# ISO 15748-1:2002-05 (E)

## Ships and marine technology - Potable water supply on ships and marine structures - Part 1: Planning and design

## Contents


Page

Foreword ..... iv

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 2

4 Capacity requirements ..... 5

5 Sanitary requirements ..... 5

6 Potable water supply systems ..... 6

7 Technical requirements ..... 7

8 Pipelines ..... 7

9 Pipes and pipe dimensions ..... 9

10 Fittings and pipe joints ..... 9

11 Fittings ..... 9

12 Protective fittings ..... 10

13 Pumps ..... 10

14 Potable water tanks ..... 11

15 Potable water heating plants ..... 13

16 Sterilization of potable water ..... 16

17 Layout of piping ..... 18

18 Calculation principles ..... 21

19 Testing and flushing of pipelines ..... 21

Annex A (informative) Explanations ..... 22

Annex B (informative) Appropriate pipe dimensions ..... 23

Annex C (informative) Inspection and maintenance of filters ..... 25

Bibliography ..... 26