

ICS 13.040.30

J 88



**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 29152-2012

**Flue gas cleaning system for municipal
solid waste incineration**
垃圾焚烧尾气处理设备

Issued on December 31, 2012

Implemented on October 01, 2013

**Issued by General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Standardization Administration of the People's Republic of China

Contents

Foreword	1
1 Scope	2
2 Normative References	2
3 Terms and definitions	4
4 Process system	7
5 Technical requirements	11
6 Check and acceptance	14
7 Brand name, marking, package, transport and storage	15
Annex A (Informative) Typical process flow	16
Annex B (Normative) Requirements of absorbent, water source and gas source ..	19
Annex C (Informative) Performance test methods	20
Bibliography	23

Foreword

This standard is prepared according to the rules specified in GB/T 1.1-2009.

This standard is proposed by National Development and Reform Commission of the People's Republic of China.

This standard is under the jurisdiction of Environment Protection Machinery Subcommittee of National Technical Committee on Environmental Protection Products of Standardization Administration of China (SAC/TC 275/SC1).

The responsible drafting organizations are Zhejiang University, Zhejiang Feida Environment Protection Science Co., Ltd, Zhejiang Boqi Electric Power Science and Technology Co., Ltd, Zhejiang Blue Sky Environmental Protection Equipment Engineering Co., Ltd, Wuhan Kaidi Electric Environmental Protection Co., Ltd, Shanghai Electric Group, Shanghai Environmental Group Co., Ltd.

The chief drafting staff of this standard includes Gao Xiang, Guo Yongtao, Zhao Diaozhong, Li Xiongjie, Shu Yinggang, Chen Yougen, Cai Jingjing, Zhang Yongxin, Wu Zuliang, Xu Dian, Zhong Yi, Chen Zhaomei, Zhang Xiaoke, Ying Longbiao and Cui Ying.

Flue gas cleaning system for municipal solid waste incineration

1 Scope

This standard specifies the terms and definitions, process systems, technical requirements, inspection and acceptance, brand names, marking, packaging, transport and storage content of flue gas cleaning system for municipal solid waste incineration.

This standard applies to flue gas cleaning system for municipal solid waste incinerator.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB 150 Steel pressure vessels

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 699 Quality carbon structural steels

GB/T 912 Hot-rolled sheets and strips of carbon structural steels and high strength low alloy structural steels

GB/T 3077 Alloy structure steels

GB 3838-2002 Environmental quality standards for surface water

GB 4053.1 Safety requirements for fixed steel ladders and platform - Part 1: Steel vertical ladders

GB 4053.2 Safety requirements for fixed steel ladders and platform - Part 2: Steel inclined ladders

GB 4053.3 Safety requirements for fixed steel ladders and platform - Part 3: Industrial guardrails and steel platform

GB 5085.3 Identification standards for hazardous wastes - Identification for extraction toxicity

GB/T 6388 Transport package shipping mark

- GB/T 6719 Specifications for bag house
- GB/T 7701.1 Granular activated carbon from coal - Granular activated carbon from coal for gas adsorption
- GB 12801 General principles for the requirements of safety and health in production process
- GB/T 13306 Plates
- GB/T 14848-1993 Quality standard for ground water
- GB 18485 Standard for pollution control on the municipal solid waste incineration
- GB 50011 Code for seismic design of buildings
- GB 50016 Code of Design on Building Fire Protection and Prevention
- GB 50017 Code for design of steel structures
- GB 50040 Code for design of dynamic machine foundation
- GB 50057 Design code for protection of structures against lightning
- GB 50140 Code for design of extinguisher distribution in buildings
- GB 50222 Code for Fire Prevention in Design of Interior Decoration of Buildings
- GBZ 1 Hygienic standards for the design of industrial enterprises
- GBZ 2.1 Occupational exposure limits for hazardous agents in the workplace Part1: Chemical hazardous agents
- GBZ 2.2 Occupational exposure limits for hazardous agents in the workplace Part2: Physical agents
- GBJ 87 Specifications for the design of noise control system in industrial enterprise
- DL/T 5072 Code for designing insulation and painting of fossil fuel power plant
- DL/T 5142 Code for designing ash handling system of power plant
- DL/T 5153 Technical rule for designing auxiliary power system of fossil fuel power plants
- HJ/T 324 Specifications for environmental protection product Fabric for bag house
- HJ/T 326 Specifications for environmental protection product Membrane complex fabric for bag house
- HJ/T 327 Specifications for environmental protection product Bag house bag
- JB/T 4735 Steel welded atmospheric pressure vessels

- JB/T 5916 Electro-magnetic pulse jet valve for bag-house filters
- JB/T 5917 Bag cage for baghouse
- JB/T 5943 Engineering machinery General technical specifications for weldments
- JB/T 8532 Pulse-bag filter
- JC/T 478.1 Standard test methods for building lime—Part1: Methods for physical testing
- JC/T 478.2 Standard test methods for building lime —Part2: Methods for chemical analysis

3 Terms and definitions

For the purpose of this standard, the following terms and definitions shall apply.

3.1

Flue gas cleaning system for municipal solid waste incineration

Process system equipment for the removal of hazardous substances including smoke, SO₂, HCl, mercury, cadmium, lead, polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) from flue gas of municipal waste incineration include the equipment directly related to the process and ancillary utilities thereof.

3.2

Semi-dry flue gas treatment

In the flue gas cleaning system, absorbent reacts with pollutants of SO₂ and HCl in the flue gas under the wet environment to achieve the purpose of removal, while dry substances are generated.

3.3

Polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs)

The general terms of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs)

3.4

Absorbent

The material for the removal of SO₂ and HCl pollutant substances in the flue gas via chemical reaction, frequently-used substance is the calcium-based absorbent.

3.5



北京文心雕语翻译有限公司
Beijing Lancarver Translation Inc.

完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: info@lancarver.com

<http://www.lancarver.com>

线下付款方式：

1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

2. 支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！

