

# Vertical Hot Water Boiler (V3)

Product Details [PDF](#)





120,000m<sup>2</sup>  
Production Base



6,000m<sup>2</sup>  
R&D Center



20,000 Tons  
Annual Capacity



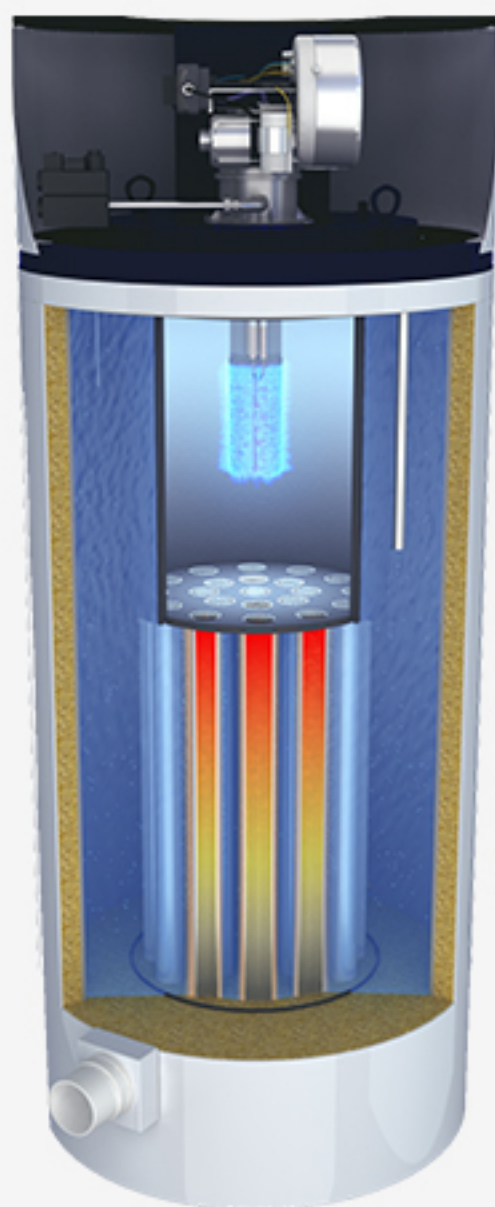
60,000  
Total User Number

## Company Profile

Fangkuai Boiler Co., Ltd. was established on 8th Jan. 1998. With the registered capital of over 100 million, Fangkuai Boiler group has grown into a high and new tech enterprise, integrating researching & developing, manufacturing and marketing of clean fuel boiler and clean combustion technology.

Fangkuai is a Licensed Lever A boiler manufacture and Level D1/D2 Pressure Vessel manufacture company, with the certificates of ISO9001 Quality Control System and International Certification Network (IQNET). With a 120,000 square meter production base, we become one of the few boiler manufacturers who have digital production capacity in China.

We also possess an national level boiler laboratory which can simulate all kinds of working conditions. Fangkuai Boiler Co., Ltd. was established on 8th Jan. 1998. With the registered capital of over 100 million, Fangkuai Boiler group has grown into a high and new tech enterprise, integrating researching & developing, manufacturing and marketing of clean fuel boiler and clean combustion technology.



## Product Introduction

Rated thermal power: 99kW

Thermal efficiency: 97.2-104%

Applicable fuel: Natural gas, city gas, diesel, heavy oil, etc.

Applications: Heating engineering and hot water supply.

The boiler adopts a new condensing technology, which can realize condensation without a condenser. The thermal efficiency is up to 104%, and the overall footprint is only 1.35m<sup>3</sup>, which can realize intelligent joint operation of multiple boilers.

Features:

Ultra high thermal efficiency、 Ultra low NOx emission、 Pressure but no quality inspection、 Easy installation conditions



>100%  
Thermal efficiency



$\leq 80 \text{ mg/m}^3$   
Ultra low emission



20 years  
Long life



5 heavyWater  
level protection



Good sealing  
Very low heat loss



PLC Intelligent  
control system



up to date Heat  
exchange element



Cloud Service 3.0  
Online Monitoring

## Product Features

### Never rust

The enamel coating and the base metal have a constant expansion coefficient and are not easy to fall off; they have functions of anti-rust and anti-corrosion.

