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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 17728-2025

Replacing GB/T 17728-1999

Oil spill skimmer

浮油回收装置

Issued on: August 29, 2025 **Implemented on: March 1, 2026**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 17728-1999 "Oil Floating Recovery Devices". Compared with GB/T 17728-1999, the only differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

---The scope of application has been changed (see Chapter 1);

---Added terms and definitions (see Chapter 3);

---Product classifications and labeling have been changed (see Chapter 4, Chapter 3 of the.1999 edition);

---Added requirements for appearance quality and materials (see 5.1, 5.2);

---The structural requirements have been changed (see 5.3,

4.4 in the.1999 edition);

---Requirements regarding the free water content in the discharged oil, applicability, and speed regulation of the turntable (drum) have been removed (see sections

4.3.2 of the.1999 edition). 4.3.3);

---The recycling performance parameters have been changed (see 5.4.1,

3.2 of the.1999 version);

---Increased requirements for operational stability and waste adaptability (see

5.4.4 and 5.4.5);

1 Scope

GB/T 17728-2025 is the Chinese national standard on oil spill skimmer, in the field of shipbuilding and marine structures. The /T suffix marks it as a recommended standard: it is

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not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2026. Classification: ICS 47.020.50, CCS U25. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the terms and definitions, requirements, test methods, inspection rules, and standards for oil spill recovery devices (hereinafter referred to as "recovery devices"). Labeling, packaging, storage and transportation. This document applies to the design and manufacture of recovery devices for floating oil products with a kinematic viscosity of 1.0 x 10^5 mm^2/s to 3.0 x 10^5 mm^2/s. Manufacturing, testing and acceptance.

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2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 712-2022 Structural Steel for Shipbuilding and Marine Engineering

GB/T 3280-2015 Stainless steel cold-rolled sheet and strip

GB/T 4208-2017 Degrees of protection provided by enclosures (IP code)

GB/T 5312 Seamless steel pipes made of carbon steel and carbon manganese steel for shipbuilding

GB/T 10544 Rubber hoses and hose assemblies - Steel wire-wound reinforced rubber-coated hydraulic hoses suitable for oil-based or water-based fluids specification
GB/T 13306 Nameplates

GB/T 16693 Quick-connect hoses

GB/T 22641-2020 Marine Aluminum Alloy Plates

GB/T 37446-2019 Marine brush oil skimmer

GB/T 37447-2019 Marine Belt Oil Sink

3 Terms and Definitions

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The terms and definitions defined in GB/T 37446-2019 and GB/T 37447-2019, as well as the following terms and definitions, apply to this document.

3.1 Oilspilskimmer Mechanical devices used to recover oil spills or oil-water mixtures from water surfaces without altering their physical or chemical properties.

3.2 floatbody floatbody A device that provides buoyancy for equipment such as oil recovery heads, hydraulic pipes, and oil delivery pipes.

3.3 recovery rate The total amount of oil-water mixture recovered per unit time.

3.4 Recovery efficiency The percentage of pure oil recovered per unit time relative to the total amount of oil-water mixture.

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