DZL SERIES
CHAIN GRATE
BOILER

Energy-saving, Efficient, Environmental
Zhengzhou Boiler Co., Ltd., founded in 1945, has been through 72 years’ glorious history, has three subsidiaries and possessing the domestic highest level boiler manufacturing license-A class, also the ASME certificates. It is the biggest and most professional industrial boiler and power generation boiler in Midwest.

Science and technology help the enterprises become excellent, and the brand becomes its advantages over its competitors. Over the years, ZBG has cultivated a high-efficiency, high-quality R & D team, holding more than 300 professional and technical personnel, and 130 national patents. ZBG has long-term cooperation with more than 10 well-known research institutions, such as Chinese Academy of Sciences, Tsinghua University, Xi’an Jiaotong University, etc. Nowadays, ZBG’s selling network has pervaded more than 80 countries and regions, more than 10,000 successful project cases, which makes ZBG become the backbone of boiler industry in China.

In 2016, ZBG successfully signed Zheng-luo-xin national independent innovation demonstration zone, and fully started industry 4.0 super smart factory construction projects. With the requirement of high standard, high output, high-quality construction, and keep its technology and product development always in the forefront of the industry.
Since 1945

Sectional Axonometric Drawing

Product introduction

Capacity: 2-10 t/h  
Design thermal efficiency: 76-80%  
Applicable fuel: bituminous coal, anthracite, rice husk, straw, sawdust, bagasse and other biomass fuels  
Application: central heating, district heating and industrial steam

ZBG DZL double-wind-gas-dust series boiler is independently by our company as the fourth generation horizontal water tube and fire tube package chain grate boiler. We have patent rights to this product, and DZL series has won the State Ministry of Electrical and Mechanical Quality Award, the provincial quality products, provincial and municipal outstanding new product awards, provincial and municipal scientific and technological progress awards. It is the State Electrical and Mechanical Energy Products Promotion Project. DZL series boiler is equipped with fast, time-saving, compact structure, small footprint, etc., with high reliability, high thermal efficiency and strong overload capacity. The large-size components (mainly on the body and the lower base) has been assembled in the factory, when they are installed, just complete the interface and auxiliary and pipeline system. DZL series adopts light chain belt with a high degree of automation, with dust removal equipment, less environmental pollution, with a good comprehensive economic and technical indicators, the product is well praised by the majority of consumers.
Since 1945

By adopting the water-cooling system in packaged boilers which is usually used in power plant boilers, the boiler can achieve large heat transfer area, high heat transfer efficiency, low heat loss, good air tightness, and no distortion or dust leakage of the brickwork because of direct heating the down side of the drum.

1. Advanced design, perfect performance

The structure of the arches adopt the latest research product, second prize of advance awarded by Xi’an Jiaotong University. The back arch is low and long and the part near the exit is inverse inclined type, while the front arch is 45 inclined type, they together form a downside "a" flame structure, which makes the lean coal combustion easier and it can adjust itself to a wide range of coal types.

2. Wide variety of fuel

a. There is push-pull type damper ash removal device. The damper adopts finish machining cast iron seal structure, thus the secondary combustion distortion and air leaking in the grate is effectively prevented.

b. The double-wind-gas dust design makes the flue gas smoothly enter the front smoke box and the temperature of the front tube plate is the same and lower than 600 °C, it can avoid tube plate crack caused by the DZL chain grate coal fired boiler.

c. Exclusive configuration from the drum center line 750mm assembly wall wall tube, completely solve the drum and the box heat up cold shrinkage caused by the drawbacks of the weld.

3. Reasonable structure and safe operation
## Technical parameters

### Steam Boilers

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<tr>
<th>Steam Boilers</th>
<th>Rated Steam Capacity (t/h)</th>
<th>Foundation</th>
<th>Max Shipping Weight (LxWxH)</th>
<th>Max Outline Dimension (LxWxH)</th>
<th>Coal Bucket</th>
<th>Safety Valve</th>
<th>Main Steam Valve</th>
<th>Exhaust Gas Temperature</th>
<th>Economizer</th>
<th>Feed Water</th>
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Boiler Ichnography

- 4t/h Single Drum Chain Grate Boiler
- 6t/h Single Drum Chain Grate Boiler
Boiler system

- The System Diagram Of DZL Economizer Boiler Room (Deaerator)
- The System Diagram DZL Economizer Boiler Room (Normal Feed Water)
Relevant cases

- 10 Tons of Boiler Project for Angel Yeast Co., Ltd.
- 28 Efficient Energy-saving Chain Grate Boiler Project in Nanjie Village
- DZL Series Boiler Shipping To Bali
- Kazakhstan 6 Tons Boiler Project
- Tanzania 4 Tons DZL Boiler Project
All of our work always focus on one goal: To provide customers with the most valuable boilers and services.

In ZBG, we promise to all users:

- Free maintenance within 12 months from shipment
- Providing technical consultation and reply with in 30 minutes
- Dispatching engineers within 24 hours
- Accepting service requests in 365 days a year

We provide all customers with original standard parts and "processing with supplied drawings" to meet the practical needs of customers, so that all customers' after-sales without worry.