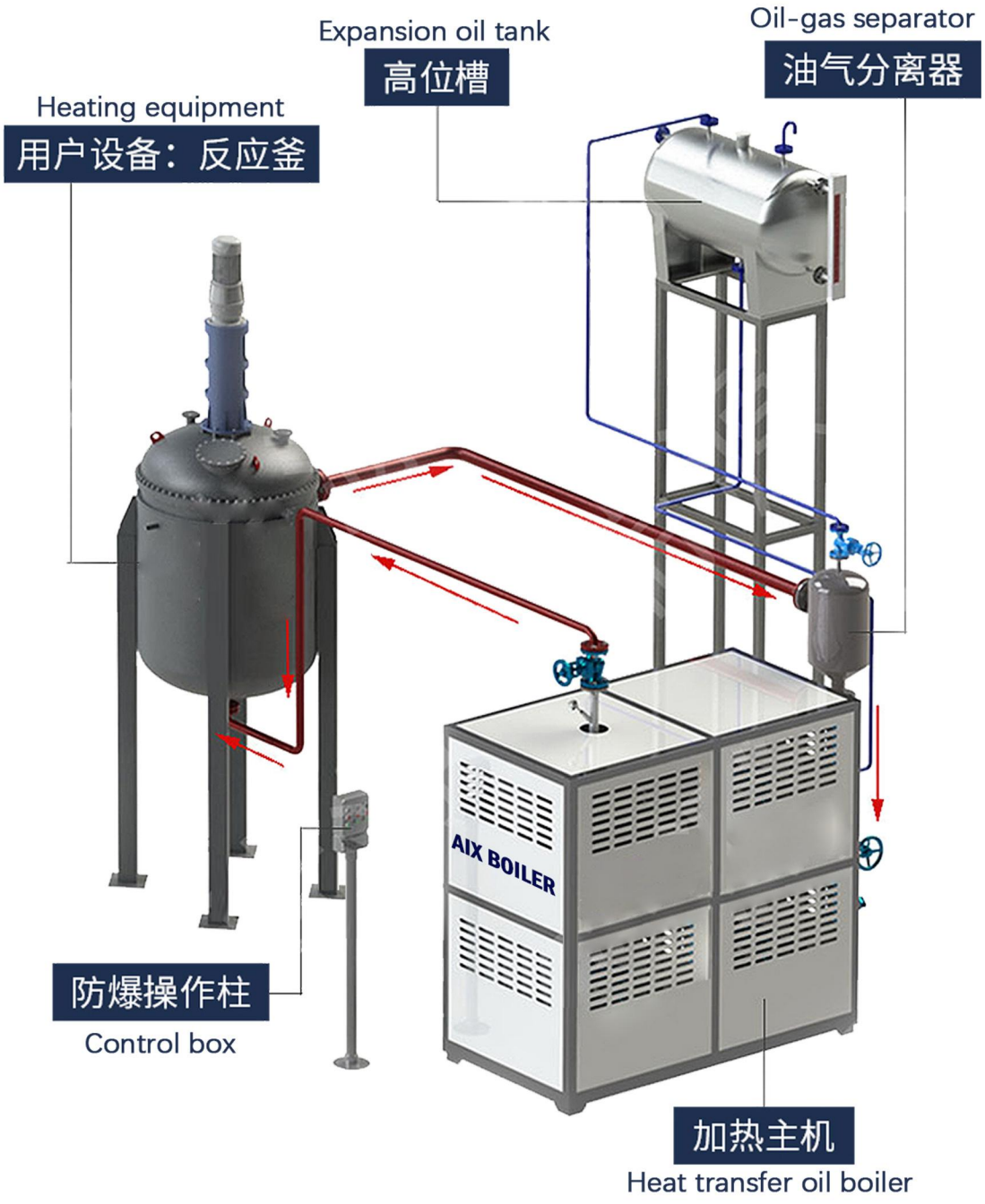
The DCDRY electromagnetic heat transfer oil boiler is a new type of heat transfer oil heating device that utilizes the principle of electromagnetic induction to convert electrical energy into thermal energy, thereby producing high-temperature heat transfer oil. This type of thermal oil boiler has the advantages of high efficiency, environmental protection, and energy saving, and is widely used in industrial fields that require high temperatures, such as petroleum, chemical, pharmaceutical, textile printing and dyeing, light industry, building materials, food, board heating, and road asphalt heating.

Compared with traditional thermal oil boilers, electromagnetic thermal oil boilers have many advantages. Firstly, due to the use of electromagnetic induction heating technology in the electromagnetic heat transfer oil boiler, it can heat the heat transfer oil to a very high temperature in a short period of time, with higher efficiency. The efficiency of converting electrical energy into thermal energy can reach 98%. Secondly, it is more environmentally friendly, without combustion process, and does not produce harmful gases and smoke. Finally, it is more energy-efficient and can automatically adjust the output power according to actual needs, effectively utilizing energy.

性能特点
Performance characteristics

艾克斯电加热导热油锅炉具有低压、高温、安全、高效节能的特点。完备的运行控制和安全监测装置，可以精密地控制工作温度，锅炉结构合理、配套齐全、模块化撬装出厂、现场免安装，运行和维修方便，便于锅炉布置。锅炉设计采用先进的防爆结构，可应用于特定防爆场所，防爆等级符合 EX\ATEX 防爆要求。

The Aix electric heating heat transfer oil boiler has the characteristics of low pressure, high temperature, safety, and high efficiency and energy saving. A complete set of operation control and safety monitoring devices can precisely control the working temperature. The boiler structure is reasonable, fully matched, modularized and installed in the factory, and on-site installation is free. It is easy to operate and maintain, and convenient for boiler layout. The boiler design adopts advanced explosion-proof structure, which can be applied to specific explosion-proof places, and the explosion-proof level meets the EX/ATEX explosion-proof requirements.





电阻导热油锅炉 Resistance thermal oil boiler

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定发热量 Rated heat generation (10^4kcal/h)	工作温度 Hot oil Temperature (℃)	运输重量 Transport weight (kg)	外形尺寸 External dimensions (mm)
DZDRY120	120	180	380~500	10	160~350	220	1500*800*1700
DZDRY240	240	240	380~500	20	160~350	370	1800*1500*1700
DZDRY350	360	540	380~500	30	160~350	450	2000*1500*1700
DZDRY500	500	750	380~500	40	160~350	510	2000*1700*1700
DZDRY700	720	1080	380~500	60	160~350	600	2000*1700*1700
DZDRY1000	1000	1500	380~500	80	160~350	1100	2500*2000*1700
DZDRY1200	1200	1800	380~500	100	160~350	1700	3000*2000*1800
DZDRY1400	1440	2160	380 ~500	120	160~350	2300	3200*2000*1800
DZDRY1800	1800	2700	380~500	150	160~350	3500	4000*2200*1800
DZDRY2100	2100	3150	380~500	180	160~350	5500	4500*2200*1800

DCRF 高温电磁热风炉
DCRF Electromagnetic hot air stove



DCRF 电磁热风炉是运用电磁感应加热的原理来产生热风。电磁热风炉内部包含一个或多个电磁感应线圈，当电流通过这些线圈时，会产生交变磁场。这个交变磁场与炉膛内的铁磁性材料相互作用，产生电磁感应加热现象。在这个过程中，铁磁性材料被迅速加热，并通过热传导和对流的方式，将热量传递给周围的空气。炉膛内的空气在受到加热后，体积膨胀，密度降低，进而产生向上的浮力，形成热气流。

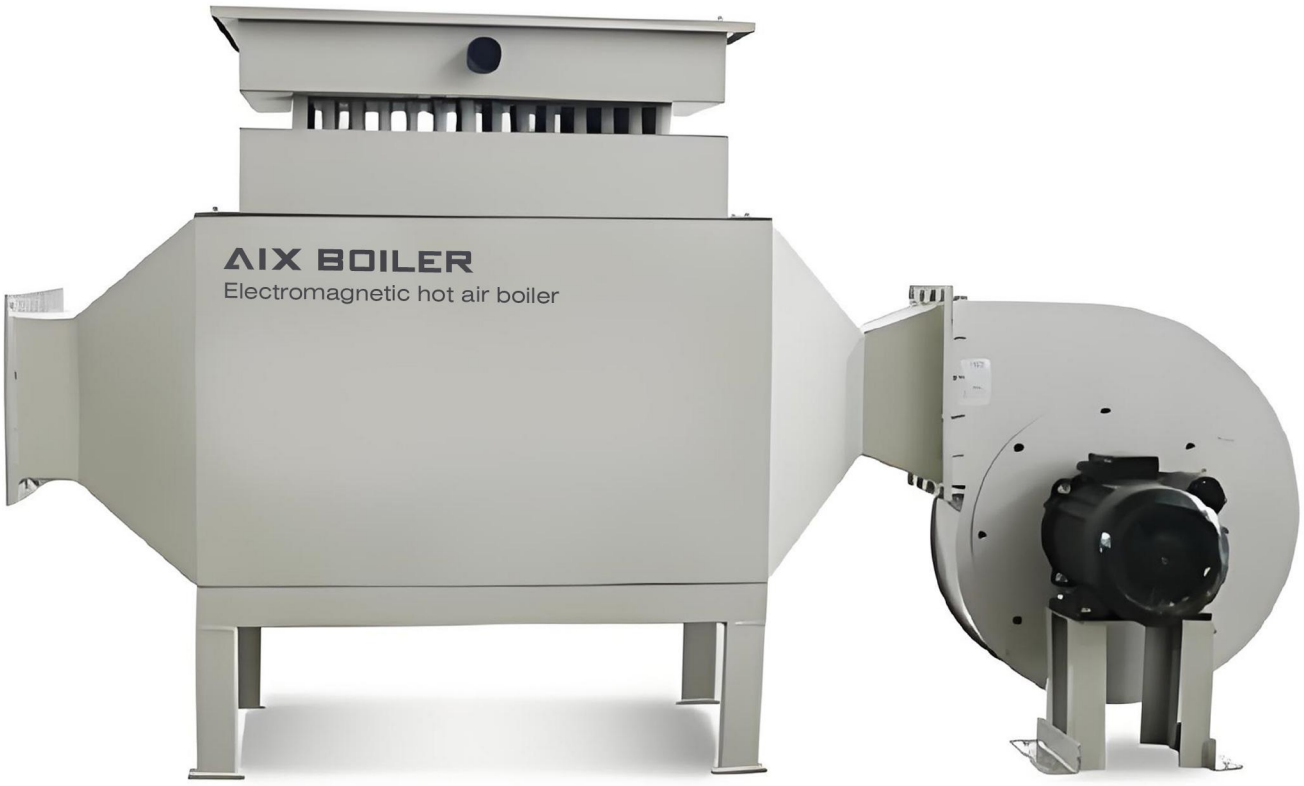
与传统的燃烧式热风炉相比，电磁热风炉不需要燃料，不会产生烟尘和有害气体，电磁加热方式具有快速、均匀、稳定，可以精确控制热风温度和风量。电磁热风炉的运行成本低，维护简单，使用寿命长。其高效、环保、节能的特点使得它在养殖、烘干、解冻等使用场景得到了广泛的应用。

The DCRF electromagnetic hot air stove uses the principle of electromagnetic induction heating to generate hot air. The electromagnetic hot air stove contains one or more electromagnetic induction coils inside, and when current passes through these coils, an alternating magnetic field is generated. This alternating magnetic field interacts with the ferromagnetic material inside the furnace, producing electromagnetic induction heating phenomenon. During this process, ferromagnetic materials are rapidly heated and heat is transferred to the surrounding air through thermal conduction and convection. After being heated, the air in the furnace expands in volume and decreases in density, thereby generating upward buoyancy and forming a hot gas flow.

Compared with traditional combustion type hot air stoves, electromagnetic hot air stoves do not require fuel and do not produce smoke and harmful gases. The electromagnetic heating method is fast, uniform, and stable, and can accurately control the temperature and volume of hot air. Electromagnetic hot air stove has low operating costs, simple maintenance, and long service life. Its efficient, environmentally friendly, and energy-saving characteristics have made it widely used in breeding, drying, thawing, and other scenarios.

电加热热风炉 Electric heating hot blast stove

型号规格 Model specifications	设计功率 Design power (kw/h)	额定电流 Rated current (A)	适用电压 Design Voltage (V)	额定发热量 Rated heat generation (10^4kcal/h)	风量 Air volume (m^3/h)	风压 Wnd pressure (kPa)	出风温度 Hot air temperature (℃)
DCRF100	100	150	380~500	8	13000	700	50~200
DCRF200	200	300	380~500	17	26000	700	50~200
DCRF300	300	450	380~500	25	37000	700	50~200
DCRF400	400	600	380~500	33	48000	700	50~200
DCRF500	500	750	380~500	42	55000	700	50~200
DCRF600	600	900	380~500	50	66000	700	50~200
DCRF700	700	1050	380~500	58	77000	700	50~200
DCRF800	800	1200	380~500	66	80000	700	50~200
DCRF900	900	1350	380~500	75	90000	700	50~200
DCRF1000	1000	1500	380~500	83	100000	700	50~200



19 LSS1-0.7-Q 超低氮冷凝蒸汽锅炉
LSS1-0.7-Q Ultra low nitrogen condensing steam boiler



传统锅炉蒸汽产生的过程是：储水 - 加热 - 水沸腾 - 产生蒸汽。全预混低氮冷凝蒸汽发生器使用不锈钢翅片节能器预热供水，开机 1min 即可产生高温蒸汽节省资源大大降低了热量的损耗，热效率高达 99%。传统蒸汽锅炉需要经过压力容器形成蒸汽压力之后才能产生高温蒸汽，全预混低氮冷凝蒸汽发生器直接产生高温蒸汽，无需压力容器形成蒸汽压力这个过程。

全预混表面燃烧技术利用表面燃烧热辐射，节省能源，高温使水立刻产生蒸汽。无级变速加热技术火力可调，可根据末端负载量自动调节燃烧器的出力，使机器工作在最佳状态。合理分配，设备体积小，可分布式安装。

The process of steam generation in traditional boilers is: water storage heating water boiling steam generation. The fully premixed low nitrogen condensing steam generator uses stainless steel finned energy-saving devices to preheat the water supply. It can generate high-temperature steam within 1 minute of start-up, greatly reducing heat loss and achieving a thermal efficiency of up to 99%. Traditional steam boilers require a pressure vessel to generate steam pressure before producing high-temperature steam. A fully premixed low nitrogen condensing steam generator directly produces high-temperature steam without the need for a pressure vessel to generate steam pressure.

