

Ships and marine technology - Drainage systems on ships and marine structures - Part 1: Sanitary drainage systems design (ISO 15749-1:2004, IDT)

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Als Nederlandse norm is aanvaard:
- EN ISO 15749-1:2004, IDT
- ISO 15749-1:2004, IDT

Normcommissie 345 040 "Schepen en maritieme techniek"

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Nederlands voorwoord

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<u>vermelde norm</u>	<u>Nederlandse norm</u>	<u>titel</u>
ISO/R 538	-	-
ISO 727-1	-	-
ISO 1964	NEN-ISO 1964	Scheepsbouw - Aanduiding van onderdelen op het algemeen plan van schepen (en,fr)
ISO 4067-1	NEN-ISO 4067-1	Technische tekeningen - Installaties - Deel 1: Grafische symbolen voor loodgieterswerk, verwarming, ventilatie en kanaalsystemen (nl)
ISO 4067-2	-	-
ISO 10628	NEN-EN-ISO 10628	Stroomschema's voor de procestechniek - Algemene regels (en)
ISO 14617-3	-	-
ISO 15749-2	NEN-EN-ISO 15749-2	Scheepsbouw en maritieme techniek - Rioleringsystemen op schepen en maritieme constructies - Deel 2: Sanitaire riolering, riolering onder vrij verval (en)
ISO 15749-3	NEN-EN-ISO 15749-3	Scheepsbouw en maritieme techniek - Rioleringsystemen op schepen en maritieme constructies - Deel 3: Sanitaire riolering, rioleringsbuizen voor vacuümsystemen (en)
ISO 15749-4	-	-
ISO 15749-5	NEN-EN-ISO 15749-5	Scheepsbouw en maritieme techniek - Rioleringsystemen op schepen en maritieme constructies - Deel 5: Riolering van scheepsdekken, laadruimtes en zwembaden (en)

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English version

**Ships and marine technology - Drainage systems on ships and
marine structures - Part 1: Sanitary drainage-system design
(ISO 15749-1:2004)**

Navires et technologie maritime - Installations de drainage
sur navires et structures maritimes - Partie 1: Conception
des systèmes d'écoulement sanitaires (ISO 15749-1:2004)

Schiffe und Meerestechnik - Entwässerungsanlagen auf
Schiffen und Seebauwerken - Teil 1: Sanitär-
Entwässerung, Auslegung der Anlage (ISO 15749:2004)

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Foreword

This document (EN ISO 15749-1:2004) has been prepared by Technical Committee ISO/TC 8 "Ships and marine technology" in collaboration with Technical Committee CEN/TC 300 "Sea-going vessels and marine technology", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

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Endorsement notice

The text of ISO 15749-1:2004 has been approved by CEN as EN ISO 15749-1:2004 without any modifications.

INTERNATIONAL
STANDARD

ISO
15749-1

First edition
2004-05-01

**Ships and marine technology —
Drainage systems on ships and
marine structures —**

**Part 1:
Sanitary drainage-system design**

*Navires et technologie maritime — Installations de drainage sur navires
et structures maritimes —*

Partie 1: Conception des systèmes d'écoulement sanitaires

Preview



Reference number
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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15749-1 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 3, *Piping and machinery*.

ISO 15749 consists of the following parts, under the general title *Ships and marine technology — Drainage systems on ships and marine structures*:

- *Part 1: Sanitary drainage-system design*
- *Part 2: Sanitary drainage, drain piping for gravity systems*
- *Part 3: Sanitary drainage, drain piping for vacuum systems*
- *Part 4: Sanitary drainage, sewage disposal pipes*
- *Part 5: Drainage of decks, cargo spaces and swimming pools*

Ships and marine technology — Drainage systems on ships and marine structures —

Part 1: Sanitary drainage-system design

1 Scope

This part of ISO 15749 is valid, in conjunction with ISO 15749-2 to ISO 15749-4, for planning and designing drainage systems which evacuate wastewater from accommodation and commissary areas (sanitary drainage) on ships and marine structures.

Drainage of weather decks, cargo holds and swimming pools is covered by ISO 15749-5.

This series of standards takes into consideration the basic regulations and minimum requirements concerning hygienic requirements and the protection of the marine environment.

This part of ISO 15749 does not apply to pipe systems carrying oily, chemically contaminated wastewater capable of forming flammable gas/oxygen mixtures.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IMO Publication MARPOL, *Protocol of 1978 relating to the international convention for the prevention of pollution from ships 1973, Annex IV/Regulations for the prevention of pollution by sewage from ships*¹⁾

IMO Publication MEPC.2 (VI), *Recommendation on international effluent standards and guidelines for performance tests for sewage treatment plants, January 1977*¹⁾

IMO Publication MSC/Circ. 648, *Annex Guidelines for the operation, inspection and maintenance of ship sewage systems*¹⁾

IMO Resolution A.753 (18), *Guidelines for the application of plastic pipes on ships*

ISO/R 538, *Conventional signs to be used in the schemes for the installations of pipeline systems in ships*

ISO 727-1, *Fittings made from unplasticized poly(vinyl chloride) (PVC-U), chlorinated poly(vinyl chloride) (PVC-C) or acrylonitrile/butadiene/styrene (ABS) with plain sockets for pipes under pressure — Part 1: Metric series*

ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods*

1) Published by International Maritime Organization, London.
Available from IMO Secretariat, Publications Section, 101-104 Picadilly, London W1V, United Kingdom.

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