

助/力/企/业/绿/色/发/展
一企一策 节能减排

SDS干法脱硫

钙基干法脱硫

CFB半干法脱硫

PNCR脱硝

公司介绍

COMPANY INTRODUCTION

Company background and history

Company advantages and
characteristics

产品概述

PRODUCT OVERVIEW

Product description and
introduction

Product parameters

产品特性和优势

CHARACTERISTICS AND ADVANTAGES

Product features and
parameters

Product specification

Technical advantage

应用案例

APPLICATION CASE

Installation method

Glass enterprise

Case presentation

COMPANY INTRODUCTION 公司介绍

Company background and history

Jiangxi Bolaida Environmental Technology Co., Ltd. is a company specializing in industrial waste gas treatment under Zhong 'an Tiancheng (Hubei) Environmental Technology Co., LTD. It was established in May 2018 and is a national high-tech enterprise. The core members of the team have over 20 years of experience in environmental engineering governance in the chemical industry. They are dedicated to the research and development of flue gas treatment engineering technology and equipment manufacturing in the industrial field, and provide customized solutions for a wide range of customers. The company undertakes one-stop services including process consultation, scheme design, engineering construction, after-sales training, and upgrading and renovation of existing projects for waste gas treatment in new projects across various industries.

Main business scope: 1. Desulfurization, denitrification and dust removal, ultra-low emission treatment for industrial kilns, boilers, glass, non-ferrous smelting, coking, steel, cement and other industries; 2. De-whitening and acid mist removal in inorganic chemical industries such as hazardous waste incineration, titanium dioxide, spray drying, sulfuric acid, synthetic ammonia, and fertilizers; 3. Treatment of malodorous organic waste gas in industries such as fine chemicals, medical and pesticide chemicals, biological fermentation, sewage and sludge treatment, and three-waste incineration.....

The company adheres to the development philosophy of technological innovation, service priority and quality first, and is committed to: "Improving air quality, restoring fresh air to the earth and ensuring healthy breathing for humanity!" Strive unrelentingly for the great cause.

Company advantages and characteristics



Technical strength:

21 years of experience
One joint laboratory



Investment and operation:

One investment
It operates 360 days a year



Engineering Case:

Over 30 industries
Over 500 engineering cases



Project effect:

Meet the standard in one attempt
Ten years of worry-free environmental protection



20

Serve the
country

3000+

Customer
inquiry

100%

Compliance
guarantee

>100

Annual number of
sets

Ceramic fiber dust removal tube (white tube)

Ceramic fiber high-temperature dust removal tubes (white tubes) are made of special aluminosilicate fibers through a specific forming method. Similar to the principle of filter bags, they feature a high porosity ($\geq 85\%$) and an ultra-high filtration accuracy (99%) cylindrical filter material. They can operate within a higher temperature range of 200-800°C and are widely used in high-temperature dust removal fields, with a service life of over 5 years.

$\geq 85\%$

**High
porosity**

99%

**Filtration
accuracy**

200-800°C

**Applicable high-
temperature range**

More than 5 years

Service life



Ceramic fiber catalytic filter tube (yellow tube)

The ceramic fiber catalytic filter tube (yellow tube) uses a white tube as the base liner. By combining nano-scale SCR catalysts, it forms a composite capacity of dust removal on the outer surface and denitrification inside the cylinder wall, which can simultaneously remove particulate matter, NOx, Dioxin, SOx, (Auxiliary) and some VOCs, etc. It is currently widely applied in fields such as glass furnaces, waste incineration, biomass, and flue gas from cement kilns.



Product parameters - 高温纤维除尘管 (High-temperature fiber dust removal tube)

Density: 370Kg/m³

Porosity: ≥85%

Typical dust particle emission quantity<5mg/Nm³

Withstand pressure drop: 700pa
(New pipe is under pressure)