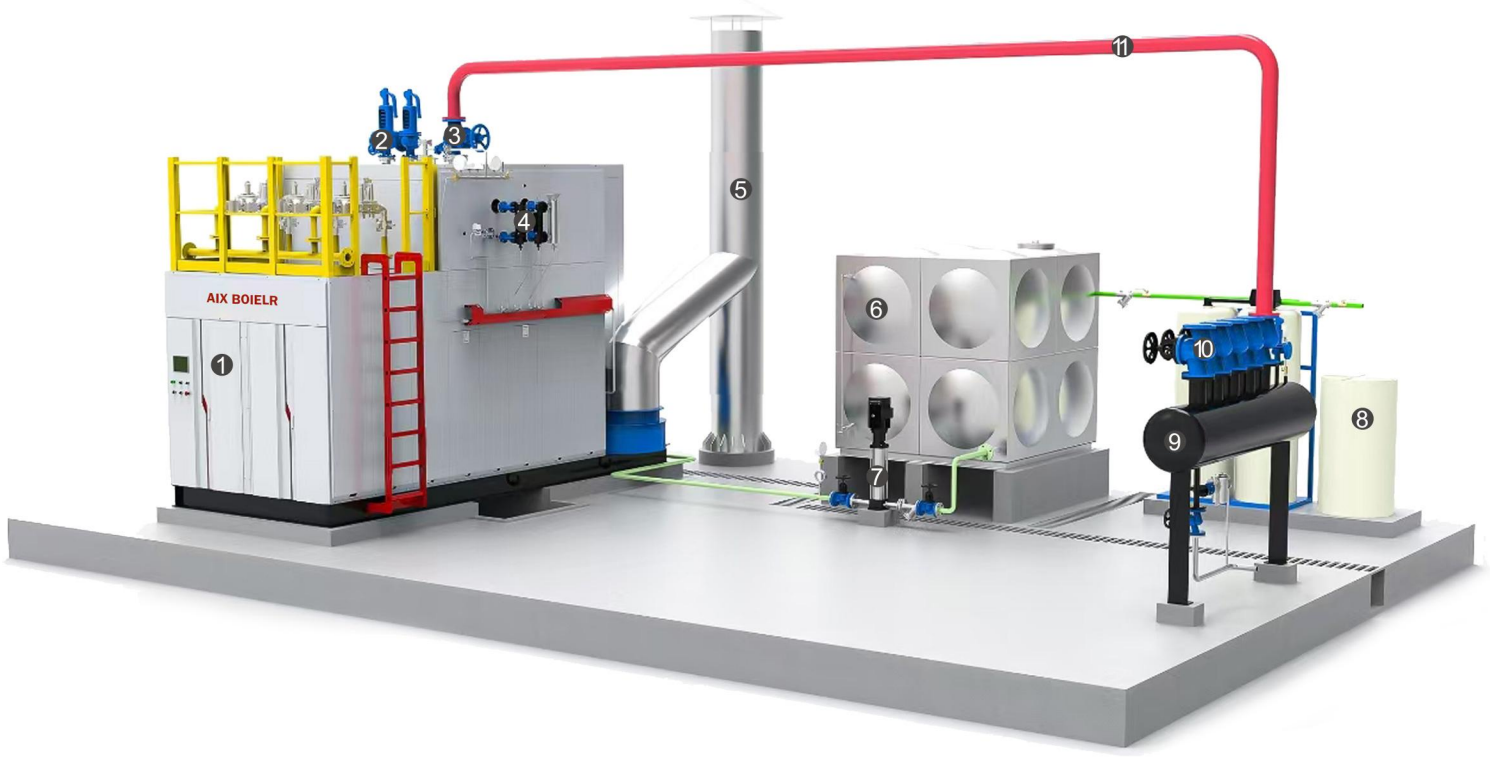
The fully premixed surface combustion technology utilizes surface combustion heat radiation to save energy, and high temperatures immediately generate steam from water. The power of the continuously variable speed heating technology is adjustable, and the output of the burner can be automatically adjusted according to the end load, so that the machine can work in the best state. Reasonable allocation, small equipment size, and distributed installation capability.

水管道
Water pipe

热水管道
Hot water pipe

天然气管道
Natural gas pipe

安全阀放散管道
Safety valve relief pipe



设备名称 Equipment Name

❶	锅炉主机	Boiler host	
❷	安全阀	Safety valve	
❸	主汽阀	Main steam valve	
❹	液位计	Liquid level meter	
❺	烟囱	Chimney	
❻	软化水箱	Soft water tank	
❼	给水泵	Feed pump	
❽	软化水设备	Water softening equipment	
❾	分汽缸	Steam manifold	
❿	蒸汽阀门	Steam valve	
⓫	蒸汽管道	Steam pipeline	

性能特点
Performance characteristics

热损失小、能耗低，较传统燃气锅炉节能 30% 以上，升温速度快，蒸汽温度从 120° 到 180° 可任意调节。

Small heat loss, low energy consumption, more than 30% energy saving compared to traditional gas boilers, fast heating speed, and adjustable steam temperature from 120 ° C to 180 ° C.

一键启动，无需多个模块同时启停，全智能管理，控温精准，无需常人值守；物联网程控技术，可实现智能控制，数据实时监控。

One click start, no need for multiple modules to start and stop simultaneously, fully intelligent management, precise temperature control, no need for human supervision; IoT program control technology can achieve intelligent control and real-time data monitoring.

环保达标，低于《关于在全市重点控制区域执行大气污染物排放控制值的通告》标准，低于 30mg/m^3

Environmental compliance standard, below the standard of "Notice on Implementing Air Pollutant Emission Control Values in Key Control Areas of the City", below 30mg/m3

高效冷凝翅片采用 304L 不锈钢，耐腐蚀，抗氧化，超长使用寿命。

The high-efficiency condensing fins are made of 304L stainless steel, which is corrosion-resistant, anti-oxidation, and has a long service life.

电磁感应使水分子自身高速运动摩擦生热，热转化效率极高（通常可达 96%-99% 甚至更高）

Electromagnetic induction causes water molecules to move at high speeds and generate heat through friction, resulting in extremely high thermal conversion efficiency (usually up to 96% -99% or even higher)

相比同等功率的电加热锅炉，艾克斯锅炉通常可节能 15%-30% 甚至更多，长期运行的电费节省非常可观。

Compared to electric heating boilers of the same power, Aix boilers can typically save 15% -30% or even more energy, resulting in significant long-term electricity savings.

占地面积仅为传统锅炉的 1/5，单人即可移动；热效率 100.05%；与同类产品节能 40%。

The footprint is only 1/5 of traditional boilers, and one person can move it; Thermal efficiency 100.05%; 40% energy-saving compared to similar products.

无极变速调节：无需重复启停，根据末端压力调节可精确到 0.01MPa，可不断产出蒸汽（20%-100%）

Infinite variable speed regulation: No need for repeated start stop, can be accurately adjusted to 0.01MPa according to the end pressure, and can continuously produce steam (20% -100%)

运行稳定：运行中无散热，无噪音；高温回水支持温度 ≤120℃。

Stable operation: No heat dissipation or noise during operation; High temperature return water supports a temperature of ≤ 120 ℃.

选配美国 FASCO 风机，德国冬斯电磁阀组高端配置质量保证更加耐用。

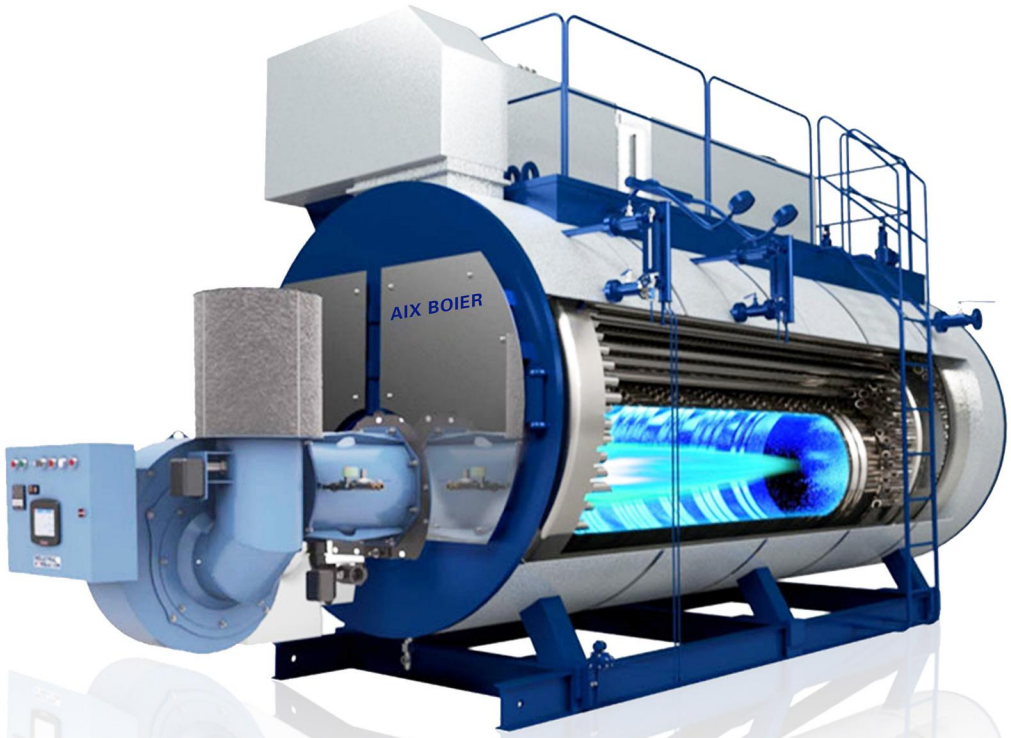
Optional FASCO fan from the United States and high-end configuration of German Dongsi solenoid valve group ensure more durability.

分项 Itemize	项 目 Project	描 述 Describe	备 注 Notes
锅炉本体材料及有关技术参数 Boiler body materials and related technical parameters	型号 Model	LSS1-1.25-Q	国际通用为 1 吨蒸汽 1 ton steam
	锅炉型式 Boiler type	立式贯流 Vertical cross flow	
	额定蒸发量 Rated evaporation	1t/h	
	额定压力 Rated pressure	1.25Mpa	
	额定热效率 Rated thermal efficiency	98-101%	
	额定燃气消耗量 Rated gas consumption	72.8NM^3/h	天然气 LNG
	外形尺寸（mm） Size（mm）	2000*1500*2200	压力开关高度 200mm Pressure switch height 200mm.
	蒸发器容积 Evaporator volume	29.8L	汽水几何容积 geometric volume
	本体重量 Weight	1010KG	
	炉体材质 Furnace material	标准锅炉钢 3.2mm+304 翅片 Standard boiler steel 3.2mm+304 fins	
	炉体焊接方式 Weld	全氩弧 Full argon arc	
	冷凝器材质 Condenser material	304L 不锈钢 304L stainless steel	
	冷凝器循环管 Condenser circulation pipe	DN25	
	烟囱直径 Diameter of the chimney	Φ200	
	容水量 water capacity	29.8L（免监检）	
	燃烧机 burner	全预混表面燃烧 Total premixed surface combustion	
	燃烧机阀组 Combustion machine valve	西门子 Siemens	
	氮氧化物（NOx）	<30Mg	
	蒸汽口/安全阀 Steam outlet / Safety valve	DN40	
	燃气进气口径 Gas intake pipe diameter	DN40	
	燃气压力（动压 KPa） Gas pressure (kinetic pressure in KPa)	5-8	
	补水口径 Inlet water diameter	DN25	

注：1、燃料消耗中，低位发热值，天然气按 8500Kcal/Nm3/h。
Note: 1. In terms of fuel consumption, the low heating value is 8500Kcal/Nm3/h for natural gas.

2、水质要求：电导率小于 20us/cm。
2. Water quality requirement: conductivity less than 20us/cm.

WNS 超低氮燃气蒸汽锅炉
WNS Low nitrogen gas steam boiler



艾克斯WNS型超低氮燃气锅炉是采用先进工艺生产的锅壳式三回程湿背燃气锅炉，由锅炉本体、连接烟道、除氧泵、除氧器、燃烧器、汽水系统、仪表、节能器等组成。与旧式锅炉相比，它最突出的特点是低氮(锅炉的运行过程中，氮氧化物排放量大大减少，可达30mg/m3以下，符合国家的政策要求)。再加上此锅炉具有结构紧凑、外形美观、操作简单、运行安全可靠等特点，现已被广泛地应用于各行各业。

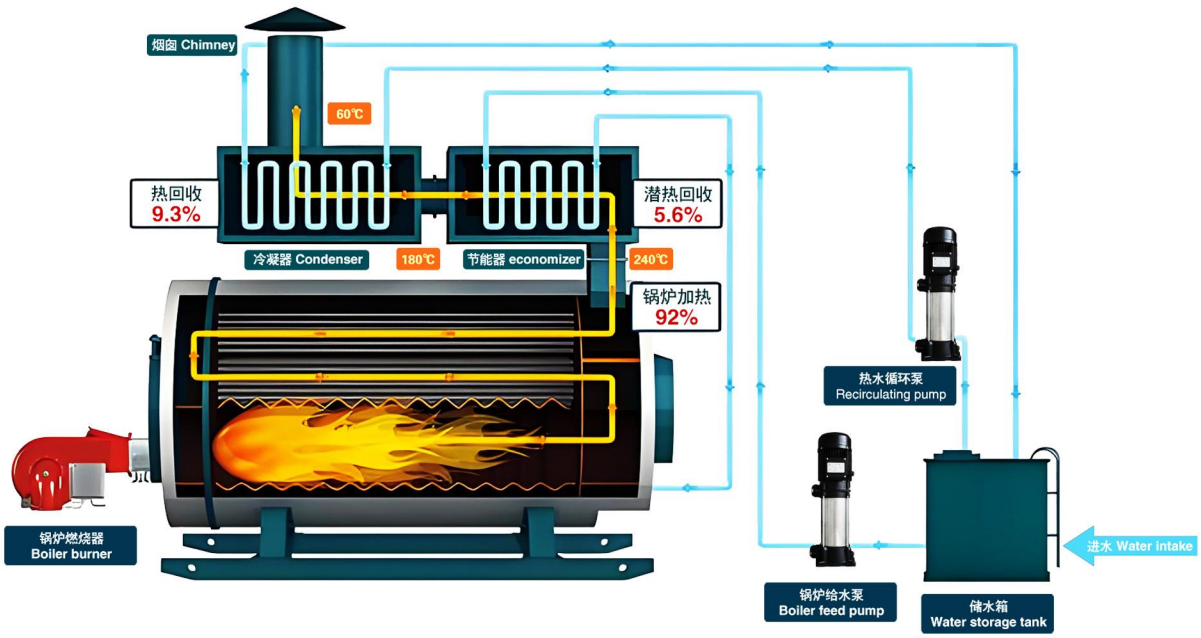
本产品是卧式内燃燃油(气)快装锅炉，采用湿背式结构。波形炉胆及回燃室为第一回程，第二、三回程为烟管，锅炉上部布置节能器。锅炉配备有完善的全自动控制装置和安全保护装置；具有高、低水位报警和低水位连锁保护功能；锅炉自动点火、燃烧器火力自动调节和熄火保护，保证锅炉的安全运行。该产品的设计燃料为轻油或天然气；燃料从燃烧器喷出，被电子点火棒点燃，在炉胆内微正压燃烧，燃烬后的高温烟气由回燃室转弯180° 进入第二、三回程烟管，由后烟箱上部转弯180° 进入节能器换热后通过烟肉排入大气。

WNS ultra-low nitrogen gas fired boiler adopts advanced shell type & three-returns wet-back structure, which consists of boiler body, connecting flue, deaerator pump, deaerator, burner, steam-water system, instruments, economizer, etc. Its most prominent feature is low nitrogen, the nitrogen oxide emissions is under 30mg/m^3 during boiler operation. With the characteristics of compact structure, beautiful outlook, simple operation, safe and reliable operation, it has been widely used in many different industries.

