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

MZ/T 147-2019

**Basic specifications for production and manufacture of
cremator**

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Ministry of Civil Affairs of the People's Republic of China.

This standard is under the jurisdiction of the National Funeral Standardization Technical Committee (SAC/TC 354).

This standard was drafted. Qinhuangdao Haitao Wanfu Group Co., Ltd., Qinhuangdao Botao Environmental Protection Technology Co., Ltd., Beijing Social Management Institute of Technology, National Technical Committee of Funeral and Burial Standardization, Hangzhou Tongbiao Environmental Protection Group Co., Ltd., Shanghai Shendong Combustion Furnace Co., Ltd., Weihai Lu Yuan Technology Environmental Protection Equipment Co., Ltd., Xiamen Kaimu Management Consulting Co., Ltd.

1 Scope

This standard specifies the production conditions, production requirements and inspection requirements of cremator.

This standard applies to the manufacture of cremators.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 3002-2017 High temperature flexural strength test method for refractories GB/T 3797-2016 electrical control equipment GB/T 5226.1-2008 Machinery Electrical Safety Machinery Electrical Equipment Part 1. General Technical Conditions GB 7251.1-2013 Low-voltage switchgear and control equipment. Part 1. General GB/T 10233 Basic test method for low-voltage complete switchgear GB/T 16618 General rules for industrial furnace insulation technology GB/T 19054 General technical requirements for fuel cremators GB 50017-2017 steel structure design code GB 50052-2009 design code for power supply and distribution system GB 50211-2014 Code for Construction and Acceptance of Industrial Furnace Masonry GB 50681-2011 Code for architectural design of machinery industry plant JB/T 3375-2002 Boiler materials acceptance rules MZ/T XXX-XXXX General technical requirements for gas cremator

3 Terms and definitions

The terms and definitions defined in GB 19054 and the following apply to this document.

Production and manufacture of cremator A series of standardized processing from raw material blanking, welding, and assembly to make cremator reach the factory standard process.

Fuel gas cremator

A cremator that uses natural gas, coal gas, and liquefied petroleum gas as fuel.

Note: It consists of furnace body, combustion system, electronic control system, discharge system and corpse system.

Raw material inspection the process of inspecting raw materials using instruments or tools.

4.1 Qualifications

The cremator manufacturing unit should have the following qualifications.

- a) business license;
- b) fire inspection acceptance certificate;
- c) Environmental impact assessment acceptance certificate;

- d) Product qualification test report issued by the testing agency.

4.2 Personnel conditions

4.2.1

The cremator production and manufacturing unit shall have the highest technical manager. The highest technical manager shall meet the following requirements.

- a) College degree or above in related majors;
- b) has more than 5 years experience in manufacturing cremation equipment;
- c) master relevant policies and standards of the funeral industry;
- d) Capable of business management and risk management and control.

4.2.2

The person in charge of cremator production and manufacturing shall meet the following conditions.

- a) Have more than 5 years work experience in machinery manufacturing;
- b) College degree or above in mechanical manufacturing or electrical automation.

4.2.3

The person in charge of the quality of cremator production shall meet the following conditions.

- a) Have more than 3 years of work experience in quality management;
- b) College degree or above in mechanical manufacturing or electrical automation.

4.2.4

The cremator development and design personnel shall meet the following conditions.

- a) College degree or above in related majors;
- b) Have more than 3 years of relevant professional development and design experience;
- c) Master relevant professional design standards.

4.2.5

Skilled personnel in cremator production and manufacturing shall meet the following conditions.

- a) have relevant professional vocational skill level certificate;
- b) meet the professional technical operation requirements of the post;
- c) Special operation posts shall comply with relevant regulations.

4.3 Facilities and equipment conditions

4.3.1

The design of the cremator production workshop and warehouse should meet the relevant requirements of GB 50681-2011.

4.3.2

The cremator production and manufacturing unit shall have a blanking area, a riveting area, a machining area, a grinding area, etc., and each area shall be clearly marked.

4.3.3

The cremator production and manufacturing unit should have a product development and testing laboratory.

4.3.4

The fire protection system of the cremator production workshop shall meet the requirements of GB 50016-2006. Escape routes and safety exits shall be provided.

Fire equipment and emergency lighting.

4.3.5

The power supply system of cremator production workshop should meet the requirements of GB 50052-2009.

4.3.6

Cremator production and manufacturing equipment shall include but is not limited to.

- a) CNC cutting and cutting machine;
- b) bending machine;
- c) Shearing machine;
- d) electric welding machine;
- e) CNC lathe;
- f) hydraulic presses;
- g) sawing machines;
- h) drilling machines;
- i) punching;
- j) Reel machine.