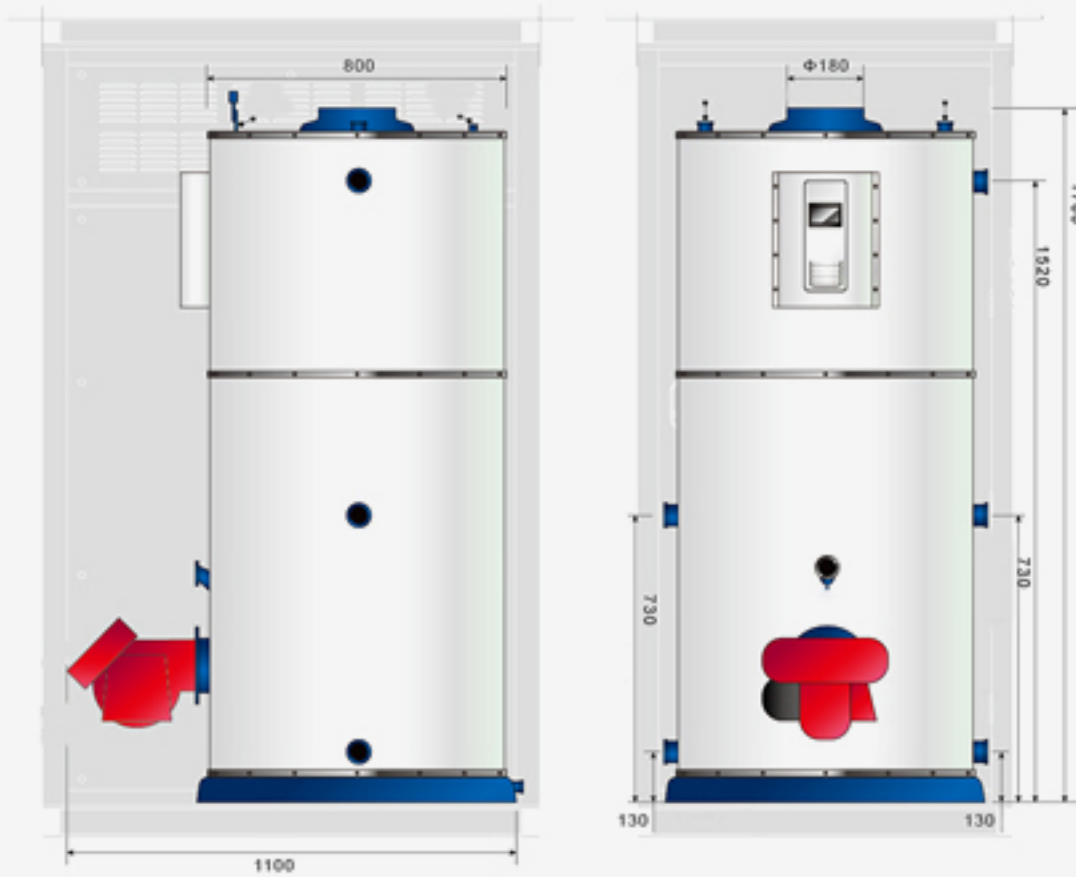
### long service life

The boiler uses a sacrificial anode protection device to protect the inner tank in all directions, ensuring an extremely long service life.

### Ultra low NOx emissions

The advanced full premixed combustion technology reduces CO and NOx emissions and improves environmental protection while increasing the amount of combustion.

# Boiler Planar View



▲ Boiler Lateral View

▲ Boiler Front View

# Specifications

Operating conditions	Rated thermal power	Water storage capacity	Electric power	net weight	Full waterweight	preset pressure	Gas port	Gas pressure
Unit	KW	L	W	KG	KG	Mpa	mm	pa
V3-99	99	320	<390	420	740	1.0	DN20	2000-3000

Operating conditions	Product Size	Inlet and outlet thread	Power requirement	Relatively warm water yield (L/H)		
Unit	mm		v/hz	25°C	35°C	65°C
V3-99	1700*820*1100	internal thread	220/50	3406	2433	1310

Inlet/outlet temperature	30/40°C	50/60°C	60/80°C	70/90°C
Thermal efficiency (%)	90	89.1	88	88
Natural gas consumption (m³/h)	10.1	10.2	10.3	10.3

★ Remarks: Due to continuous improvement of technology, please contact FangKuai Boiler Co., Ltd. headquarters for detailed parameters.

## Boiler part case



Yurun Food Co., Ltd.



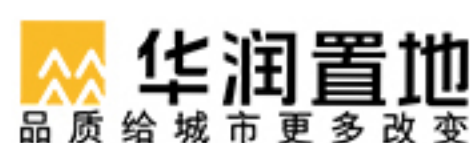
Nonferrous Metals Co., Ltd.