It is a horizontal internal combustion oil (gas) fast loading boiler with wet back structure. The first return is made of the corrugated furnace and the backfire chamber, the second and third return are smoke pipes, and equipped with economizer on the top of boiler. Equipped with complete automatic control device and safety protection device, which has high and low water level alarm and low water level interlocking protection functions; Automatic boiler ignition, automatic adjustment of burner fire power and flameout protection ensure the safe operation of the boiler. The design fuel of boiler is light oil or natural gas; the fuel is ejected from the burner, ignited by the electronic ignition rod, and burned with slight positive pressure in the furnace liner. After full combustion, the high-temperature flue gas enters the second and third return flue gas pipes by turning 180 °from the combustion chamber, and enters the economizer by turning 180 ° from the upper part of the rear flue gas box for heat exchange, then discharge into the atmosphere through the chimney.

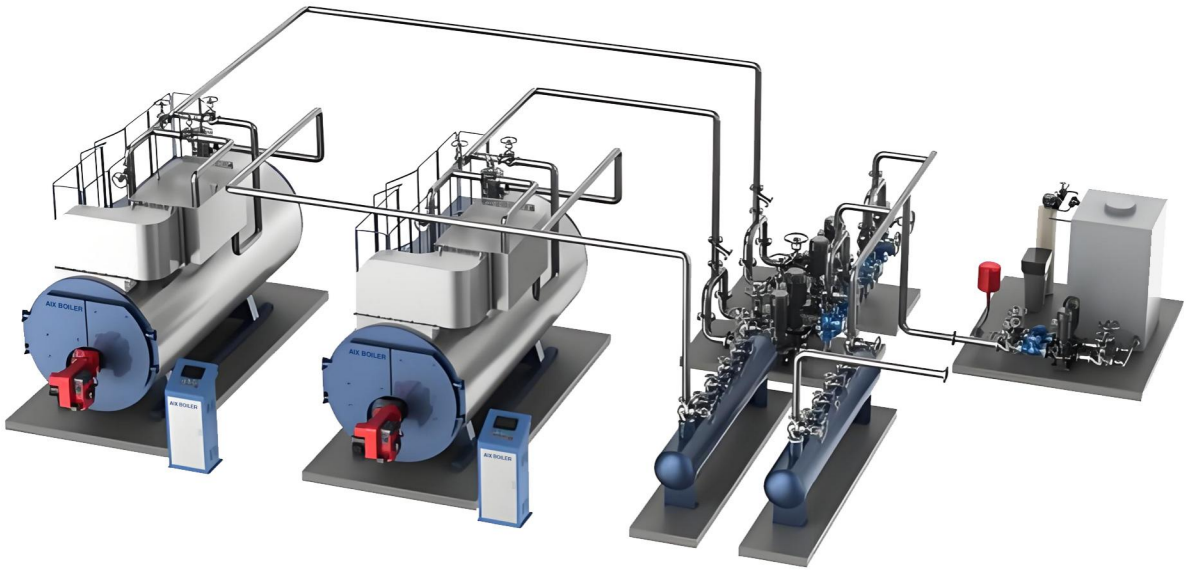
WNS冷凝一体式蒸汽锅炉加热流程 AIX BOILER

HEATING PROCESS OF WNS CONDENSING INTEGRATED STEAM BOILER



多台锅炉并组安装结构形式 AIX BOILER

MULTIPLE BOILERS COMBINED AND INSTALLED IN A STRUCTURE



性能特点
Performance characteristics

采用硅酸铝纤维板作为保温材料，其保温性能好、重量轻，方便运输和安装。

Adopted aluminum silicate fiberboard as heat preservation material, with good heat preservation performance, light weight and convenient transportation and installation.

前、后烟箱采用整体式对开门结构，美观大方，性能优越，检修时开启轻便，密封性良好。

The front and rear smoke boxes adopt the integral opposite door structure, which is beautiful and elegant, with superior performance, sealed well, and opened easily during maintenance.

炉顶布置节能器，节能器由40根 ϕ 32 × 3螺旋翅片管组成，大大增加受热面，降低锅炉排烟温度。

Equipped with economizer on the top of boiler. The economizer is composed of 40pcsφ32×3 spiral finned tubes, which greatly increases the heating surface and reduces the exhaust gas temperature of the boiler.

采用原装进口燃烧器，自动化程度高，从预吹扫、点火、火力自动转换到自动停炉及熄火保护，均可实现全自动控制。

Adopted original imported burner with high automation. Realized full automatic control of pre-purge, ignition, automatic conversion of fire power, automatic boiler shutdown and flameout protection.

锅炉配备完善的全自动控制装置和安全保护装置，具有高低水位报警和低水位连锁保护功能。锅炉自动点火、燃烧器火力自动调节和熄火保护，保证锅炉的安全运行。

Equipped with complete automatic control device and safety protection device, with high and low water level alarm and low water level interlock protection function. Boiler automatic ignition, burner fire automatic regulation and flameout protection, to ensure the s afe operation of the boiler.

锅炉上部设有人孔装置，下部设有检查装置，便于维护和保养。

Equipped with manhole device on upper part and inspection device on lower part of boiler, easy maintenance.

配备有水位计、水位控制报警器、压力表、压力控制器以及气路、水路流量计，充分满足监视及控制要求，安全性一流。

Equipped with water level gauge, water level control alarm, pressure gauge, pressure controller and gas and water flow meters, fully meet the monitoring and control requirements, with first-class safety.

应用FGR烟气再循环技术，有效降低氮氧化物含量，使其氮氧化物排放达到30mg/m^3以下，远远低于国家规定标准。

The application of FGR flue gas recycling technology effectively reduce the content of nitrogen oxides and make the emission of nitrogen oxides below 30mg / m^3, which is far lower than the national standard.

蒸汽锅炉 Steam Boiler

型号规格 Model 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 (℃)	锅炉热效率 Nitrogen Oxides (mg/m^3)	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)
WNS1-1.25-YQ	1	1.0	184	95.5	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.	5500	3300x1800x2200
WNS2-1.25-YQ	2			95.6 / 96.1		7500	4000x2000x2950
WNS3-1.25-YQ	3			95.8 / 96		8000	4350x2200x2600
WNS4-1.25-YQ	4			96 / 96.1		10000	4800x2300x2800
WNS6-1.25-YQ	6	1.25	194	95.8 / 96		14000	5400x2500x2950
WNS8-1.25-YQ	8	1.6	204	95.5 / 96.1		20226	6955x2480x2986
WNS10-1.25-YQ	10	2.5	225	95.7 / 96.2		21500	6300x2700x3200
WNS12-1.25-YQ	12			96 / 96.1		23000	6700x2700x3200
WNS15-1.25-YQ	15			95.9 / 96.4		27700	7365x3200x3508
WNS20-1.25-YQ	20			96.1 / 96.5		30000	8050x3750x3960

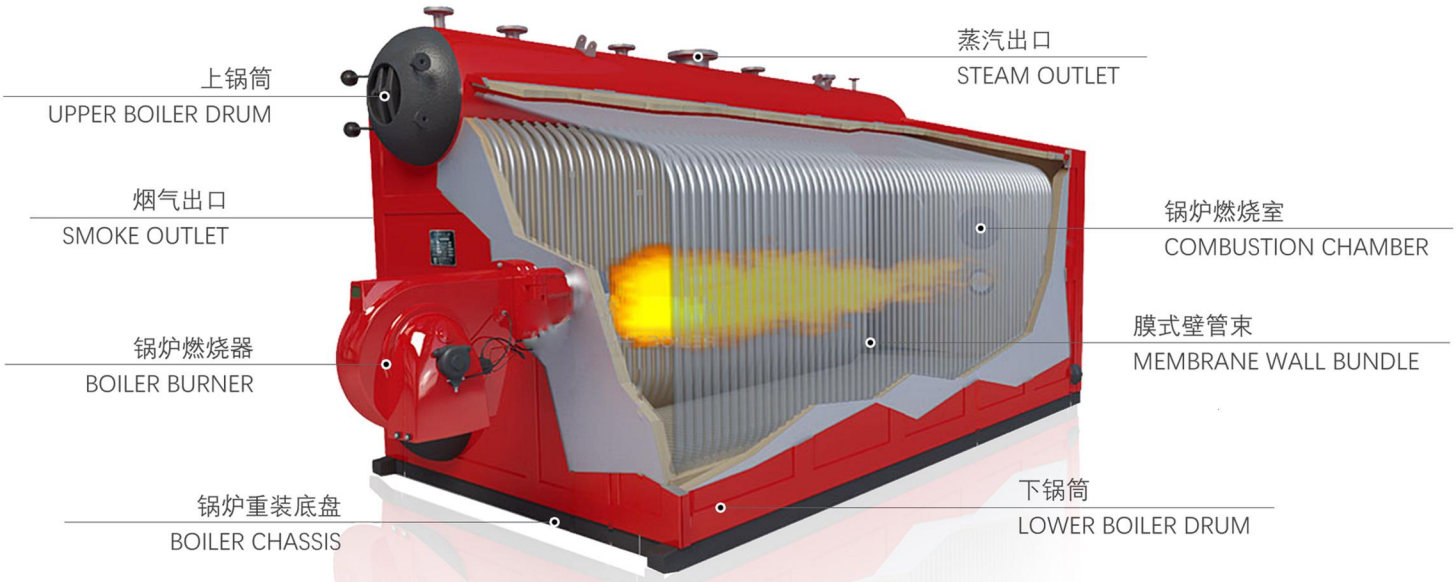
承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model 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 (℃)	锅炉热效率 Nitrogen Oxides (mg/m^3)	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)
WNS0.7-0.7/95/70-YQ	0.7	0.7	95/70	95.4 / 96.1	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.	7000	3400x1500x1860
WNS1.4-0.7/95/70-YQ	1.4					7200	4450x2000x2450
WNS2.1-1.0/95/70-YQ	2.1	1.0	115/70			7200	4100x2000x2450
WNS2.8-1.0/95/70-YQ	2.8					8000	5000x2050x2500
WNS3.5-1.0/95/70-YQ	3.5					14900	5300x2400x2700
WNS4.2-1.0/95/70-YQ	4.2					18600	5300x2380x2650
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 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 (℃)	锅炉热效率 Nitrogen Oxides (mg/m^3)	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)
CWNS0.7-95/70-YQ	0.7	0	85/60 95/70	96%	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.	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

SZS 燃气锅炉
SZS Gas boiler



SZS型燃油燃气锅炉是双锅筒纵置式室燃锅炉，由上下锅筒、膜式水冷壁、燃烧器、过热器、对流管束、冷凝器、除污器等组成。炉膛水冷壁以及对流烟道均采用膜式壁结构，降低了耐火砖的使用。再加上锅炉具有节能、高效、环保、安装周期短、全自动运行、操作简单、保护功能完善等优势，既可以满足工业供热所需，也可以满足小型发电站的供热需求，是目前市场上非常畅销的一款锅炉。

此锅炉为快组装或散装水管锅炉，左侧为对流管束，右侧为炉膛。加热过程中，炉膛燃烧产生的烟气从炉膛尾部的出烟口进入燃烬室、对流管束区，然后再转向由翅片管做成的节能器和冷凝器中，最后再通过烟道、烟囱排入大气。其中，节能器和冷凝器的应用，既降低了排烟温度，提高了热效率，同时也减少了燃料的消耗。

SZS gas/oil double-drum horizontal type chamber combustion boiler, which consists of upper and lower drums, membrane water wall, burner, superheater, convection pipe bundle, condenser and dirt separator, etc. Its furnace water wall and convection flue adopts membrane wall structure, saving refractory bricks. In addition, with the advantages of energy-saving, high efficient, environmentally friendly, short installation cycle, simple operation and perfect protection, etc, it can meet the needs of industrial heating and small power station supply heating, now becoming one popular boiler type on the market.

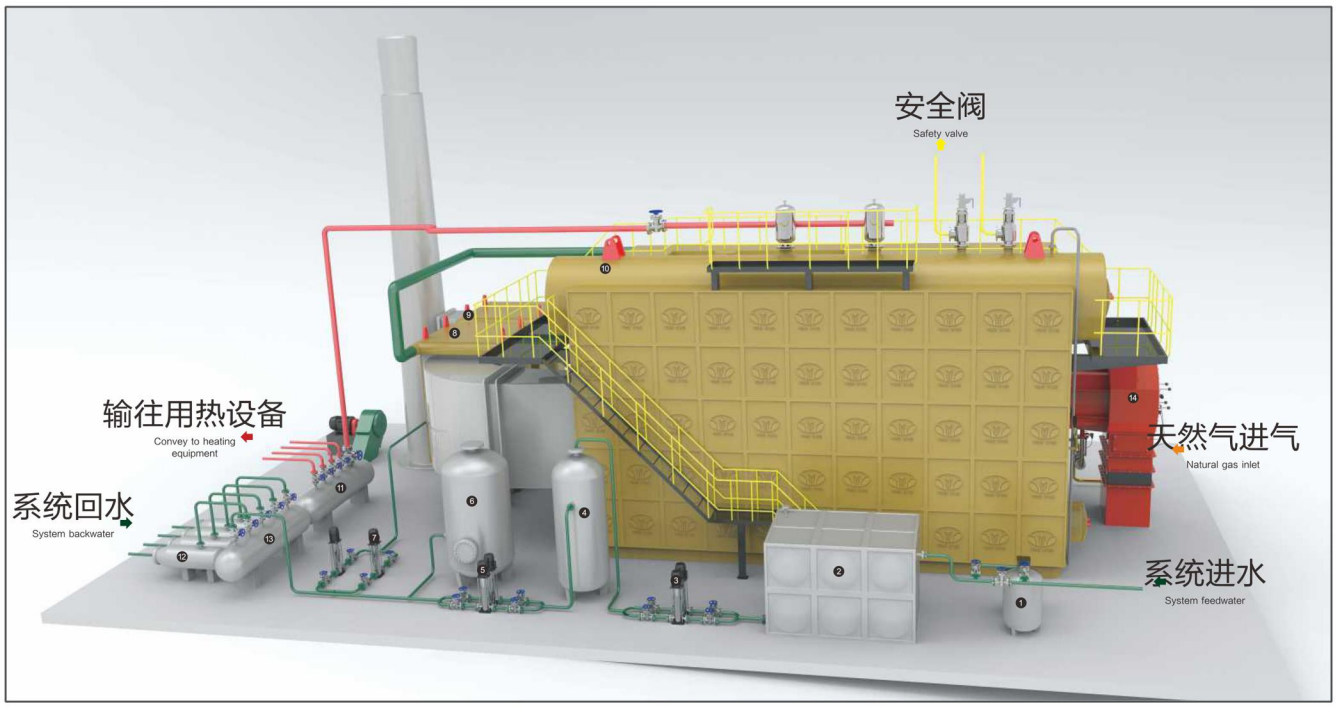
It is quick-assembled or bulk water tube boiler with convection tube bundle on the left and chamber on the right. During the heating process, the flue gas which is produced by the chamber combustion, enters to burning chamber and convection pipe bundle from smoke outlet of end of furnace, then turns to the economizer and condenser which made by finned tubes, and finally discharges into the air through he flue and chimney. The application of the economizer and condenser reduces the exhaust gas temperature and improves the thermal efficiency, reducing fuel consumption.

