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

GB/T 28963-2020

Replacing GB/T 28963-2012

**Ships and marine technology--Fire-extinguishing systems for
protection of galley cooking equipment**

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Foreword

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

This standard replaces GB/T 28963-2012 "Ship and Offshore Technology Marine Kitchen Cooking Equipment Fire Fighting System", and

Compared with GB/T 28963-2012, the main technical changes except for editorial changes are as follows.

---Modified the terms and definitions of bottle, valve assembly, driving cylinder, automatic operation, manual operation, and tilting boiler (see Chapter 2, 2012

Chapter 2 of the Year Edition);

---Added the definition of steamer (see 2.36);

---Modified the mechanical starting device, and added "except for the provisions of 4.4.14" (see 4.4.13, 2012 edition of 4.4.13);

---Modified the system release time requirements [see 5.1.1.2b), 5.1.1.2b) of the 2012 edition].

The translation method used in this standard is equivalent to ISO 15371:2015 "Ship and Marine Technology Marine Kitchen Cooking Equipment Fire Fighting System".

This standard was proposed and managed by the National Marine Machinery Standardization Technical Committee (SAC/TC137).

Drafting organizations of this standard. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, Guangzhou Yonghong Fire Fighting Equipment Co., Ltd., Fujian Tianguang Fire Fighting

Co., Ltd., Dongtai Xingdun Marine Equipment Co., Ltd., Dongtai Jianghai Lifesaving Fire Equipment Co., Ltd., Shanghai Xiaoxiang Fire Equipment Co., Ltd.

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China Classification Society Wuhan Branch, China Classification Society Jiangsu Branch.

1 Scope

This standard specifies the performance requirements of components and parts when the prefabricated fire extinguishing system unit is applied with a specific type, configuration, specification and layout, to

And minimum requirements for testing and component evaluation.

This standard applies to the design and testing of prefabricated fire extinguishing systems that protect the fume hoods, exhaust ducts, fryer and other oil-containing appliances in marine galleys.

Inspection and operation.

Features, characteristics, components, materials or systems that are new or different from the products within the scope of this standard, and have potential for fire, electric shock or

The risk of personal injury can be assessed with reference to this standard using appropriate additional tests for components or finished products.

Note. Among the kitchen cooking equipment included in this standard, only deep-fried cooking equipment is equipped in accordance with the requirements of 10.6.4 in Chapter II-2 of the SOLAS Convention

Equipped with fixed fire extinguishing system.

2 Terms and definitions

The following terms and definitions apply to this document.

2.1

Auxiliary equipment

Equipment related to fire extinguishing system.

Example. A device used to cut off power, fuel, or ventilation in a protected area, or initiate an alarm or signal.

2.2

Cooking appliance

It has cooking utensils that can form an oil surface or use fat for cooking.

Examples. deep fryers, pans, stoves, chain ovens, electric ovens, charcoal grills, wood grills, gas grills, woks, tilting cookers/steamers, and similar cooking

Cooking utensils.

Note. The protection area is limited to the cooking area of the above appliances.

2.3

Cooking grease

Grease

Synthetic non-foaming medium for plant pressing.

2.4

Bottle cylinder

Valve assembly

A valve-mounted container that stores fire extinguishing agent and driving gas (until the valve is opened).

Note. For a gas storage unit, this component includes a fire extinguishing agent storage container and a gas storage device.

2.5

Deep fat fryer

Commercial electronic cooking appliances that use deep cooking fat for cooking.