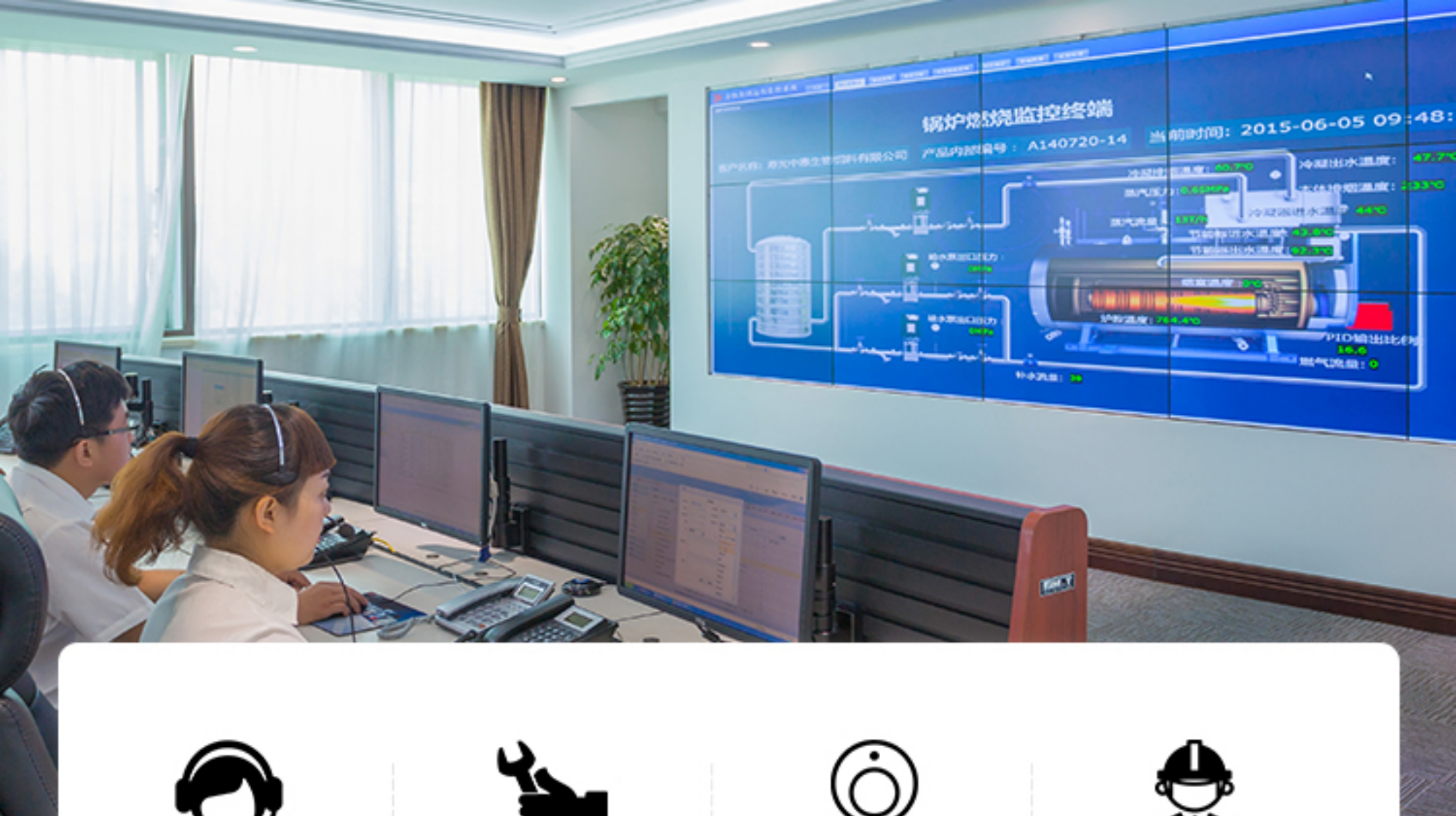


Xufei Technology Co., Ltd.



Quanxing Wine Industry Co., Ltd.





24 hr Online



Abroad engineer  
standby



Real-time  
Monitoring



Engineer 1 to 1

## Service Philosophy

**Our Service Philosophy: Think as a customer !**

### Fast Response

Telephone or Online service, we will be your side, any time.

### Cloud Service 3.0

Intelligent online service, automatic diagnosis, troubleshoot boiler failure.

### After-sell Service

Professional installation and maintenance engineers for international customers.



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