水管道
Water pipe

热水管道
Hot water pipe

天然气管道
Natural gas pipe

安全阀放散管道
Safety valve relief pipe



❶ 软水器 Softener
❷ 水箱 Water tank
❸ 除氧泵 Deaerator pump
❹ 解吸除氧器 Deaerator
❺ 补水泵 Feedwater Pump
❻ 膨胀器 Expander
❼ 循环泵 Circulating pump
❽ 节能器 Economizer
❾ 冷凝器 Condenser
❿ 锅炉 Boiler
⓫ 分水缸 Water distributor
⓬ 除污器 Dirt sepatator
⓭ 回水缸 Backwater tank
⓮ 燃烧器 Burner

性能特点
Performance characteristics

双锅筒、纵置式、D型布置的自然循环型结构，容量大。

Natural circulation structure with double drum, vertical type and D-type layout, with large capacity.

保温层主要为硅酸铝纤维，具有保温性能好、重量轻等优点。

The insulation layer is mainly aluminum silicate fiber, which has the advantages of good insulation performance and light weight.

锅炉尾部配置节能器，有效降低排烟温度，提高节能效果。

The boiler tail is equipped with economizer to effectively reduce the exhaust gas temperature and improve the energy saving effect.

锅炉尾部设置防爆门，有效确保锅炉的安全性。

Equipped with explosion-proof door in boiler tail to effectively ensure the safety of the boiler.

燃烧器采用意大利百得进口燃烧器，自动化程度高，从预吹扫、点火、火力自动转换到自动停炉及熄火保护，均可实现全自动控制。

Adopted original imported Italy Baltur burner with high automation. Realized full automatic control of pre-purge, ignition, automatic conversion of fire power, automatic boiler shutdown and flameout protection.

自控系统采用可编程序控制，具备较完善的控制功能，包括：给水自动控制、燃烧的自动调节、油温自动控制（油燃料）、蒸汽超压保护、气压高低保护（气体燃料）、检漏（气体燃料）、前后吹扫、熄火保护以及相应的联锁及安全保护等。

The automatic control system adopts programmable control, with relatively perfect control functions, including: automatic control of water supply, automatic adjustment of combustion, automatic control of oil temperature (oil fuel), steam overpressure protection, high and low pressure protection (gas fuel), leakage detection (gas fuel), front and rear purging, flameout protection, corresponding interlocking and safety protection, etc.

配备有水位计、水位控制报警器、压力表、电接点压力表、压力控制器以及气路、水路流量计；具有高、低水位报警和低水位联锁保护、超压报警及超压联锁保护功能，可以有效地监视、控制水位及压力。

Equipped with water level gauge, water level control alarm, pressure gauge, electric contact pressure gauge, pressure controller and gas and water flow meters, with high and low water level alarm, low water level interlock protection, over-pressure alarm and over-pressure interlock protection functions, effectively monitor and control water level and pressure.

前后墙全部采用膜式水冷壁结构，有效延长使用寿命。

Adopted Membrane water-cooled wall structure of front and rear walls, effectively extending service life.

蒸汽锅炉 Steam Boiler

型号规格 Model 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 (℃)	热效率 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)
SZS6-1.25-YQ	6	1.25 1.6 2.5 3.82	194 204 225 245	96-98	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.	32000	7800X3400X3400
SZS8-1.25-YQ	8					32000	7800X3400X3400
SZS10-1.25-YQ	10					32000	7800X3400X3400
SZS20-1.25-YQ	20					40000	8000X3600X4500
SZS30-1.25-YQ	30					40000	8000X3600X4500
SZS40-1.25-YQ	40					40000	8000X3600X4500
SZS50-1.25-YQ	50					51000	8900X3900X4000
SZS65-1.25-YQ	65					68200	10500X4300X4320
SZS75-1.25-YQ	75					80500	12330X4400X4530
SZS100-1.25-YQ	100					以图纸为准	以图纸为准
SZS110-1.25-YQ	110						
SZS150-1.25-YQ	150						

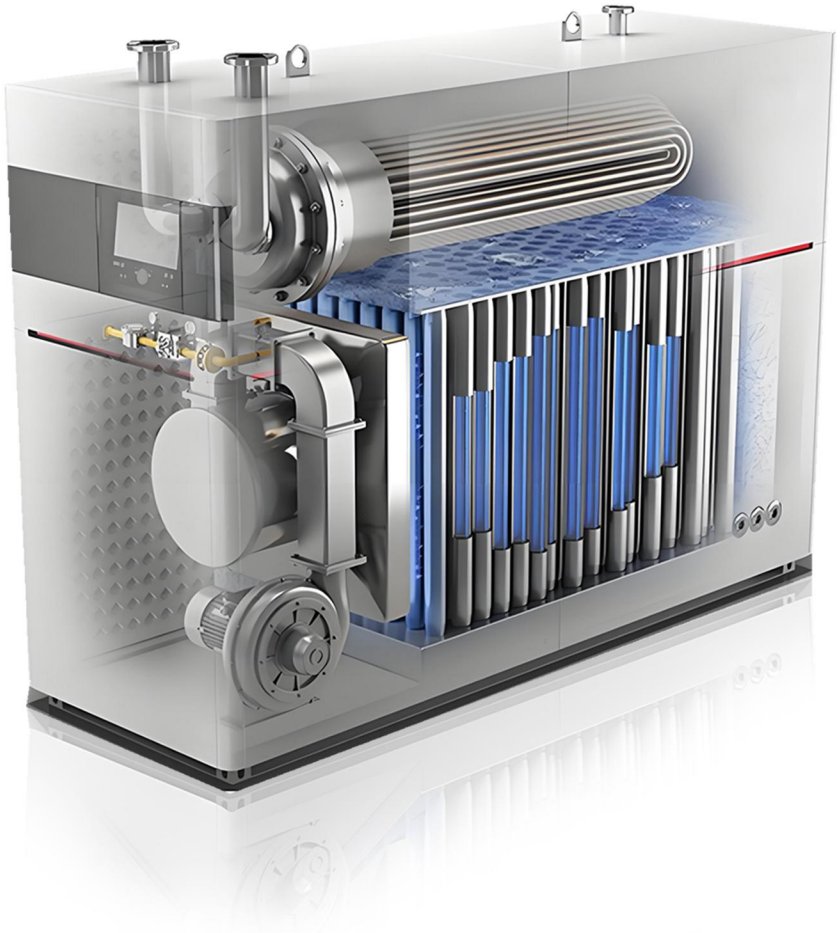
承压热水锅炉 Pressure Bearing Hot Water Boiler

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 (℃)	热效率 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)
SZS7-1.0/115/70-YQ	7	1.0	115/70	96-98	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.	40000	8000X3600X4500
SZS10.5-1.0/115/70-YQ	10.5					48000	8850X3850X3930
SZS14-1.0/115/70-YQ	14					52500	8510X3850X3750
SZS17.5-1.0/115/70-YQ	17.5					57500	9310X3770X3750
SZS21-1.0/115/70-YQ	21					65000	10100X4130X4150
SZS24. 5-1.0/115/70-YQ	24. 5					以图纸为准	以图纸为准
SZS28-1.0/115/70-YQ	28						
SZS31. 5-1.0/115/70-YQ	31. 5						
SZS35-1.0/115/70-YQ	35						

过热蒸汽锅炉 Super Steam Boiler

型号规格 Model unit	额定蒸发量 Rated Steam Capacity (t/h)	额定工作压力 Rated Working Pressure (MPa)	额定蒸汽温度 Rated Steam Temperature (℃)	热效率 Heat Efficiency (%)	设计燃料 Design Fuel
SZS-6-2.5-YQ	6	1.6 2.5 3.82	350 400 450 500	>96	天然气 轻油 重油等 Natural Gas, Light Oil, Heavy Oil, etc.
SZS-10-2.5-YQ	10				
SZS-15-2.5-YQ	15				
SZS-20-2.5-YQ	20				
SZS-25-2.5-YQ	25				
SZS-30-2.5-YQ	30				
SZS-35-2.5-YQ	35				
SZS-40-2.5-YQ	40				
SZS-50-2.5-YQ	50				

31 ZZJ/ZLJ 燃油气真空热水锅炉 ZZJ/ZLJ Condensing vacuum hot water boiler



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，在传热管和热交换器之间进行热量的传递。因此锅炉具有安装、保养方便、环保节能等特点，而在市场上广为流行。

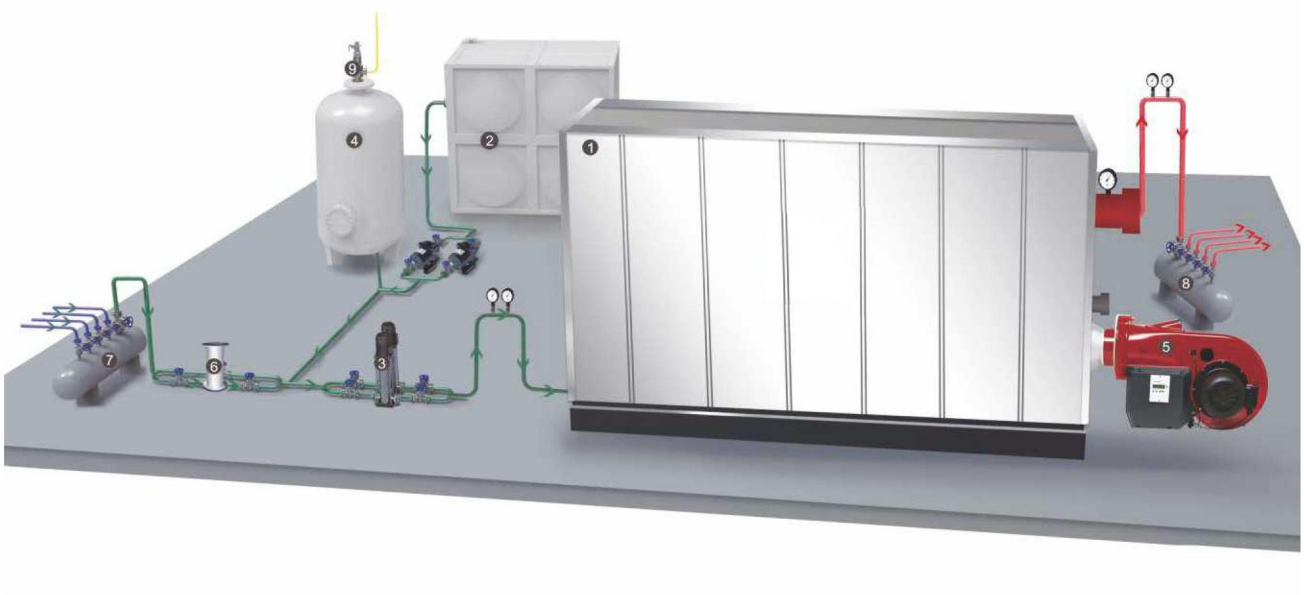
真空热水锅炉和其他普通锅炉一样，下部都是由燃烧室和传热管组成，唯一不同的是，真空热水锅炉的上部为真空汽室，其中插入了U型管或直型管热交换器。它是在负压状态下运行的，绝对安全。同时，它还可以一机多用，可以同一时段为客户提供不同温度、不同用途的热水，满足客户多种需要，减少客户锅炉成本的投入。

Vacuum hot water boiler forms a closed vacuum environment inside by pre-vacuume, then filling heat medium 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, the heat medium water is only enclosed in the vacuum chamber, and heat is transferred between the heat transfer tubes and the heat exchanger. Therefore, the boiler has the characteristics of convenient installation, maintenance, environmental protection and energy saving, and is widely popular in the market.

Same with other common boilers, the lower part of vacuum hot water boiler 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, so absolutely safe. It can also be used in many ways, such as providing customers with different temperatures and different usage of hot water at the same time, meeting various needs of customers and reduce the cost of boiler.

出水管道
Outlet Pipeline

回水管道
Inlet Pipeline



设备名称 Equipment Name

❶ 锅炉 Boiler
❷ 水箱 Water Tank
❸ 节能器 Economizer
❹ 冷凝器 Condenser
❺ 膨胀器 Expander
❻ 循环泵 Circulation Pump
❼ 补水泵 Water Filling Pump
❽ 燃烧器 Burner
❾ 软水器 Water Softener
❿ 分水缸 Water Separating Header
⓫ 除污器 Dirt Separator
⓬ 回水缸 Water Return Header

性能特点
Performance characteristics

独特的脉冲水位检测电路结构，性能可靠。

Unique pulse water level detection with reliable performance.

换热器采用优质的304不锈钢制作，耐腐蚀。

The heat exchanger is made of high quality 304 stainless steel with corrosion resistance.

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。

The boiler boiler can be equipped with multiple heat exchangers to supply hot water of different temperatures and uses.

真空热水锅炉结构紧凑，体积小，节约占地面积。

The vacuum hot water boiler has compact structure and small volume, saving floor space.

热煤水在封闭的空间进行循环，损耗小。

Hot water is circulated in a closed space with low loss.

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。

Adopted advanced controller, which can automatically detect the temperature of boiler water and outlet water.

真空热水锅炉采用两回程结构、真空负压，内置换热器结构，摒弃了传统耐火隔热材料，降低了机组前烟室温度。

Adopted two-return structure, vacuum negative pressure and internal heat exchanger structure, vacuum hot water boiler eliminates the traditional refractory insulation material, reducing the temperature of the front chamber.

热煤水是经软化、除污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。

Hot water is high-purity water specially treated by softening, decontaminating, etc. Therefore, the inside of the vacuum hot water boiler does not scale or corrode, increasing the service life.

