



**BSI Standards Publication**

## **Washer-disinfectors**

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Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for critical and semi-critical medical devices

This is a preview of BS EN ISO 15883-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN ISO 15883-2:2025. It is identical to ISO 15883-2:2024. It supersedes BS EN ISO 15883-2:2009, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/198, Sterilization and Associated Equipment and Processes.

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

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This publication has been prepared under a mandate given to the European Standards Organizations by the European Commission and the European Free Trade Association. It is intended to support requirements of the EU legislation detailed in the European Foreword. A European Annex, usually Annex ZA or ZZ, describes how this publication relates to that EU legislation.

For the Great Britain market (England, Scotland and Wales), if UK Government has designated this publication for conformity with UKCA marking (or similar) legislation, it may contain an additional National Annex. Where such a National Annex exists, it shows the correlation between this publication and the relevant UK legislation. If there is no National Annex of this kind, the relevant Annex ZA or ZZ in the body of the European text will indicate the relationship to UK regulation applicable in Great Britain. References to EU legislation may need to be read in accordance with the UK designation and the applicable UK law. Further information on designated standards can be found at [www.bsigroup.com/standardsandregulation](http://www.bsigroup.com/standardsandregulation).

For the Northern Ireland market, UK law will continue to implement relevant EU law subject to periodic confirmation. Therefore Annex ZA/ZZ in the European text, and references to EU legislation, are still valid for this market.

UK Government is responsible for legislation. For information on legislation and policies relating to that legislation, consult the relevant pages of [www.gov.uk](http://www.gov.uk).

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2025.

**Amendments/corrigenda issued since publication**

Date	Text affected
31 May 2025	Typesetting errors in Table ZA.1 and Table ZA.2 corrected

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## EUROPÄISCHE NORM

March 2025

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Supersedes EN ISO 15883-2:2009

English Version

## Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for critical and semi-critical medical devices (ISO 15883-2:2024)

Laveurs désinfecteurs - Partie 2: Exigences et essais pour laveurs désinfecteurs destinés à la désinfection thermique des dispositifs médicaux critiques et semi-critiques (ISO 15883-2:2024)

Reinigungs-Desinfektionsgeräte - Teil 2: Anforderungen und Prüfverfahren von Reinigungs-Desinfektionsgeräten mit thermischer Desinfektion für kritische und semikritische Medizinprodukte (ISO 15883-2:2024)

This European Standard was approved by CEN on 11 November 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## European foreword

This document (EN ISO 15883-2:2025) has been prepared by Technical Committee ISO/TC 198 "Sterilization of health care products" in collaboration with Technical Committee CEN/TC 102 "Sterilizers and associated equipment for processing of medical devices" 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 September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

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

This document supersedes EN ISO 15883-2:2009.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## Endorsement notice

The text of ISO 15883-2:2024 has been approved by CEN as EN ISO 15883-2:2025 without any modification.

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## Annex ZA (informative)

### Relationship between this European Standard and the General Safety and Performance Requirements of Regulation (EU) 2017/745 aimed to be covered

This European standard has been prepared under M/575 to provide one voluntary means of conforming to the General Safety and Performance Requirements of Regulation (EU) 2017/745 of 5 April 2017 concerning medical devices [OJ L 117] and to system or process requirements including those relating to quality management systems, risk management, post-market surveillance systems, clinical investigations, clinical evaluation or post-market clinical follow-up.

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZA.1 and application of the edition of the normatively referenced standards as given in Table ZA.2 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding General Safety and Performance Requirements of that Regulation, and associated EFTA regulations.

Where a definition in this standard differs from a definition of the same term set out in Regulation (EU) 2017/745, the differences shall be indicated in this Annex Z. For the purpose of using this standard in support of the requirements set out in Regulation (EU) 2017/745, the definitions set out in this Regulation prevail.

Where the European standard is an adoption of an International Standard, the scope of this standard can differ from the scope of the European Regulation that it supports. As the scope of the applicable regulatory requirements differ from nation to nation and region to region, the standard can only support European regulatory requirements to the extent of the scope of the European regulation for medical devices (EU) 2017/745).

NOTE 1 Where a reference from a clause of this standard to the risk management process is made, the risk management process needs to be in compliance with Regulation (EU) 2017/745. This means that risks have to be 'reduced as far as possible', 'reduced to the lowest possible level', 'reduced as far as possible and appropriate', 'removed or reduced as far as possible', 'eliminated or reduced as far as possible', 'removed or minimized as far as possible', or 'minimized', according to the wording of the corresponding General Safety and Performance Requirement.

NOTE 2 The manufacturer's policy for determining **acceptable risk** must be in compliance with General Safety and Performance Requirements 1, 2, 3, 4, 5, 8, 9, 10, 11, 14, 16, 17, 18, 19, 20, 21 and 22 of the Regulation.

NOTE 3 When a General Safety and Performance Requirement does not appear in Table ZA.1, it means that it is not addressed by this European Standard.

