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

GB/T 10836-2021

Shipboard multifunctional incinerators

Issued on: August 20, 2021

Implemented on: March 1, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document replaces GB/T 10836-2008 "Requirements for Shipbuilding and Ship Technology Marine Incinerators", and is consistent with GB/T 10836-2008

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Modified the heat capacity of the incinerator (see Chapter 1, Chapter 1 of the.2008 edition);
- Modified some cited documents (see Chapter 2, Chapter 2 of the.2008 edition);
- Relevant terms and definitions have been revised (see Chapter 3, Chapter 3 of the.2008 edition);
- The classification and basic parameters of incinerators have been added (see Chapter 4);
- Modified some technical requirements of incinerators (see Chapter 5, Chapter 4~Chapter 8 of the.2008 edition);
- Modified the incinerator test method and inspection rules (see Chapter 6, Chapter 7, Chapter 9 of the.2008 edition);
- Incinerator packaging, transportation and storage requirements have been added (see Chapter 9);
- Added ISO 18309.2014 related content (see Appendix E).

This document is drafted with reference to ISO 18309.2014 ``Guidelines for Capacity and Selection of Ship and Offshore Technology Incinerators".

Equivalent.

1 Scope

The classification and product marking, requirements, test methods, and inspection regulations of marine multifunctional incinerators (hereinafter referred to as incinerators) specified in this document

Rules, signs, packaging, transportation and storage, etc.

This document is applicable to the unit heat capacity not greater than 4000kW, used for incineration of garbage and other waste generated during the normal operation of the ship Incinerators for wastes (such as maintenance, operation, household and freight incidental waste, etc.).

This document does not apply to incinerators with special purposes, such as incinerators used for incineration of chemical substances, production waste and other industrial wastes.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 4208-2017 Enclosure protection grade (IP code)

GB/T 7357 Ship electrical equipment system design protection

GB/T 7358-1998 Ship Electrical Equipment System Design General Principles

GB/T 13029.1-2003 Selection and installation of cables for low-voltage power systems of marine electrical installations

GB/T 13384 General technical conditions for packaging of mechanical and electrical products

GB/T 29484 Ship Electrical Equipment Part 503.AC power supply with a special voltage above 1kV and not more than 15kV

system

GB/T 35712 Generators and Motors for Ship Electrical Equipment

International Convention for the Safety of Life at Sea (SOLAS) [International Maritime Organization (IMO), 2014]

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Cargo-associated waste

The waste generated during the stowage, loading and unloading of cargo on ships.

Note. Generally, it includes lining board, support board, lining material, packaging material, plywood, paper, cardboard, iron wire and steel strapping.

3.2

Cargo residue cargoesidues

Residues in the process of ship freight and goods stacking, that is, those that cannot be loaded in the cargo hold (overloading and overflow) or remain residual after unloading

Wastes left in the cargo hold (unloading residue and overflow).

3.3

Domesticwaste

Food wastes, domestic sewage and other wastes produced in the living quarters of ships, but excluding grey water.

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