ZZJ型冷凝真空热水锅炉 ZZJ Condensing Vacuum Hot Water Boiler

型号规格 Model 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型冷凝真空热水锅炉 ZLJ Condensing Vacuum Hot Water Boiler

型号规格 Model 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

YY(Q)W 燃油（气）导热油锅炉
YY (Q) W Thermal Oil Boiler

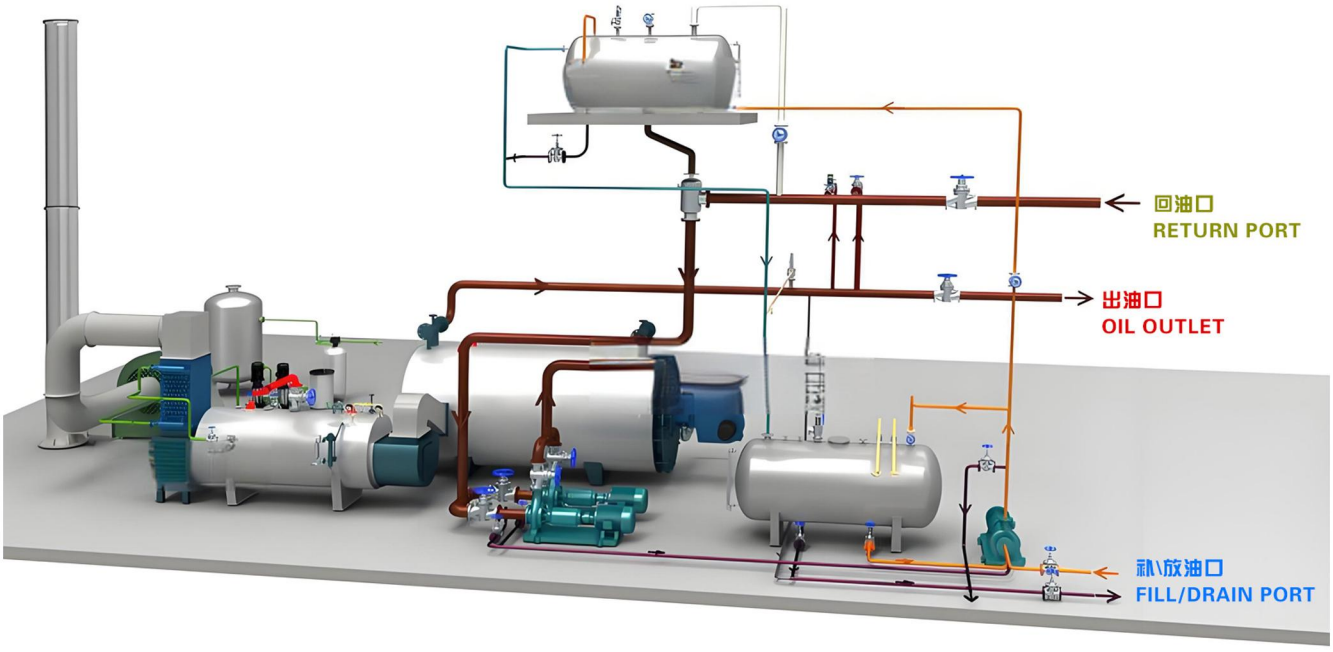


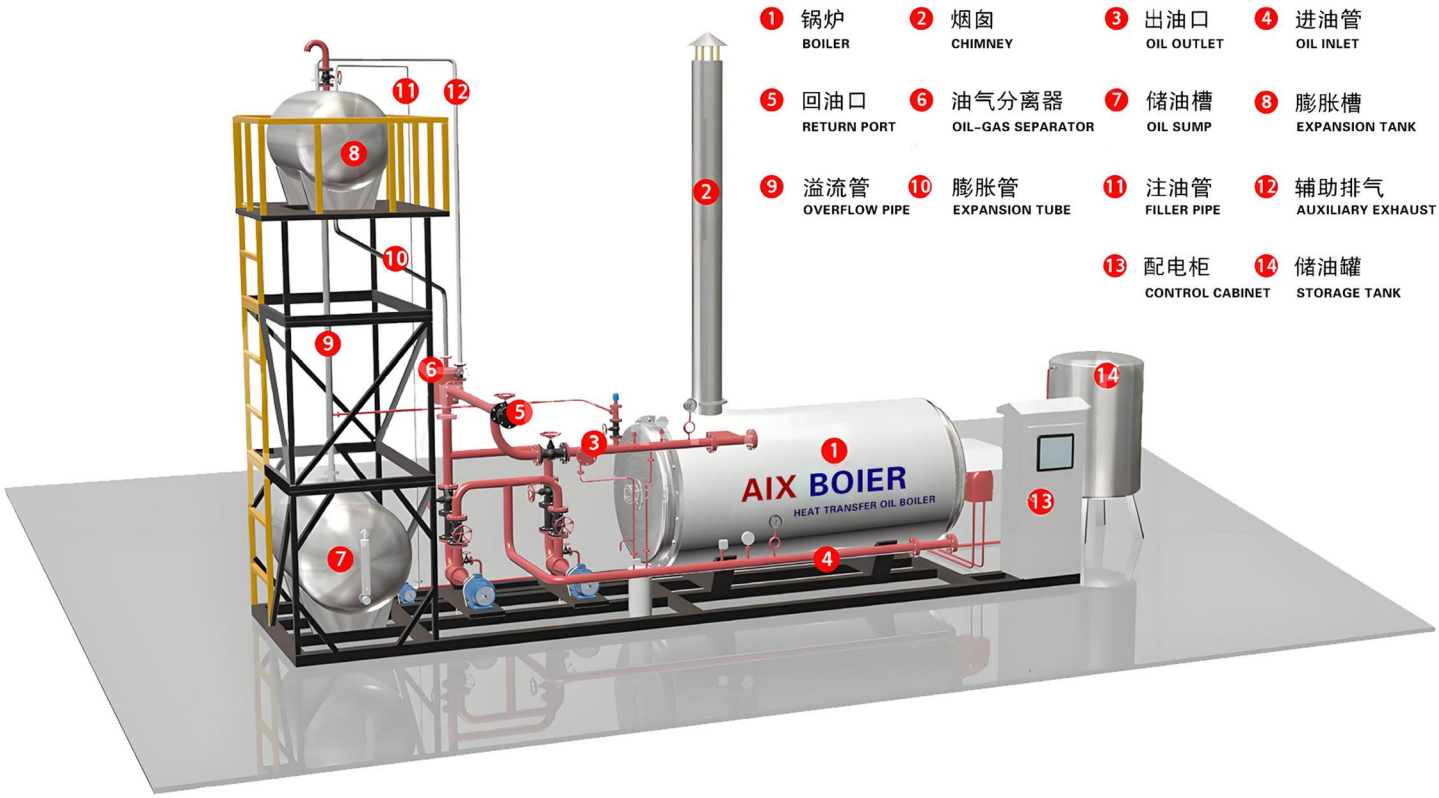
YY(Q)W型燃油燃气导热油炉是一种新型的供热设备，以油或气做燃料，以导热油为传导介质，利用循环油泵，强制导热油进行液相循环，将热能输送给用热设备后再返回加热炉重新加热，具有低压、高温的工作特性。另外，它还可以根据客户要求，同时输出两种或更多不同温度的导热油，因此，被广泛的应用于石油、化工、纺织、印染、塑料、食品等行业，并得到广大客户的一致信赖与认可。

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 gas and oil thermal oil heater 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 pressure and high temperature. In addition, it can also discharge two or more heat conducting oils at different temperatures according to customers' 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 gas and oil thermal oil heater adopts horizontal three-way structure. The heating surface is with compact structure, 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 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. With high system utilization, convenient operation and maintenance, perfect control system, energy saving, environmental protection and safety, it is the first choice for present ideal heating supply equipment.





1 锅炉 BOILER
2 烟囱 CHIMNEY
3 出油口 OIL OUTLET
4 进油管 OIL INLET
5 回油口 RETURN PORT
6 油气分离器 OIL-GAS SEPARATOR
7 储油槽 OIL SUMP
8 膨胀槽 EXPANSION TANK
9 溢流管 OVERFLOW PIPE
10 膨胀管 EXPANSION TUBE
11 注油管 FILLER PIPE
12 辅助排气 AUXILIARY EXHAUST
13 配电柜 CONTROL CABINET
14 储油罐 STORAGE TANK

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。

Advanced control system to control the medium with high thermal efficiency and convenient maintenance.

锅炉结构紧凑，节约了占地面积。

With compact structure, saving the floor space.

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。

Integrated with automatic detection, control and linkage alarm. No need for special on duty for boiler operation can save manpower.

炉膛尺寸与燃烧的火焰相匹配，辐射换热率高。

High radiation heat transfer rate with matched furnace size and combustion fire.

加热系统简单，不需要水处理设备，减少了投资。

Simple heating system and less investment without water treatment.

采用盘管结构，受热面充足，热效率高。

With coil structure, sufficient heating surface and high thermal efficiency.

安装方便，只要本体和燃烧室合拢即可。

Easy installation, as long as the body and combustion chamber are closed.

锅炉尾部设置的有空气预热器，大大提高了锅炉的效率。

Air preheater at the end of the boiler greatly improves the efficiency of the boiler.

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。

Heating up to above 300 °C. General working pressure under 1MPa, making the boiler safe and reliable operation.

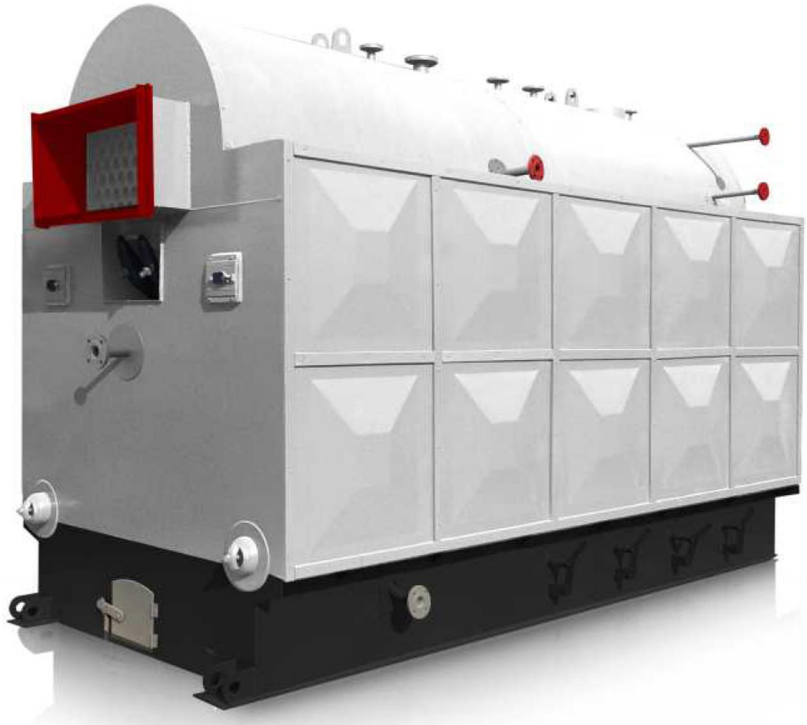
辐射盘管的直径、长度与配型燃烧器的火焰相适应，保证了盘管的可靠工作和充分冷却。

The 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.

YY(Q)W型燃油燃气导热油炉 YY(Q)W Oil /gas Fired Thermal Fluid Heater

型号 规格 Model unit	额定 热功率 Rated Heat Power (x10⁴kcal/h)	额定 工作压力 Rated Working Pressure (MPa)	最高 工作温度 Max Working Temperature (℃)	设计 效率 Designed Efficiency (%)	介质 循环量 Medium Circulation Rate (m³/h)	受热 面积 Heating Area (m²)	设计 燃料 Design Fuel	炉内 介质容量 Medium Volume in Furnace (m³)	最大 运输重量 Max Transport Weight (kg)	最大 运输尺寸 Max Transport Dimension(LxWxH) (mm)
YY(Q)W-240Y(Q)	20				16.6	19		0.12	2110	1800x1100x2200
YY(Q)W-350Y(Q)	30				28.1	23		0.25	2580	2100x1400x2450
YY(Q)W-500Y(Q)	40				32.5	35		0.31	3141	2710x1540x2230
YY(Q)W-700Y(Q)	60				45	39		0.36	4053	3130x1540x2230
YY(Q)W-1000Y(Q)	80				55	45		0.49	4382	3200x1800x2210
YY(Q)W-1200Y(Q)	100				64	56		0.61	5209	3400x2150x2200
YY(Q)W-1400Y(Q)	120				77	104		1.05	6400	4605x2070x2670
YY(Q)W-1900Y(Q)	160	0.8	300/320	94	82	109	油/气 Oil/Gas	1.4	9000	4490x1975x2600
YY(Q)W-2100Y(Q)	180	1.0			108	118		1.6	9156	4950x2000x2700
YY(Q)W-2400Y(Q)	200				128	129		1.8	10000	5300x2080x2750
YY(Q)W-3000Y(Q)	250				161	210		2.2	13000	5600x2170x2800
YY(Q)W-3500Y(Q)	300				225	244		2.75	14000	5800x2310x2850
YY(Q)W-4200Y(Q)	360				256	280		2.92	15000	6010x2800x2750
YY(Q)W-5000Y(Q)	400				290	310		3.05	16600	6600x2900x2860
YY(Q)W-6000Y(Q)	500				355	389		3.33	21550	7400x3100x3000
YY(Q)W-7000Y(Q)	600				408	469		3.69	28400	8000x3400x3150

DZH 生物质 (燃煤) 锅炉
DZH biomass (coal-fired) boiler



DZH型活动炉排生物质锅炉是一种单锅筒纵置式生物质锅炉，是我公司为响应环保政策而研发的新产品。它采用秸秆、锯末、花生壳等农作物废弃物加工制成的生物质颗粒为燃料，烟气的硫化物排放量较燃煤锅炉大大减少，符合国家环保的标准。更好的是农作物废弃物随处可见，不仅变废为宝，实现了能源的再利用，而且价格低廉，达到了社会效益和经济效益的双重统一。

此锅炉是一种卧式三回程水火管式锅炉，采用新型的炉障设计，最大程度的促进了燃料的燃烧，使热效率达到了83%。燃料燃烧后，烟气经受热面、省煤器、空气预热器等进入除尘器，最后再由烟肉排入大气。燃烧后的少量灰渣落入排渣口，作为农作物生长所需要的农家肥使用。