Al₂O₃+SiO₂(%) : 99%

Other things: 1%



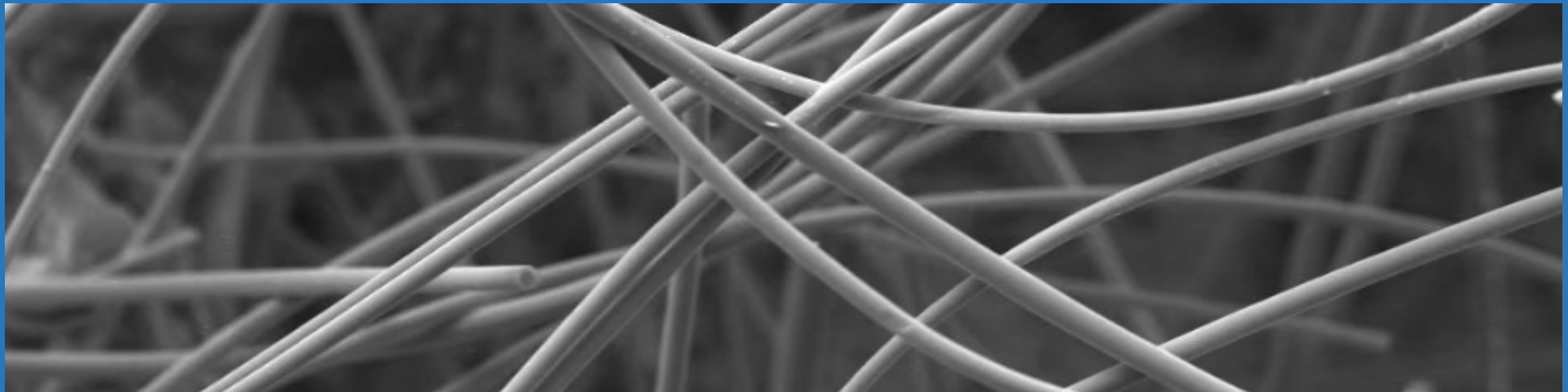
Ceramic fiber materials themselves have thermal shock resistance. The 2-3 micron fibers and the special inner mold forming process ensure the high porosity and low density of the product

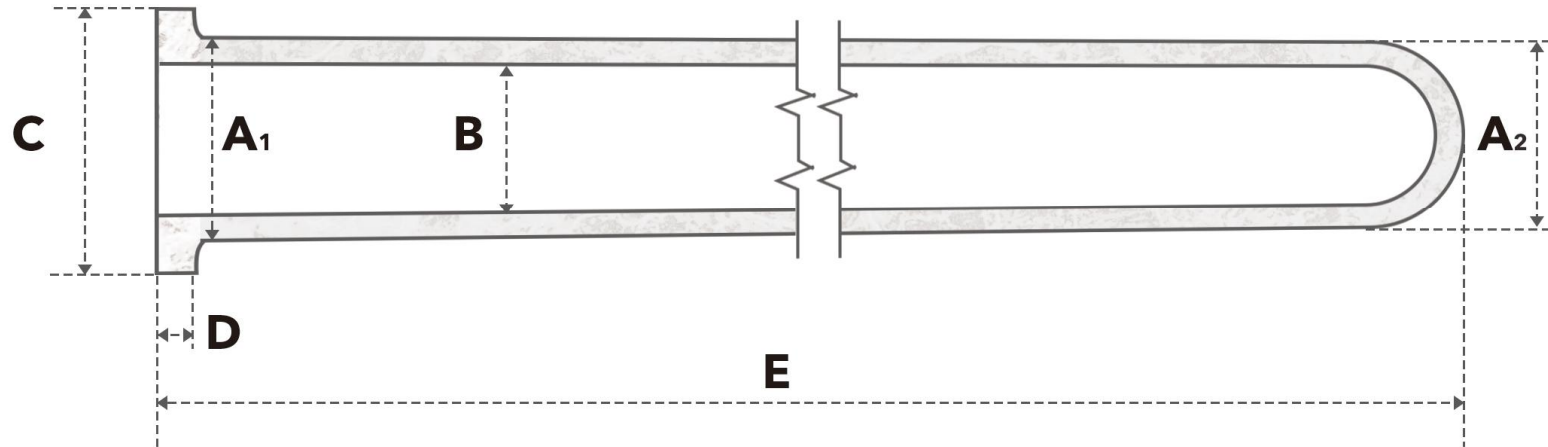


Ceramic fibers are not prone to react with chemical substances, which enhances the service life of the product itself



The rigidity and high-temperature resistance of ceramic fibers significantly enhance the strength of the product itself and its application in high-temperature working conditions