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**Table ZA.1 — Correspondence between this European Standard and Annex I of Regulation (EU) 2017/745 [OJ L 117]** and to system or process requirements including those relating to quality management systems, risk management, post-market surveillance systems, clinical investigations, clinical evaluation or post-market clinical follow-up

General Safety and Performance Requirements of Regulation (EU) 2017/745	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
5	4.1.4, 4.1.5	<p>Clauses 4.1.4 and 4.1.5 only partly covered in respect of reducing the risks related to use error by reducing the risks related to the ergonomic features of the washer-disinfectors (WDs).</p> <p>Aspects related to the environment in which the WD is intended to be used are not covered.</p> <p>Aspects related to manufacturing are not covered.</p> <p>Aspects related to the <b>letter b)</b> are not covered as well.</p>
10.2	4.1.4, 4.1.5, 5.1.2, 5.2, 5.3	<p>All clauses only partly covered in respect with the minimizing the risk posed by contaminants and residues to patients and the persons involved in use of the WD.</p> <p>Aspects related to the manufacture and packaging are not covered.</p> <p>Aspects related to the <i>transport and storage</i> are not covered as well.</p>
10.3	4.5	<p>Clause 4.5 only partly covers the requirement. Covered in respect with the safety use of WD with the water with which it enters into contact during intended use.</p> <p>WD devices are not intended to administer medicinal products, that's why the second part of this requirement is not covered.</p> <p>Aspects related to the</p>

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		manufacture are not covered.
14.1	4.1.4	Clause 4.1.4 only partly covers the requirement. Covered in respect to the first sentence only (combination and connection to the WD)
14.2 (a)	4.1.5, 4.1.7, 5.1.2, 4.1.6, 5.2 and 5.3	All selected clauses only partly cover the requirement. Covered in respect of reducing the risks of injury, in connection with WD physical and ergonomic features. Aspects related to the WD manufacturing processes are not covered.
23.4 (k)	7 a) – 7 e)	The selected clauses 7 a) – 7 e) only partly cover the requirement. Cover in respect of information to be supplied and needed to verify whether the device is properly installed and is ready to perform safely and as intended by the manufacturer.  <i>Aspects related to the methods for eliminating the risks encountered by persons involved in installing, calibrating or servicing devices, are not covered.</i>

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**Table ZA.2 — Normative references from Clause 2 of this document and their corresponding European publications**

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
ISO 4017	ISO 4017:2022	Fasteners — Hexagon head screws — Product grades A and B	EN ISO 4017:2022
ISO 5356-2	ISO 5356-2:2012 ISO 5356-2:2021/Amd 1:2019	Anaesthetic and respiratory equipment — Conical connectors — Part 2: Screw-threaded weight-bearing connectors	EN ISO 5356-2:2012 EN ISO 5356-2:2012/A1:2019
ISO 5361	ISO 5361:2023	Anaesthetic and respiratory equipment — Tracheal tubes and connectors	EN ISO 5361:2023
ISO 5362	ISO 5362:2024	Anaesthetic reservoir bags	EN ISO 5362:2024
ISO 5367	ISO 5367:2023	Anaesthetic and respiratory equipment - Breathing sets and connectors	EN ISO 5367:2023
ISO 15883-1	ISO 15883-1:2024	Washer-disinfectors — Part 1: General requirements, definitions and tests	EN ISO 15883-1:2025
ISO 17664-1:2021	ISO 17664-1:2021	Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices — Part 1: Critical and semi-critical medical devices	EN ISO 17664-1:2021
ISO 15883-5:2021	ISO 15883-5:2021	Washer-disinfectors — Part 5: Performance requirements and test method criteria for demonstrating cleaning efficacy	EN ISO 15883-5:2021
EN 10088-2	none	Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes	EN 10088-2:2024

The documents listed in the Column 1 of Table ZA.2, in whole or in part, are normatively referenced in this document, i.e. are indispensable for its application. The achievement of the presumption of conformity is subject to the application of the edition of Standards as listed in Column 4 or, if no European Standard Edition exists, the International Standard Edition given in Column 2 of Table ZA.2.

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 198, *Sterilization of health care products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 102, *Sterilizers and associated equipment for processing of medical devices*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15883-2:2006), which has been technically revised.

The main changes are as follows:

- change of title to reflect application to critical and semi-critical medical devices;
- addition of new terms defining critical and semi-critical medical devices, and non-critical devices;
- alignment of other terms and definitions with ISO 11139:2018+Amd 1:2024;
- revision of cross-references to relevant clauses in ISO 15883-1:2024 and ISO 15883-5:2021;
- the upper limit of the washing temperature band reduced to +5 °C;
- addition of a clause on water quality (see [4.5](#));
- clarification of requirements for lumen and powered devices (see [5.1](#));
- addition of informative [Annex B](#) providing guidance on assigning a medical device to a product family for cleaning and thermal disinfection processes;
- revision of references in the Bibliography.

A list of all parts in the ISO 15883 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).