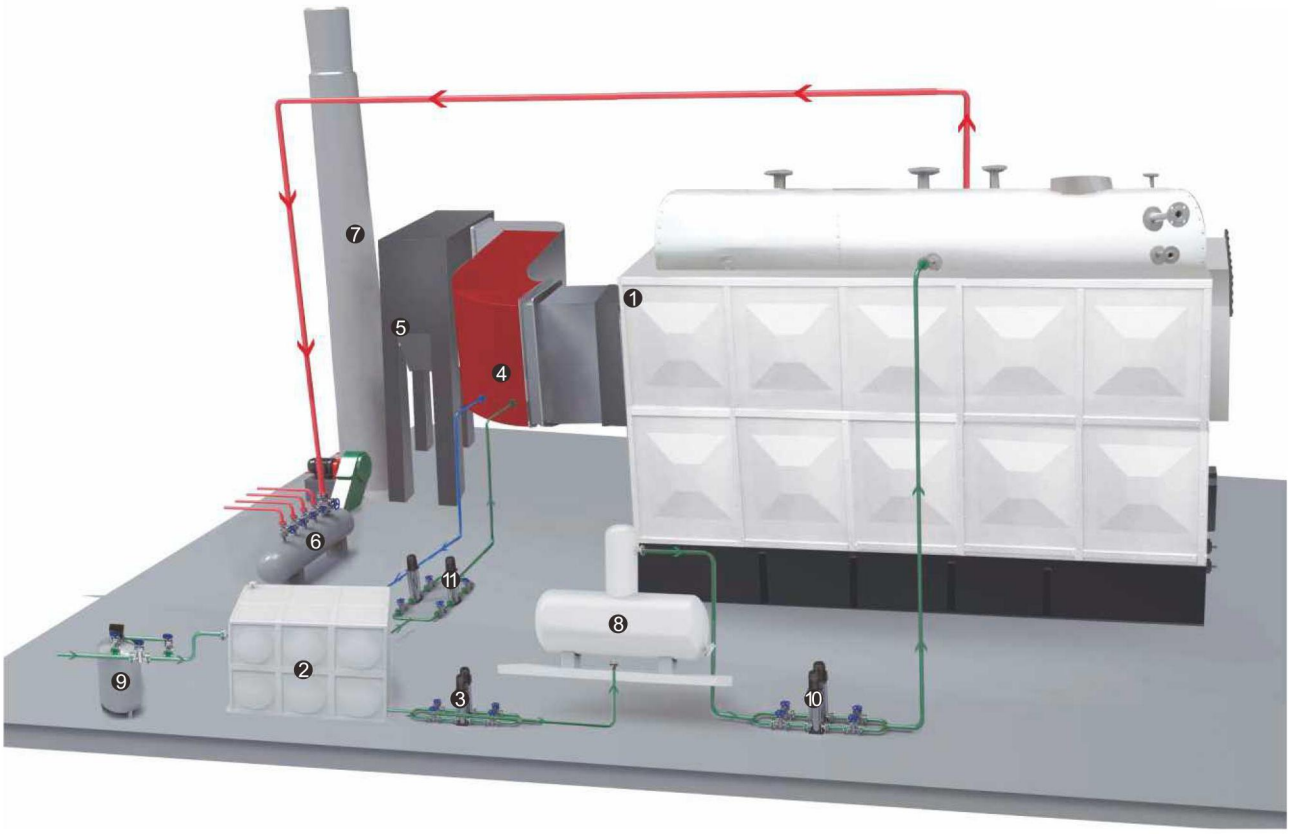
DZH series moving grate biomass fired boiler, which is developed by Yongxing in response to environmental protection policy, is a new single-drum horizontal type boiler. It uses biomass pellets processed from crop waste such as straw, sawdust and peanut shells as fuel. The emission of sulfide in flue gas is much less than that of coal-fired boiler, which meets the national environmental protection standards. The crop waste can be got everywhere, not only changing waste into treasure and realizing the reuse of energy, but also achieving the dual unity of social and economic benefits with low cost.

It is horizontal three-returns water-fire tube boiler with a new furnace design, which greatly promotes fuel combustion and achieve the thermal efficiency to 83%. After fuel combustion, the flue gas enters the dust remover through the hot surface, economizer, air preheater, etc., and finally is discharged into the atmosphere through the chimney. The remaining small amount of ash after burning falls into the slag discharge hole as farmyard fertilizer.

蒸汽管道 Steam Pipeline

补水管道 Water Supply Pipeline

循环水管道 Return Pipeline



设备名称 Equipment Name

❶ 锅炉 Boiler

❷ 水箱 Water Tank

❸ 除氧泵 Deaerator Pump

❹ 节能器 Economizer

❺ 旋风除尘器 Cyclone Dust Remover

❻ 分水缸 Water Separating Header

❼ 烟囱 Chimney

❽ 除氧器 Deaerator

❾ 软水器 Water Softener

❿ 给水泵 Feed Water Pump

⓫ 节能泵 Energy-Saving Pump

性能特点
Performance characteristics

采用拱型管板与螺纹烟管组成锅筒，使锅筒由准钢性体变为准弹性体结构，取消了管板区的拉撑件，减少了应力。管板内烟管由两回程改为单回程，解决了管板裂纹的难题。

Drum is made up of arched tubesheet and threaded smoke pipe, which makes the drum change from quasi steel to quasi elastic structure, cancels the brace in tubesheet area and reduces the stress. The smoke pipe in the tube sheet is changed from two return routes to one return route, which solves the problem of crack in the tube sheet.

锅筒下部由于布置了上升管排，消除了锅筒底部的死水区，使泥渣不易沉积，锅筒高温区能得到良好的冷却，预防了锅筒下部鼓包。

The arrangement of rising pipe row at the bottom of the drum eliminates the dead water area of the bottom of the drum, so that the sludge is not easy to deposit, the high temperature area of the drum can be well cooled, and the bulge at the bottom of the drum can be prevented.

采用高效传热螺纹烟管，获得了强化传热效果，达到锅炉升温、升压快的特点，提高了锅炉的热效率。

High-efficiency heat transfer threaded flue gas pipe is adopted to enhance the heat transfer effect, achieving the characteristics of fast temperature rise and pressure rise of the boiler and improving the thermal efficiency of the boiler.

结构紧凑，与同类型锅炉比较，外形尺寸小，节省锅炉房基建投资。

Compact structure, smaller size, saving infrastructure investment of boiler house.

运行稳定、调整方便、出力足。

Stable operation, convenient adjustment and sufficient output.

采用螺纹烟管强化传热，提高了传热系数和热效率，由于烟气在管内有扰动作用，烟管内不易积灰，可以起到自清扫的作用。

The heat transfer coefficient and thermal efficiency are improved by using threaded smoke pipe. Because the flue gas has the disturbance effect in the pipe, it is not easy to accumulate ash in the flue gas pipe, which plays the role of self cleaning.

炉膛内的八字墙、出口烟窗部分均有一定降尘作用，使锅炉的原始排尘浓度控制在标准以下，保证了锅炉烟尘排放达到国家环保规定的指标。

The splayed wall and outlet smoke window in the furnace have certain dust reduction effect. The original dust concentration of the boiler is controlled below the standard, which ensures that the smoke emission of the boiler meets the national environmental protection requirements.

蒸汽锅炉 Steam Boiler

型号规格 Model 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 (℃)	热效率 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)
DZH0.5-1.25-SCII	0.5	1.25	194	84.6	煤 生物质燃料 Coal Biomass Fuel	9000	3300x2000x2656
DZH1-1.25-SCII	1			84.34		13000	4500x1800x2800
DZH2-1.25-SCII	2			84.98		21000	4900x1900x3255
DZH3-1.25-SCII	3			84.99		23000	5200x2000x3300
DZH4-1.25-SCII	4			85.51		24500	5830x2150x3480
DZH6-1.25-SCII	6			85.37		26000	7740x3770x3440

承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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)
DZH0.35-1.0/115/70-SCII	0.35	1.0	115/70	84	煤 生物质燃料 Coal Biomass Fuel	9000	3300x2000x2656
DZH0.7-1.0/115/70-SCII	0.7					13000	4820x2150x2960
DZH1.4-1.0/115/70-SCII	1.4					25000	5280x2380x3030
DZH2.1-1.0/115/70-SCII	2.1					26000	5500x2420x3250
DZH2.8-1.0/115/70-SCII	2.8					28000	6000x2500x3400
DZH4.2-1.0/115/70-SCII	4.2					30000	7200x2600x3800

常压热水锅炉 Atmospheric Pressure Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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)
CDZH0.35-85/60-SCII	0.35	0	85/60	84	煤 生物质燃料 Coal Biomass Fuel	9000	3300x2000x2656
CDZH0.7-85/60-SCII	0.7					13000	4820x2150x2960
CDZH1.4-85/60-SCII	1.4					25000	5280x2380x3030
CDZH2.1-85/60-SCII	2.1					26000	5500x2420x3250
CDZH2.8-85/60-SCII	2.8					28000	6000x2500x3400
CDZH4.2-85/60-SCII	4.2					30000	7200x2600x3800

DZL 生物质（燃煤）锅炉
DZL Biomass (coal-fired) boiler



艾克斯 AIX 锅炉研发的DZL型生物质锅炉是一种采用生物质颗粒做燃料的单锅筒纵置式链条炉排锅炉，是新一代高效节能的锅炉产品。它采用的燃料生物质是一种理想的可再生能源，每年都有大量的产出，用它代替煤的燃烧，不仅可以为企业降低成本，带来丰厚的经济回报，也能废物利用,增加了农民的收入，实现了经济效益和社会效益的共同发展。不仅如此，此锅炉还县有升压快、热效率高、受热面积大等优。

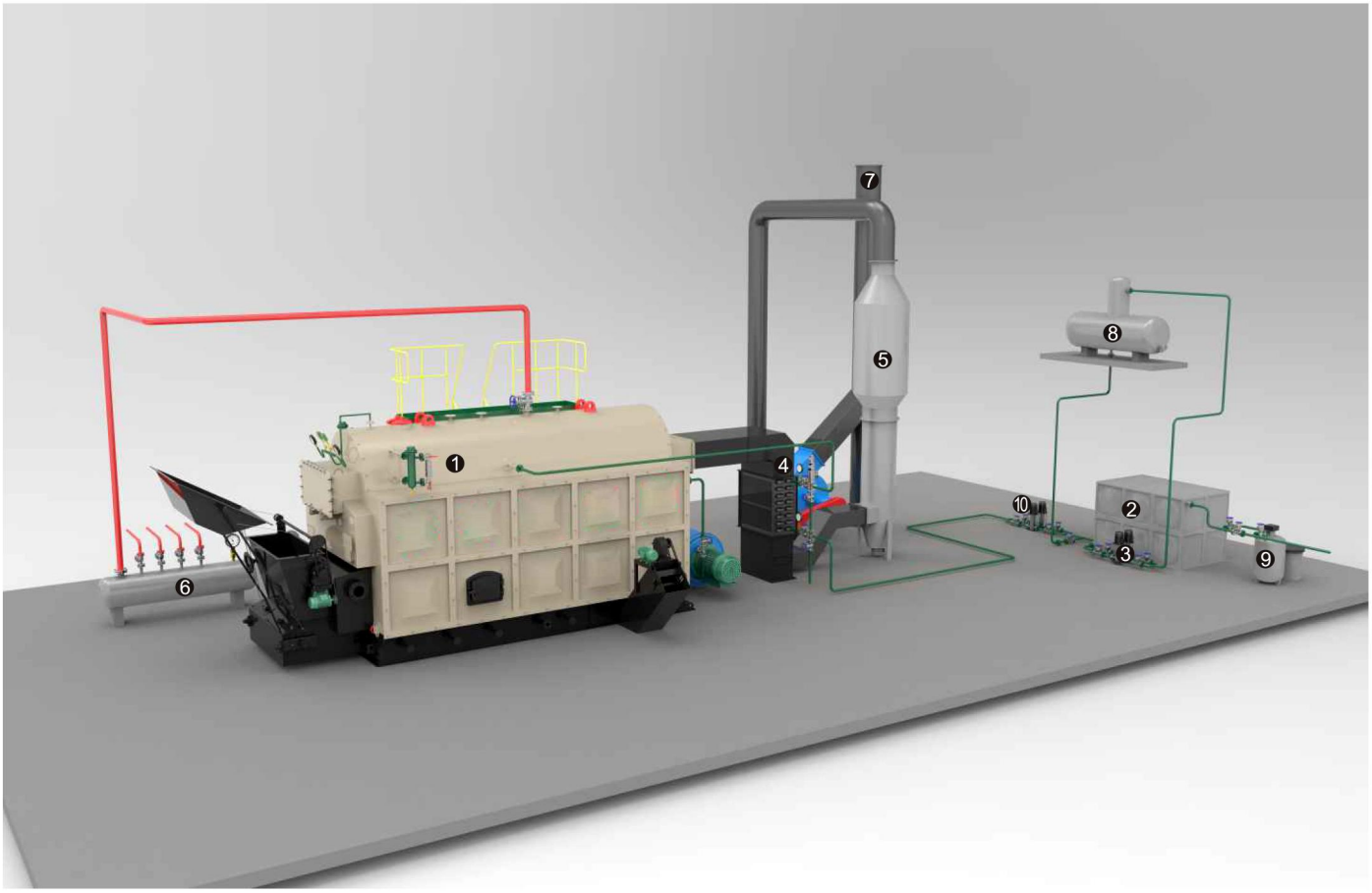
DZL型生物质锅炉是一种卧式三回程水火管锅炉，设计时采用了高效节能强化燃烧技术，保证了燃料的充分燃烧。更好的是炉膛、燃烬室的容积非常大，有利于飞灰的燃烬和沉降。出口烟气窗处设置的有灰尘粗分离转向室，达到了锅炉炉内除尘的目的，降低了烟气中污染物的排放量，使之达到国家环保规定的指标。

The DZL type biomass boiler developed by CNSJIE Boiler, with single-drum horizontal chain grate, using biomass pellets as fuel, is a new generation of high-efficiency and energy-saving boiler. Its fuel biomass is an ideal renewable energy source, which has large amount of output every year. It can replace the burning of coal, which not only reduces costs for enterprises, bring rich economic returns, but also realizing waste utilization and increase farmers' income, achieving the common development of economic and social benefits. It also has the advantages of fast boosting, high thermal efficiency and large heating area.

DZL type biomass boiler is a horizontal three-return water-fire tube boiler. It adopts high efficiency, energy saving and intensified combustion technology in the design to ensure the full combustion of fuel. The volume of the furnace and the combustion chamber is very large, which is conducive to completely burning and settlement of the fly ash. Dust coarse separation steering chamber installed at the exit smoke window, which achieves the purpose of dust removal, reduces the emission of pollutants in flue gas and makes it meet the national environmental protection regulations.

蒸汽管道 Steam Pipeline

补水管道 Water Supply Pipeline



设备名称 Equipment Name

❶ 锅炉 Boiler

❷ 水箱 Water Tank

❸ 除氧泵 Deaerator Pump

❹ 节能器 Economizer

❺ 旋风除尘器 Cyclone Dust Remover

❻ 分水缸 Water Separating Header

❼ 烟囱 Chimney

❽ 除氧器 Deaerator

❾ 软水器 Water Softener

❿ 给水泵 Feed Water Pump

性能特点
Performance characteristics

采用螺纹烟管传热，提高了热效率，降低了能耗。

The use of threaded pipe heat transfer improves thermal efficiency and reduces energy consumption.