Av	Outer diameter of the filter tubeA1	mm	150	
Av	Outer diameter of the filter tubeA2	mm	135	
B	Inner diameter of the filter tube	mm	110	
C	Outer diameter of the flange surface	mm	195	
D	Flange surface height/thickness	mm	30	
E	Total length of filter tube	mm	3000	4000
F	The filter surface base of the filter tube	m²	1.4	1.7

*Other sizes of ceramic fiber tube filter tubes can be customized according to customer requirements

Technical advantage

Comparison table with traditional filtration methods

Project	High-temperature dust removal filter tube	Bag-type dust collector bags	Electrostatic precipitator
Gas processing volume	In the	大	很大
Pressure loss /Pa	800-1500	1500-2000	100-200
Operating temperature /°C	≤800	120-220	120-400
Efficiency /%	≥99.99% is very stable	90%-99% but unstable	70%-97%
Air leakage rate /%	1	2.5	2.5
Emission stability	Long-term high efficiency and stability	Stable	It is greatly affected by the type of coal and unstable
Emission concentration /(MMG/m ³)	≤5	≤30	50-100
Equipment cost	In the	In the	high
Operating costs	low	In the	high
Maintenance management	Easy	easy	difficult
Land area	In the	In the	big
Energy consumption of equipment	low	In the	big
Lifespan	5-8years	1-3years	2-6years
Adaptability	strong	In the	In the
Structure	Simple	In the	In the
Secondary pollution	no	no	A small amount

✓ High operating temperature

≤800°C

It can reach a maximum of 1000°C

✓ Long service life

Five to eight years

The precision of particulate matter emissions is high

<5mg/m³

✓ Good chemical stability

It can withstand acidic and alkaline gases

✓ High porosity

≥85%

✓ Excellent seismic performance

Withstand sudden

temperature changes

✓ Energy conservation and efficiency improvement

After high-temperature dust removal, direct SCR is carried out without the need for additional external energy supply and without energy consumption. SCR will not cause heavy metal poisoning and will not be covered by dust, leading to a decrease in catalytic efficiency.

✓ Reduce operating costs

The stable SCR catalytic efficiency can effectively reduce the usage of ammonia and greatly lower the operating cost.

Installation method

STEP1

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After placing the fiber sealing gasket between the flower plate and the flange of the filter tube, insert the filter tube through the holes in the flower plate

