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

GB/T 21481.2-2008

**Ships and marine technology -- Potable water supply on ships
and marine structures -- Part 2: Method of calculation**

船舶与海上技术 船舶和海上结构物上生活用水供应 第2部分: 计算方法

(English Translation)

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Table of Contents

Preface
1 Scope
2 Normative references
3 1 domestic water consumption
Domestic water storage 2
5 System components to determine the size of
6 Flow rate of
7 Supply pressure
8 Pressure generation and maintenance of
9 Water supply pipe diameter
10 Hot water consumption
11 Water Heater
12 Circulation line and a circulation pump
13 Examples
Appendix A (normative) to calculate the reference value chart
Annex B (informative) Calculation Form
Annex C (informative) study
Annex D (informative) sanitary installation information

Foreword

GB/T 21481 "Ships and marine technology on ships and marine structures - domestic water supply" is divided into two parts.

--- Part 1. Planning and design;

--- Part 2. Calculation Method.

This section GB/T 21481 Part 2, identical with ISO 15748-2:2002 "Ships and marine technology ships and marine knot the structures for domestic water supply - Part 2. Calculation Method "(in English).

For ease of use, this section made the following editorial changes.

--- "This International Standard" be replaced by "this section";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Delete international standards foreword.

This section of the Appendix A, Appendix B, Appendix C, Appendix D are informative appendices.

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Standardization Technical Committee Marine boat centralized.

This section drafted by. China Shipbuilding Technology and Economy Research Institute.

1 Scope

This section applies to the ship, a fixed or floating offshore structures and vessels inland domestic water supply system planning, design and Arrangement.

This section applies to determine the ship's living water, and pressurized water storage device performance parameters, water heaters, pumps and other equipment.

Note: Allow the use of plastic piping in line with the requirements of ISO 15748. However, due to restricted classification society requirements, such tubing has been rarely used. Due to the scope of use Limit, this section does not include plastic piping pressure loss calculations.

2 Normative references

The following documents contain provisions which, through reference GB/T 21481 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

21481.1 Ships and marine technology on ships and marine structures - domestic water supply - Part 1 GB/T . Planning and design (GB/T 21481.1-2008, ISO 15748-1:2002, IDT)
ISO 65 with a threaded in accordance with ISO 7-1 carbon steel ISO 161-1 Thermoplastics fluid delivery pipe nominal diameters and nominal pressures - Part 1. Metric series ISO 274 brass circular cross section dimension Inertial mass ISO 1127 stainless steel tube dimensions, tolerances and unit length ISO 4200 inertial mass table welding seamless pipe size flat head and per unit length ISO 5620-1 ships and offshore structures for drinking water tanks injection fittings - Part 1. General requirements

3.1 General requirements

Domestic water consumption depends on the type of ship, working time (crew and passengers of flight time), the number of domestic water supply points and cruise area.

Should refer to Table A. Estimated 1 day domestic water supply.

Associated with planned or existing domestic water supply points, respectively, domestic water consumption should refer to Table A. 2 (for cargo ships) and Table A. 3 (for Passenger ships) calculations.

Water technology and equipment 3.2 Living water air-conditioning and air humidifiers and other technical equipment to be provided by the manufacturer to determine the information and are included in the provisions of 3.1 Domestic water consumption.

Domestic water consumption of 3.3 Service Equipment the following is a reference service life of various types of water equipment, specific values should consult the manufacturer. Living water service equipment should be counted

3.1

The provisions of domestic water.

- Dirt grinder. 20L/min;
- Dishwasher. washing dishes per aircraft need 3L ~ 8L;
- Coffee machine. Hourly 18L ~ 20L;

GB/T 21481.2-2008/ISO 15748-2:2002