膜式水冷壁结构的应用，提高了传热系数和传热效果，降低了热损失。

The application of the membrane water wall structure improves the heat transfer coefficient and effect and reduces heat loss.

螺纹烟管设置于锅壳内，总体漏风少，排烟热损失小。

The threaded pipe is placed inside boiler shell, low leakage and small heat loss of exhaust gas.

锅炉的焊缝均采用先进的埋弧自动焊工艺，保证了焊接质量。

Advanced submerged arc automatic welding process is adopted for the longitudinal and circumferential welds of the boiler to ensure the welding quality.

尾部烟道布置有除尘器，保证烟尘排放符合环保要求。

The tail flue is equipped with dust collector to ensure that the dust emission meets environmental protection requirements.

自动化水平高，具有水自动调节、低水位联锁保护、高低水位报警等功能。

Highly automation level, with automatic water regulation, low water level interlock protection, high and low water level alarm and other functions.

先进的拱形设计，形成明显倒“α”火焰，有利于劣质煤的燃烧，煤种适应性强。

Advanced arch design forms an obvious "α" flame, which is conducive to the burning of inferior coal and has strong adaptability to coal types.

控制监测仪表齐全，锅炉运行安全可靠。

Complete control and monitoring instruments, safe and reliable boiler operation.

两翼烟道的设置，使烟气能够顺利进入前烟箱，使之前管板温度相同，避免因温度应力而产生管板裂纹。

The setting of the two-wing flue enables the flue gas smoothly enter into the front smoke box, making the temperature of the front tube plate be the same, and avoiding the crack of the tube plate caused by the temperature stress.

炉排采用新型小鳞片式炉排片，增加了独有的保险环，使炉排运行稳定可靠，提高了燃烧效率。

Chain grate adopts new type of small scale-type grate, which adds a unique safety ring to make the grate stable and reliable, improving combustion efficiency.

蒸汽锅炉 Steam Boiler

型号规格 Model 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 (℃)	热效率 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)
DZL0.5-1.25-SCII	0.5	1.25	194	84.3	煤 生物质燃料 Coal Biomass Fuel	11000	3300x2000x2656
DZL1-1.25-SCII	1			84.87		15000	5200x2100x2600
DZL2-1.25-SCII	2			84.94		23000	5650x2400x2700
DZL3-1.25-SCII	3			84.9		24000	5700x2600x2800
DZL4-1.25-SCII	4			84.37		29000	6850x2700x3200
DZL6-1.25-SCII	6			85.72		32000	6800x2900x3400
DZL8-1.25-SCII	8			85.28		35000	7200x3200x3800
DZL10-1.25-SCII	10			85.47		40000	7900x3400x5500

承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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)
DZL0.35-1.0/115/70-SCII	0.35	1.0	115/70	84	煤 生物质燃料 Coal Biomass Fuel	11000	3300x2000x2656
DZL0.7-1.0/115/70-SCII	0.7					14500	4800x2150x2960
DZL1.4-1.0/115/70-SCII	1.4					25000	5280x2380x3030
DZL2.1-1.0/115/70-SCII	2.1					26000	5500x2420x3250
DZL2.8-1.0/115/70-SCII	2.8					28000	6000x2500x3400
DZL4.2-1.0/115/70-SCII	4.2					30000	7200x2600x3800
DZL5.6-1.0/115/70-SCII	5.6					35000	7600x2800x4200
DZL7.0-1.0/115/70-SCII	7					40000	8000x3200x5580

常压热水锅炉 Atmospheric Pressure Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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)
CDZL0.35-85/60-SCII	0.35	0	85/60	84	煤 生物质燃料 Coal Biomass Fuel	9000	3300x2000x2656
CDZL0.7-85/60-SCII	0.7					14500	4800x2150x2960
CDZL1.4-85/60-SCII	1.4					25000	5280x2380x3030
CDZL2.1-85/60-SCII	2.1					26000	5500x2420x3250
CDZL2.8-85/60-SCII	2.8					28000	6000x2500x3400
CDZL4.2-85/60-SCII	4.2					30000	7200x2600x3800
CDZL5.6-85/60-SCII	5.6					35000	7600x2800x4200
CDZL7.0-85/60-SCII	7					40000	8000x3200x5580

SZL 生物质（燃煤）锅炉
SZL Biomass (coal-fired) boiler



SZL型生物质锅炉采用双锅筒纵置式布置，燃烧方式为链条炉排，燃料为清洁能源生物质(燃烧过程中不仅不会产生废气、废物、废烟，而且造价低，容易获得，实现了废物再利用)，符合市场的发展趋势和客户的需求。此锅炉由上部的本体受热面和下部的燃烧设备两大件组成。燃料在燃烧设备中燃烧，产生的烟气经炉膛、燃烬室、对流管束等进入尾部烟道，随后通过除尘器、引风机、烟囱等排入大气。

SZL型生物质锅炉的炉膛两侧采用膜式水冷壁结构，既提高了锅炉的密封性，也增加了炉膛的容积和受热面。更好的是前后墙布置的有二次风（由阀门控制），不仅使燃料充分燃尽，提高了燃烧效率和热效率，降低了燃料成本的投入，而且减少了废物、废渣的产生。更好的是它还具有自动化水平高、运行安全稳定、保护功能完善等优势，成为不少企业购买锅炉的理想选择。

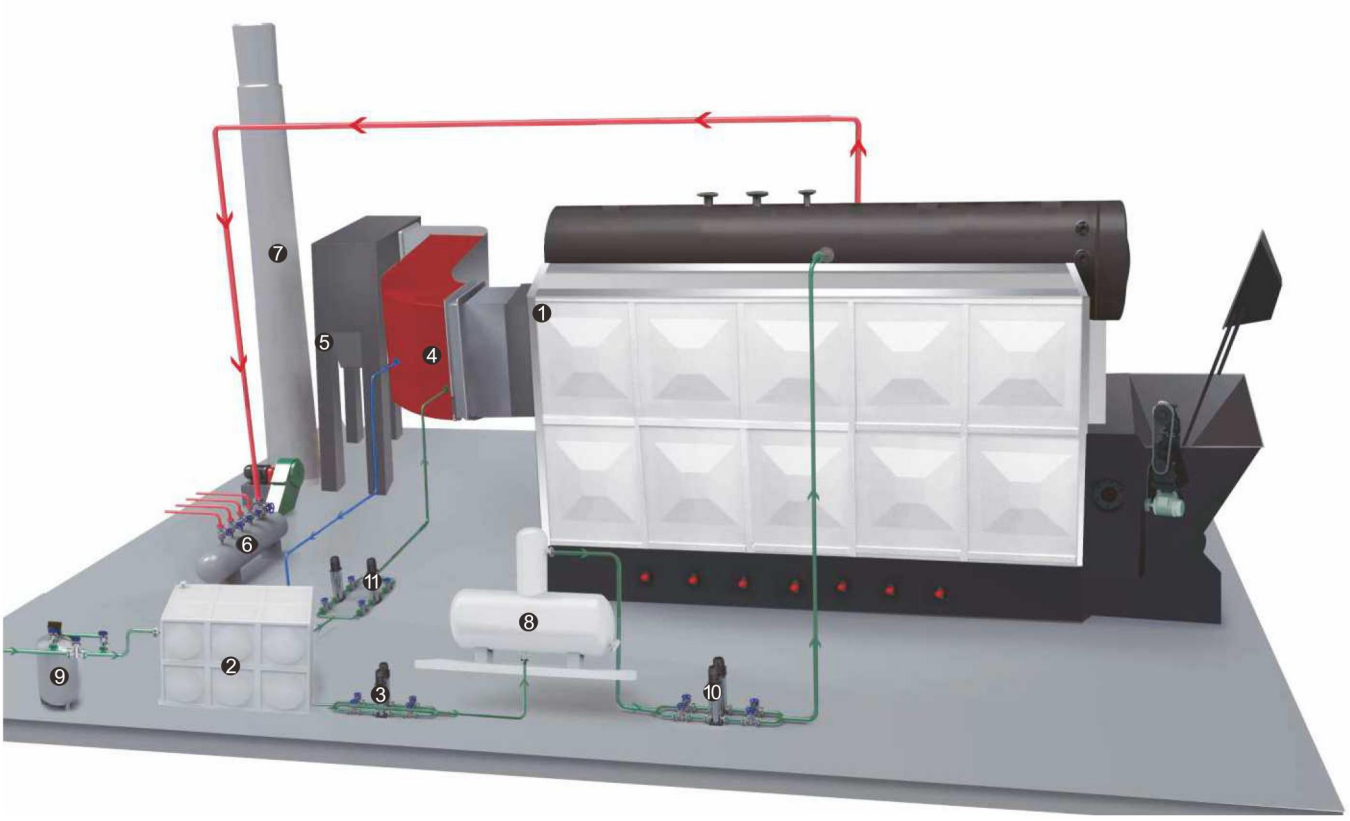
SZL type biomass boiler adopts double-drum vertical arrangement with chain grate, and the fuel is clean energy biomass (Cannot produce waste gas and waste smoke under combustion with low cost and easily obtain features, all to realize waste recycling), it meets market trends and customer request. The boiler consists of two parts: the upper body boiler and the lower combustion part. The fuel is burned in the combustion chamber, and the generated flue gas which enters the tail flue through furnace, combustion chamber, convection tube bundle, etc, and then discharge to the air by dust remover, induced draft fan and chimney.

The two sides on the chamber of SZL biomass boiler adopts membrane all wall structure, which not only improves the sealing performance of boiler, but also increases the volume and the heating surface. What is better is that the front and rear walls are arranged with secondary air (controlled by the valve), which not makes fully combustion of fuel, but also improves the combustion and thermal efficiency, reducing the fuel cost and waste generation. What's even better is that it also has the advantages of high automation, safe and stable operation, perfect protection function, etc. It has became an ideal choice for many enterprises who plan to purchase boiler.

蒸汽管道 Steam Pipeline

补水管道 Water Supply Pipeline

循环水管道 Return Pipeline



设备名称 Equipment Name

❶ 锅炉 Boiler

❷ 水箱 Water Tank

❸ 除氧泵 Deaerator Pump

❹ 节能器 Economizer

❺ 旋风除尘器 Cyclone Dust Remover

❻ 分水缸 Water Separating Header

❼ 烟囱 Chimney

❽ 除氧器 Deaerator

❾ 软水器 Water Softener

❿ 给水泵 Feed Water Pump

⓫ 节能泵 Energy-Saving Pump

性能特点
Performance characteristics

对流布置受热面换热效率高，
锅炉运行效率平稳。

Convection layout can make high heat transfer efficiency, and it is stable for boiler operation efficiency.

链条炉排面板，前后烟箱面板全都采用数控等离子切割机切割，整齐美观。

Both front and rear smoke box adopt CNC plasma cutting technology when make it neat and beautiful.

锅筒容积较大，内部装置齐全。

Large drum volume and complete internal equipment.

锅炉具有给水自动调节、高低水位自动报警、超压自动保护、熄火自动保护等功能。

The boiler has some functions, such as automatic adjustment of water supply, automatic alarm of high and low water level, automatic protection of overpressure, automatic protection of flameout, etc.

锅炉运行平稳且具有一定的超负荷运行能力。

The boiler runs smoothly running and has a certain overload operation ability.

前、后拱匹配合理，炉拱的覆盖率大，炉膛温度高。

The front and rear arches are properly matched, the coverage of the furnace arch is large, and high temperature of furnace chamber.

双锅筒布置，燃烧效率高，运行费用节省5-10%。

Double drums arrangement, high combustion efficiency and 5-10% savings in operating costs.

各受热面下降面与上升管的截面比合理，
燃烧工况稳定。

It is reasonable for cross-section ratio which from falling surface and upper pipe, also combustion condition is stable.

各风室不同燃料不同燃烧阶段所需的空气量
可人为调整，横向风压一致，
不会出现偏烧现象。

The amount of air can be artificially adjusted which required for different combustion stages and different fuels in each plenum, and the lateral wind pressure is consistent, no partial burning phenomenon.

蒸汽锅炉 Steam Boiler

型号规格 Model 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 (℃)	热效率 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)
SZL4-1.25-SCII	4	1.25 2.5	194/225	84.88	煤 生物质燃料 Coal Biomass Fuel	23000	6300x2300x3200
SZL6-1.25-SCII	6			84.84		25000	7700x2800x3450
SZL8-1.25-SCII	8			84.9		27000	7800x3100x3520
SZL10-1.25-SCII	10			85.4		30000	7900x3300x3640
SZL15-1.25-SCII	15			88.6		40000	10000x3200x3500
SZL20-1.25-SCII	20			89.2		45000	11000x3300x3500

承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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 (m)
SZL4.2-1.0/115/70-SCII	4.2	1.0	115/70	84.9	煤 生物质燃料 Coal Biomass Fuel	23000	10.2x3.2x5.8
SZL5.6-1.0/115/70-SCII	5.6			85.1		34000	11.7x3.5x5.9
SZL7.0-1.0/115/70-SCII	7			85.4		35000	11.9x3.2x6.4
SZL10.5-1.0/115/70-SCII	10.5			88.6		39000	12.6x4.6x6.7
SZL14-1.0/115/70-SCII	14			88.9		45000	13.8x5.2x8.4

常压热水锅炉 Atmospheric Pressure Hot Water Boiler

型号规格 Model 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 (℃)	热效率 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 (m)
CSZL4.2-85/60-SCII	4.2	0	85/60	84.5	煤 生物质燃料 Coal Biomass Fuel	23000	10.2x3.2x5.8
CSZL5.6-85/60-SCII	5.6			84.8		34000	11.7x3.5x5.9
CSZL7.0-85/60-SCII	7			85.1		35000	11.9x3.2x6.4
CSZL10.5-85/60-SCII	10.5			88.2		39000	12.6x4.6x6.7
CSZL14-85/60-SCII	14			88.1		45000	13.8x5.2x8.4