STEP2

//

Place the Venturi tube on the flange of the flower plate

STEP3

//

Place the fastening cover plate on the Venturi tube

STEP4

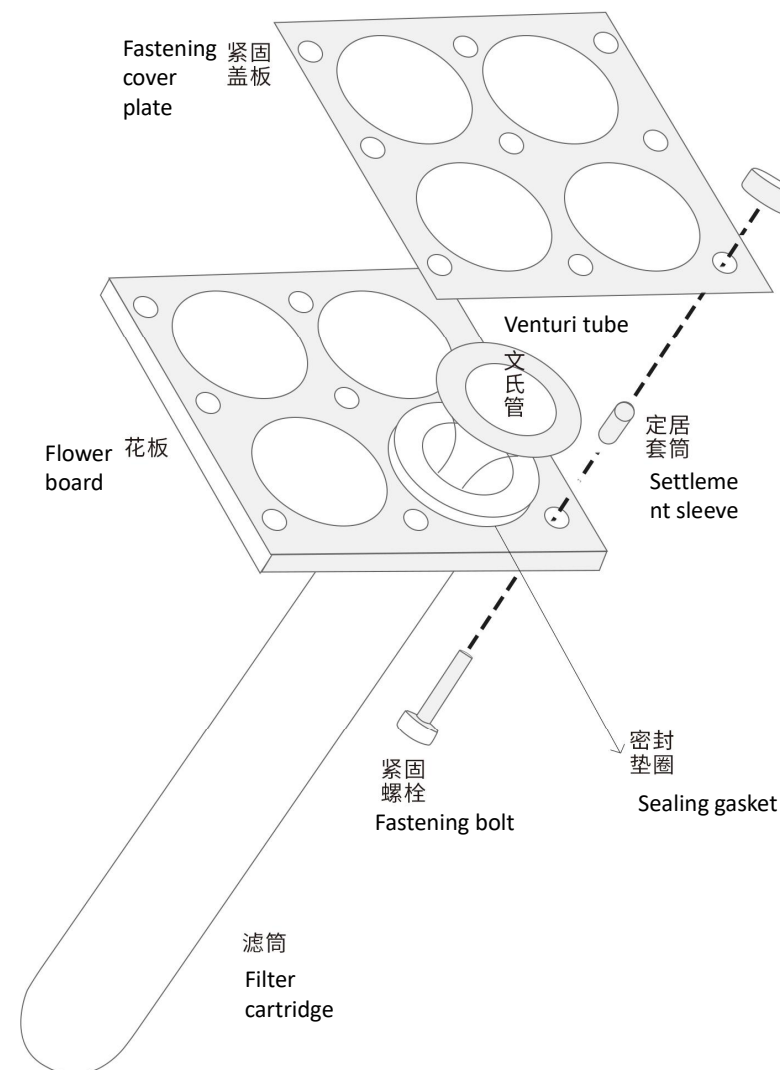
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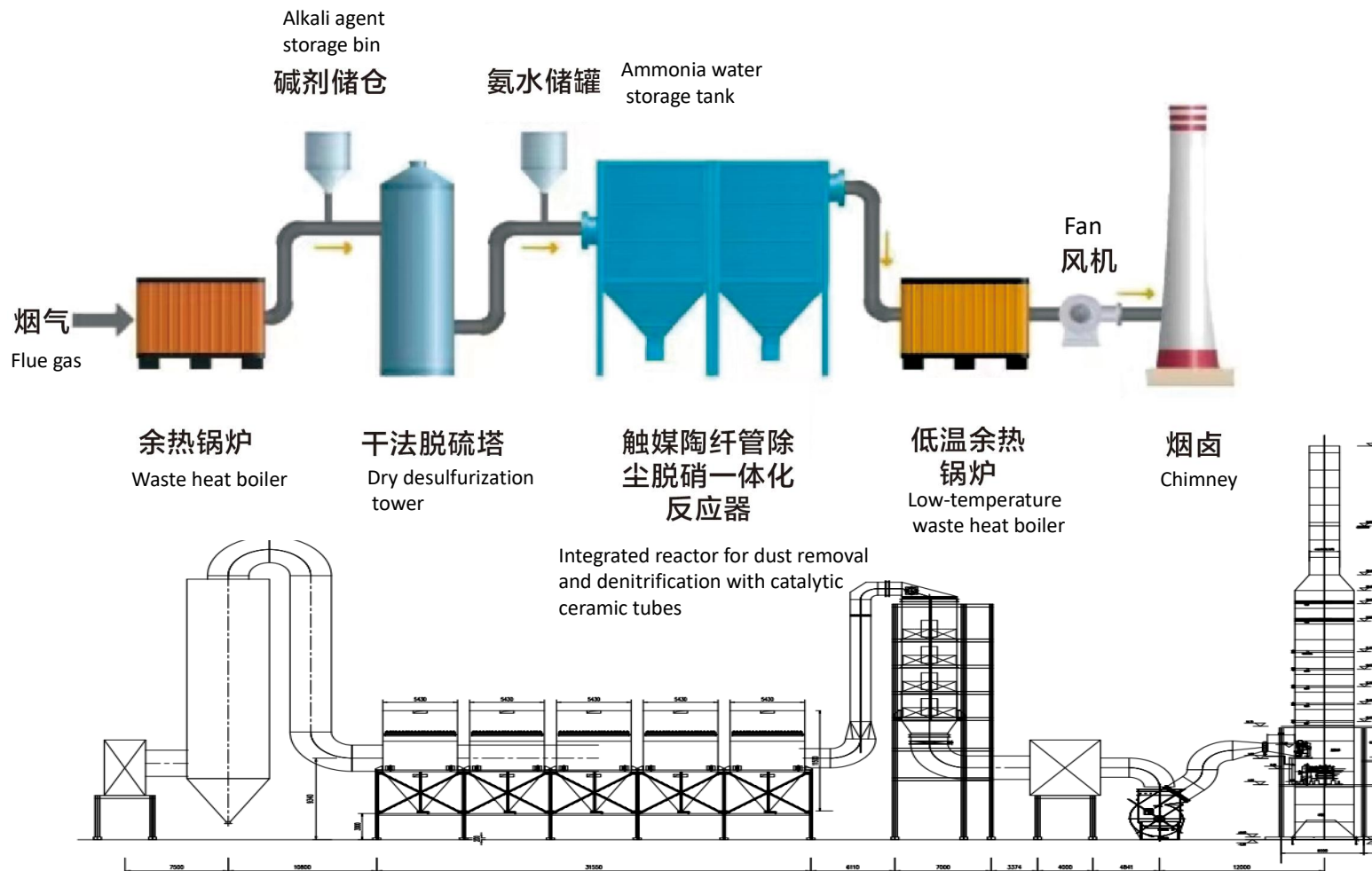
The outer sleeve of the settlement sleeve is placed on the fastening bolts (the fastening bolts should be passed through the reserved bolt holes on the flower plate from bottom to top before installing the filter tube, and fully welded at the lower part of the flower plate).

