

ICS 47.020.30
CCS U 50



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

GB/T 27888.3-2011

**Ship and marine technology -- Drainage systems on ships and
marine structures -- Part 3: Sanitary drainage, drain piping for
vacuum systems**

船舶与海上技术 船舶与海上结构物的排水系统 第3部分：真空系统的卫生水排放
及排放管道

(English Translation)

Issued on: December 30, 2011

Implemented on: June 1, 2012

Issued by: Standardization Administration of China

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Foreword

GB/T 27888 "Ships and marine technology - Ship and marine structures drainage system" is divided into five sections.

- Part 1. Sanitary water discharge system design;
- Part 2. Gravity water drain system and sanitary drains;
- Part 3. Emission and sanitation water piping vacuum system;
- Part 4. water sanitation and wastewater discharge pipe;
- Part 5. decks, holds and pool drainage.

This section GB/T 27888 Part 3.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 15749-3:2004 "Ships and marine technology - Ship and marine structures - drainage systems Part 3. Emission and sanitation water pipe "vacuum system.

Consistency correspondence between this part of the normative references in international instruments and in our country the following documents.

- GB/T 27888.1 Ships and marine technology - Ship and marine structures - drainage systems - Part 1. Sanitary water discharge system System design (ISO 15749-1:2004, IDT);
- GB/T 27888.4 Ships and marine technology - Ship and marine structures - drainage systems - Part 4. sanitation and water discharge Sewage pipe (ISO 15749-4:2004, IDT).

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Marine Machinery Standardization Technical Committee Piping Accessories Technical Committee (SAC/TC137/SC3) centralized.

This section is drafted. Wuxi Jinyang pipeline Accessories Co., Ltd., China Shipbuilding

Technology and Economy Research Institute.

1 Scope

This section GB/T 27888 provides for ships and offshore structures and the vacuum system of pipes and accessories, discharge piping layout, emissions Pipeline capacity, sewage collection tank and sewage treatment plants, to determine the amount of air and the like.

This section applies to ships and offshore structures vacuum system design sanitary water discharge pipe.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 65 in accordance with ISO 7/1 tapping carbon steel pipe
(Carbonsteeltubessuitableforscrewinginaccordance withISO 7-1) ISO 264 pressure tubes
hard polyvinyl chloride (PVC) pipe mounting flat socket length Metric series
(Unplasticizedpolyvinyl chloride (PVC)
fittingswithplainsocketsforpipesunderpressure-Layinglengths-Metricseries) ISO 4200
Welding and seamless plain end steel pipe dimensions and weight per unit length
(Plainendsteeltubes, weldedand
seamless-Generaltablesofdimensionsandmassesperunitlength) ISO 9329-1 technical
delivery conditions of seamless steel tubes for pressure purposes - Part 1. Non-alloy steels
with specified room temperature properties
(Seamlesssteeltubesforpressurepurposes-Technicaldeliveryconditions-Part 1.
Unalloyedsteels withspecifiedroomtemperatureproperties) ISO 9330-1 Technical delivery
conditions for welded steel tubes for pressure purposes - Part 1. Non-alloy steel tubes with
specified room temperature properties
(Wel-dedsteeltubesforpressurepurpose-Technicaldeliveryconditions-Part 1.
Unalloyedsteeltubes withspecifiedroomtemperatureproperties) ISO 15749-1 Ships and
marine technology - Ship and marine structures - drainage systems - Part 1. Sanitary water
discharge system
(Shipsandmarinetechonology-Drainagesystemsonshipsandmarinestructures-Part 1. Sanitary
drainage-systemdesign) ISO 15749-4 Ships and marine technology - Ship and marine
structures - drainage systems - Part 4. water sanitation and sewage discharge Li tube
(Shipsand marinetechonology-Drainagesystemsonshipsand marinestructures-Part 4.
Sanitarydrainage, sewagedisposalpipes) Marine plastic pipe Application Guide IMO A.753
(18) 1) IMO [IMOPublicationA.753 (18) Guidelinesfortheapplicationofplasticpipesonships]

3 Terms and Definitions

Terms and definitions defined in ISO 15749-1 apply to this document.

1) publication of the International Maritime Organization, London. Available (London W1V, Piccadilly 101-104) in the Press Secretariat of the International Maritime Organization.