YGL 生物质（燃煤）导热油锅炉
YGL Biomass (coal-fired) thermal oil boiler



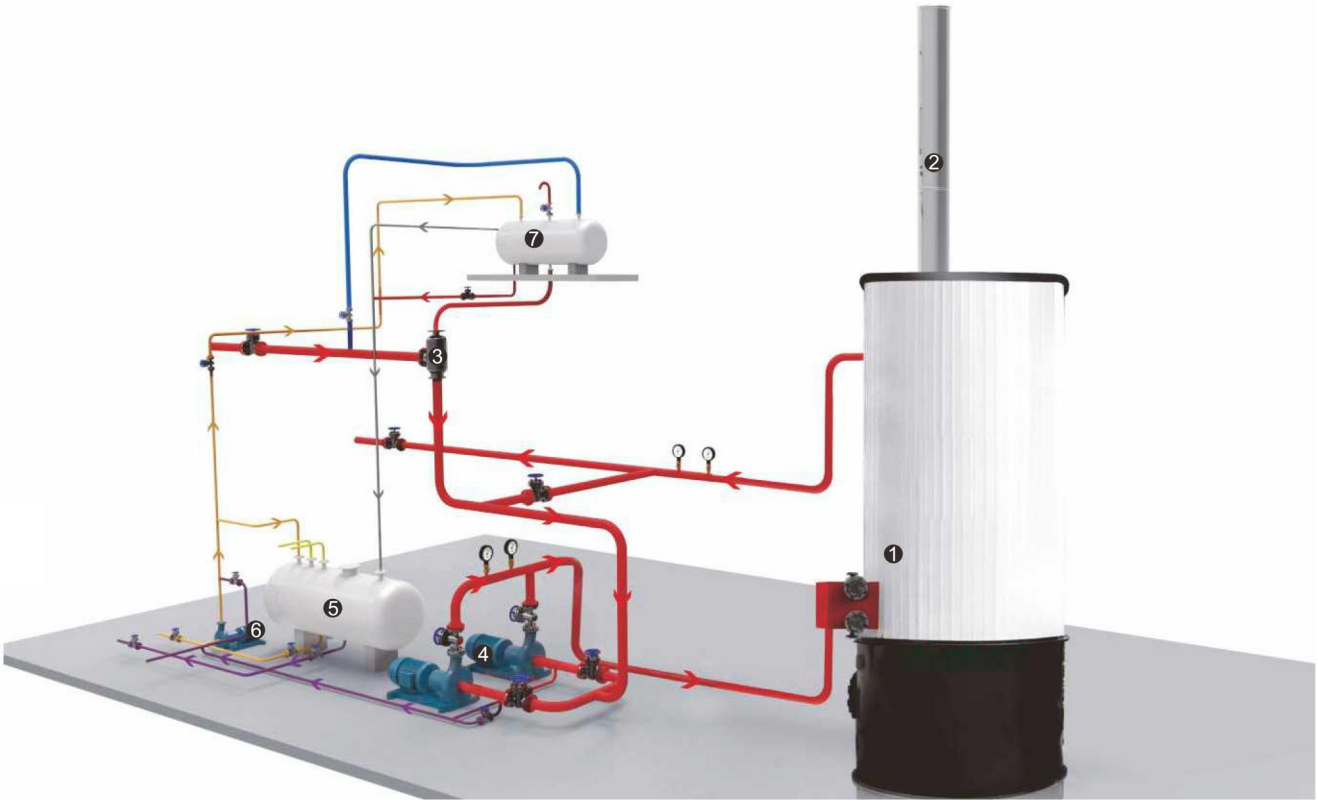
YGL型生物质导热油炉，它是以生物质颗粒为燃料，以导热油为介质，利用循环油泵强制导热油进行液相循环，将热能传给用热设备后再返回加热炉重新加热的一种强制循环立式生物质锅炉，是一种理想的供热设备。它采用三回程盘管设计，受热面充足，膨胀充分吸收，实现了低压高温供热。它还可以增加节能器，使锅炉运起来更加节能，可以更加高效、节能的服务于各行各业。

艾克斯 AIX 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，供热温度最高可达液相3400C，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150-3800C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，而且销往全球多个国家和地区。

YGL biomass thermal oil heater 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. Three-return coil design with sufficient heating surface and expansion and absorption, realizing low-pressure and high-temperature heating. Also the economizer can be added to make the boiler more energy saving, which can be more efficient used in all walks of life.

YGL biomass thermal oil heater provided by CNSJIE Boiler Group is with low pressure, high temperature performance, better heating temperature up to 340℃ in liquid phase. Therefore, it can be used in various production situations where require uniform heating without direct flame heating and the heating temperature of 150-380℃. Better that, boilers have advantages such as high heat utilization rate, good heat transfer performance, safe and reliable operation, perfect protection function, convenient operation and maintenance, etc., which have unparalleled advantages to other equipment. Therefore, they are not only widely used in all industries, but also exported to many countries and regions all over the world.

主管道 Main Pipeline
注油管 Oil Feeding Pipe
天然气管道 Natural Gas Pipeline
排污管 Blowdown Pipe
排气道 Exhaust Pipeline
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

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。

Take biomass particles as fuel, turn waste into treasures, and save energy and reduce emissions, meeting the current policy requirements.

锅炉的炉顶布置了密排盘管，
避免了炉顶烧坏的现象。

Equipped with dense coils on the furnace top of the boiler to avoid the burnout of the furnace top.

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。

Closed circulation heating system, connected with the atmosphere, which extends the service life.

锅炉调节方便，供热均匀，能够满足
精确的工艺温度。

Easy adjustment and uniform heating to meet the accurate process temperature.

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。

Adiabatic fuel combustion in the combustion chamber makes easier ignition, sufficient combustion and higher thermal efficiency.

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。

Compensated technical measures in the system added in order to cope with the volume change of temperature rising and falling of working medium.

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。

Only bear pump pressure during operation, no risks of explosion of heat conducting oil.

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。

Convenient installation and shorter installation cycle that during installation just close together the upper body and the lower combustion chamber.

液相循环供热，无冷凝排放热损失，
供热系统热效率高。

Liquid phase circulation heating without heat loss caused by condensation, and high thermal efficiency of heating system.

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。

With inner and outer densely packed coil composed the heat surface, lower heat load on the pipe surface and safer conduction oil.

YGL型生物质导热油炉 YGL Biomass (coal) Fired Thermal Fluid Heater

型号 规格 Model 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-120SCII	10	0.7 1.0	290/320	84	12.5	7.3	生物质燃料 Biomass Fuel	0.06	3000	840x1608
YGL-240SCII	20				20	16.3		0.19	3300	1250x2080
YGL-350SCII	30				30	22.4		0.26	3600	1350x2050
YGL-500SCII	40				40	30.8		0.37	4000	1450x2300
YGL-700SCII	60				60	44		0.5	4500	1750x2680
YGL-1000SCII	80				80	63.2		0.7	5100	1750x2990
YGL-1200SCII	100				100	71		0.8	5400	2250x3030
YGL-1400SCII	120				140	87.6		1.05	6000	2250x3140

YLW 生物质（导热油）导热油锅炉
YLW Biomass (coal-fired) thermal oil boiler



YLW型生物质导热油炉是艾克斯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，由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 series biomass thermal oil heater is a forced circulation chain grate boiler developed by **Henan Aix Boiler Company**. It is a new type of heating equipment using environmental energy-biomass as fuel and heat-conducting oil as medium. The heating surface and the rear are convection surfaces. During operation, the boiler can be accurately temperature adjusted according to actual requirements, which can meet different requirements of customers. It is even better that the boiler has a complete operation control system and safety monitoring device, making the operation of the boiler simpler and more convenient. Even better, the boiler's various emission indicators are lower than the national "Boiler Air Pollutant Emission Standard" regulations, and the operating cost is 5% -10% less than that of coal combustion.

YLW series thermal oil heater will not produce corrosion, dirt or flue 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.

	主管道	Water pipe
	排气管	Exhaust pipe
	注油管	Hot water pipe
	冷水管道	Cold water pipeline
	排污管	Safety valve relief pipe



设备名称 Equipment Name

❶ 锅炉器	Boiler	❽ 循环泵	Circulation pump
❷ 油气分离器	Oil-gas separator	❾ 高位槽	High level tank
❸ 储水罐	Water storage tank	❿ 储油罐	Oil storage tank
❹ 烟囱	Chimney	⓫ 鼓风机	Forced draft fan
❺ 旋风除尘器	Cyclone dust collector	⓬ 引风机	Induced draft fan
❻ 水膜除尘器	Water film scrubber	⓭ 软水器	Water softer
❼ 余热炉	Waste heat boiler	⓮ 给水泵	Feedwater pump
		⓯ 注油泵	Filling pump

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。

There are technical measures for strict control of air, water and other low volatile content in the working medium before boiler circulation heating.

结构紧凑，大大节约了锅炉房的占地面积。

Compact structure greatly saves the space of boiler room.

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。

Boiler body and chain grate can be combined on site, which not only reduces the transportation cost, but also shortens the installation cycle.

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。

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.

可在较低的运行压力下获得较高的工作温度。

Higher operating temperature can be obtained under lower operating pressure.

各种负荷下，热效率均能保持在最佳水平。

Thermal efficiency can all be kept at the best level under various loads.

以木屑、农林废弃物等为燃料，变废为宝。

Take wood chips, agricultural and forestry wastes as fuel and turn them into treasures.

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。

The furnace is composed of double close coils, which reduces the heat load on the surface of the pipe and improves the safety.

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。

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.

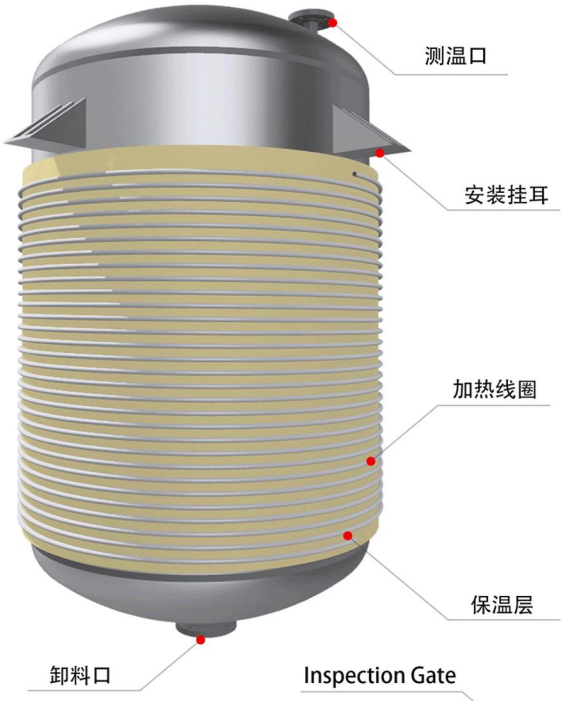
介质流程合理，由低处流向高处，使得运行产生的气体很难留在炉内，可以方便的排出系统。

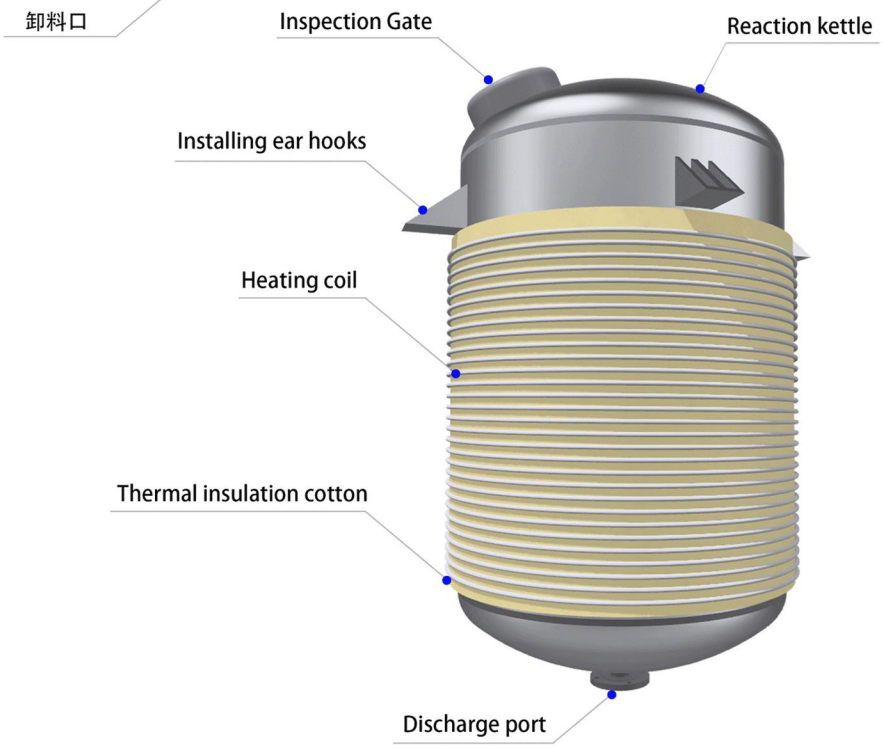
The medium process is reasonable and flows from the low to the high position, making it difficult for the gas generated by operation to stay in the furnace and convenient to discharge the system.

YLW型生物质导热油炉 YLW Biomass (coal) Fired Thermal Fluid Heater

型号 规格 Model unit	额定 热功率 Rated Heat Power (x10⁴kcal/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-1400SCII	120	1.0	320	84	80	104	生物质燃料 Biomass Fuel	1.2	18000	4600x2300x3200
YLW-1900SCII	160				115	125		1.6	20000	4670x2320x2880
YLW-2100SCII	180				155	145		1.9	25000	4700x2680x3300
YLW-2400SCII	200				188	163		2.4	26500	4900x2700x3300
YLW-3000SCII	250				200	188		2.9	34000	5900x2700x3550
YLW-3500SCII	300				200	216		3.3	38000	7500x2900x1700
YLW-4200SCII	360				225	280		3.5	40000	7700x2900x2200
YLW-5000SCII	400				260	310		3.63	45000	8000x3000x2500
YLW-6000SCII	500				300	389		3.9	60000	9000x3100x3000
YLW-7000SCII	600				340	469		4.2	70000	10000x3200x3300

AIX 其他设备
OTHER EQUIPMENT...





燃油燃气蒸汽发生器
生物质蒸汽发生器
电加热蒸汽发生器

Oil/gas fired steam generator
Biomass steam generator
Electric heating steam generator

开式搪瓷反应釜
闭式搪瓷反应釜
电加热搪瓷反应釜
非标搪瓷反应釜

Open enamel reactor
Closed enamel reactor
Electric heated enamel reactor
Non-standard enamel reactor

开式不锈钢反应釜
闭式不锈钢反应釜
外盘管不锈钢反应釜
电加热不锈钢反应釜
非标不锈钢反应釜

Open stainless steel reactor
Closed stainless steel reactor
Outer coil stainless steel reactor
Electric heating stainless steel reactor
Non-standard stainless steel reactor

搪玻璃储罐
不锈钢储罐
碳钢储罐

Glass-lined storage tank
Stainless steel storage tank
Carbon steel storage tank



空气压力储罐
蒸汽压力储罐
蒸压釜
木材防腐罐
定压罐

Air pressure storage tank
Steam pressure storage tank
Autoclave
Wood anti-corrosion tank
Constant pressure tank

气化撬
液化气储罐
天然气储罐

Gasification sputum
Liquefied gas storage tank
Natural gas storage tank

液氮储罐
液氧储罐
液氩储罐
二氧化碳储罐

Liquid nitrogen storage tank
Liquid oxygen storage tank
Liquid argon storage tank
carbon dioxide storage tank

列管式换热器
螺旋板式换热器
搪瓷碟片式换热器
塔器设备

Tube heat exchanger
Spiral plate heat exchanger
Enameled disc heat exchanger
Tower equipment



AIX

地址：河南省周口市太康产业集聚区返乡创业园118号