STEP5

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Retraction bolt, installation completed

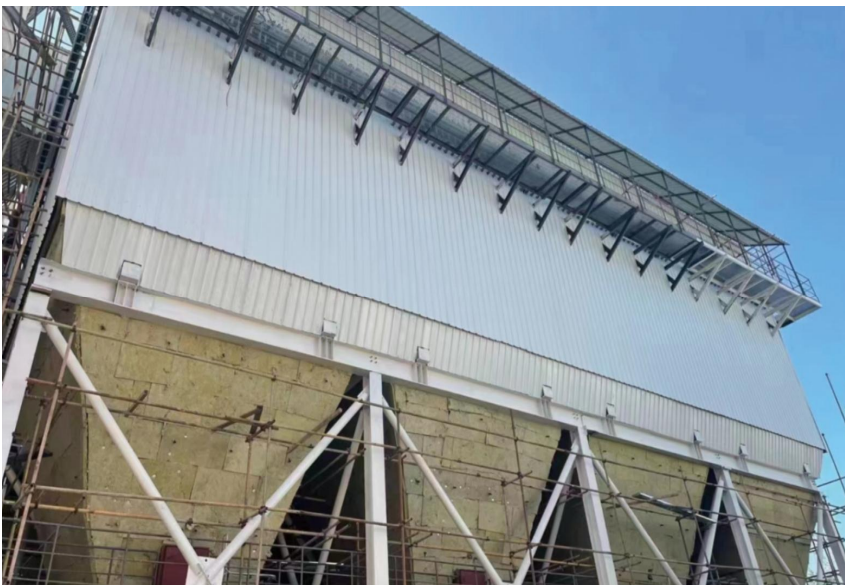
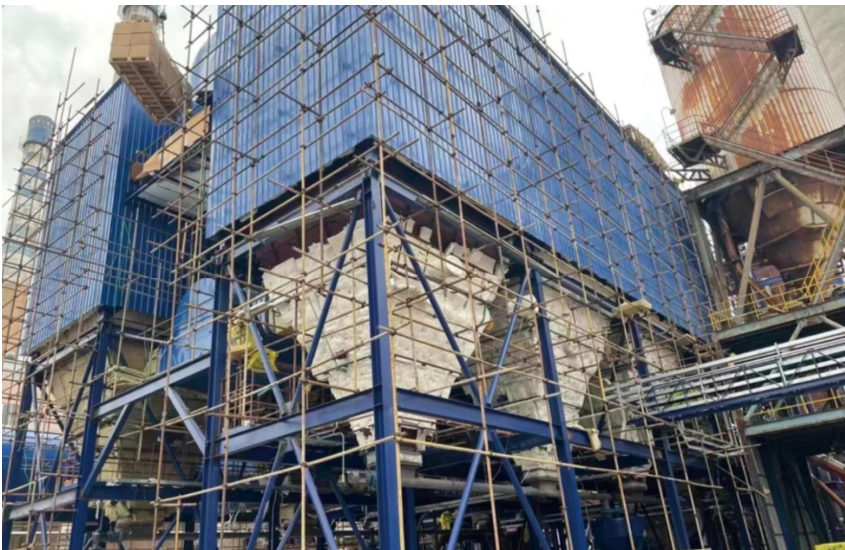




Advantages of the plan

- 1 The process flow has been reduced, and the dust collector and the denitration reaction chamber are combined into one.
- 2 The construction cost of the project has been significantly reduced, and the construction period has been shortened at the same time.
- 3 Operation and maintenance have become simpler and more convenient.

Case presentation



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THANK YOU

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