

Aircraft ground support equipment — Specific requirements —

Part 12: Potable water service equipment

ICS 49.100

National foreword

This British Standard is the UK implementation of EN 12312-12:2002+A1:2009. It supersedes BS EN 12312-12:2002, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1.

The UK participation in its preparation was entrusted to Technical Committee ACE/57, Air cargo and ground support equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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English Version

Aircraft ground support equipment - Specific requirements - Part 12: Potable water service equipment

Matériel au sol pour aéronefs - Exigences particulières -
Partie 12: Matériel d'alimentation en eau potable

Luftfahrt-Bodengeräte - Besondere Anforderungen - Teil
12: Trinkwasser-Servicegeräte

This European Standard was approved by CEN on 29 May 2002 and includes Amendment 1 approved by CEN on 1 March 2009.

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Contents

	page
Foreword.....	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 List of hazards.....	5
5 Safety requirements and/or measures	5
5.1 General requirements.....	5
5.2 Tanks.....	6
5.3 Water systems.....	7
5.4 Workplaces.....	7
6 Information for use	8
6.1 Marking	8
6.2 Additional marking	8
6.3 Warnings.....	8
6.4 Instructions	8
7 Verification of requirements	9
Annex A (informative) Examples of potable water service equipment.....	10
Annex B (normative) List of hazard.....	11
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	13
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	14
Bibliography	15

Foreword

This document (EN 12312-12:2002+A1:2009) has been prepared by Technical Committee CEN/TC 274 "Aircraft ground support equipment", 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 October 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

This document includes Amendment 1, approved by CEN on 2009-03-01.

This document supersedes EN 12312-12:2002.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

A1 For relationship with EU Directives, see informative Annexes ZA and ZB, which are integral parts of this document. A1

The Parts of EN 12312 — Aircraft ground support equipment — Specific requirements — are:

- Part 1: Passenger stairs
- Part 2: Catering vehicles
- Part 3: Conveyor belt vehicles
- Part 4: Passenger boarding bridges
- Part 5: Aircraft fuelling equipment
- Part 6: Deicers and deicing/antiicing equipment
- Part 7: Aircraft movement equipment
- Part 8: Maintenance stairs and platforms
- Part 9: Container/Pallet loaders
- Part 10: Container/Pallet transfer transporters
- Part 11: Container/Pallet dollies and loose load trailers
- Part 12: Potable water service equipment
- Part 13: Lavatory service equipment
- Part 14: Disabled/Incapacitated passenger boarding equipment
- Part 15: Baggage and equipment tractors
- Part 16: Air start equipment
- Part 17: Air conditioning equipment
- Part 18: Nitrogen or Oxygen units
- Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions
- Part 20: Ground power equipment

Annex A is informative and annex B is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard specifies health and safety requirements, as well as some functional and performance requirements for potable water service equipment intended for servicing all aircraft types commonly in service in civil air transport.

The minimum essential criteria are considered to be of primary importance in providing safe, serviceable, economical, and practical potable water service equipment. Deviations from the recommended criteria should occur only after careful consideration, extensive testing, risk assessment and thorough service evaluation have shown alternative methods or conditions to be satisfactory.

This European Standard is a Type C standard as stated in [A1](#) EN ISO 12100 [A1](#).

1 Scope

This European Standard specifies the technical requirements to minimise the hazards listed in clause 4 which can arise during the commissioning, operation and maintenance of potable water service equipment when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognised as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies.

This standard applies to:

- self-propelled potable water vehicles;
- towable potable water vehicles;
- moveable parts of ramp integrated systems,

designed for servicing aircraft and intended to be used under the conditions given in clause 1 of EN 1915-1:2001 (Examples see annex A).

This standard does not establish requirements for hazards caused by noise and vibration.

This Part of EN 12312 is not applicable to potable water service equipment which is manufactured before the date of publication of this standard by CEN.

[A1](#) This part of EN 12312 is intended to be used in conjunction with EN 1915-1, EN 1915-2, EN 1915-3 (for vehicles) and EN 1915-4. [A1](#)

2 Normative references

[A1](#) 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. [A1](#)

[A1](#) *deleted text* [A1](#)

EN 954-1:1996, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

EN 1050:1996, *Safety of machinery — Principles for risk assessment*

[A1](#) *deleted text* [A1](#)

[A1](#) EN 1837 [A1](#), *Safety of machinery — Integral lighting of machines*