



BSI Standards Publication

## Emergency safety showers

---

Part 2: Plumbed-in eyewash units

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN 15154-2:2025. It supersedes BS EN 15154-2:2006, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee LBI/1/1, Laboratory furniture and fittings.

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

### Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2026  
Published by BSI Standards Limited 2026

ISBN 978 0 539 32743 4

ICS 13.100; 71.040.10

### 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 January 2026.

### Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

---

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## EUROPÄISCHE NORM

December 2025

ICS 71.040.10

Supersedes EN 15154-2:2006

English Version

## Emergency safety showers - Part 2: Plumbed-in eyewash units

Douches de sécurité - Partie 2 : Unités de lavage d'yeux  
raccordées au réseau d'eau

Sicherheitsnotduschen - Teil 2: Augenduschen mit  
Wasseranschluss

This European Standard was approved by CEN on 24 November 2025.

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.

CEN members are the national standards bodies of 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 United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

<b>Contents</b>		Page
<b>European foreword</b> .....		3
<b>Introduction</b> .....		4
<b>1</b>	<b>Scope</b> .....	5
<b>2</b>	<b>Normative references</b> .....	5
<b>3</b>	<b>Terms and definitions</b> .....	5
<b>4</b>	<b>Performance</b> .....	5
<b>4.1</b>	<b>Wash-off time</b> .....	5
<b>4.2</b>	<b>Flow rate of water</b> .....	6
<b>4.3</b>	<b>Jet height</b> .....	6
<b>4.4</b>	<b>Water quality and water temperature</b> .....	6
<b>5</b>	<b>Design requirements for installation</b> .....	6
<b>5.1</b>	<b>General</b> .....	6
<b>5.2</b>	<b>Clearance</b> .....	6
<b>5.3</b>	<b>Materials and geometry</b> .....	6
<b>6</b>	<b>Activation system</b> .....	7
<b>6.1</b>	<b>General</b> .....	7
<b>6.2</b>	<b>Valves</b> .....	7
<b>6.3</b>	<b>Automatic activation</b> .....	7
<b>6.3.1</b>	<b>General</b> .....	7
<b>6.3.2</b>	<b>Full body weight activation</b> .....	7
<b>6.3.3</b>	<b>Other automatic activation mechanisms</b> .....	7
<b>7</b>	<b>Outlet Nozzle(s)</b> .....	7
<b>8</b>	<b>Information for marking, installation, service use and maintenance</b> .....	8
<b>8.1</b>	<b>Marking and labelling</b> .....	8
<b>8.2</b>	<b>Instruction handbook</b> .....	8
<b>Annex A (informative) General guidance</b> .....		9
<b>A.1</b>	<b>Water temperature</b> .....	9
<b>A.2</b>	<b>Guidelines to recommended installation</b> .....	9
<b>A.3</b>	<b>Cleaning</b> .....	9
<b>A.4</b>	<b>Testing</b> .....	10
<b>Annex B (informative) Recommendation regarding environmental impact</b> .....		11
<b>Bibliography</b> .....		12

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## European foreword

This document (EN 15154-2:2025) has been prepared by Technical Committee CEN/TC 332 “Laboratory 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 June 2026 and conflicting national standards shall be withdrawn at the latest by June 2026.

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 15154-2:2006.

EN 15154-2:2025 includes the following significant technical changes with respect to EN 15154-2:2006:

- harmonization with EN 15154-5;
- addition of informative Annex B “Recommendations regarding environmental impact”.

This document, EN 15154-2, is part of a series of standards on emergency safety showers (see Table 1).

**Table 1 — Subject areas covered under the EN 15154 series of standards**

Part of EN 15154	Type	Laboratories	Sites other than laboratories	Non plumbed-in	Plumbed-in
1	Body shower	X <sup>c</sup>	-	-	X
2	Eyewash unit	X	X	-	X
3	Body shower	X <sup>a</sup>	X <sup>a</sup>	X <sup>a</sup>	-
4	Eyewash unit	X	X	X	-
5	Body shower	-	X <sup>c</sup>	X <sup>b</sup>	X
6	Body shower	-	X	-	X

<sup>a</sup> Non plumbed-in body showers affected by EN 15154-3 are fixed, transportable or portable.  
<sup>b</sup> Non plumbed-in body showers affected by EN 15154-5 are tank showers or trailer-mounted.  
<sup>c</sup> In possible combination with eyewash units.

NOTE Attention is drawn to national regulations in some European countries, e.g. Germany, which can request to connect emergency safety eyewash units to a water supply.

A list of all parts in a series can be found on the CEN website: [www.cencenelec.eu](http://www.cencenelec.eu).

Any feedback and questions on this document should be directed to the users’ national standards body. 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.

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## **Introduction**

Plumbed-in eyewash units are designed and intended to be installed in close range of persons working in a potentially hazardous area exposed to the risks of burning/burns and/or hazardous chemical substances getting splashed onto the eyes, despite other risk mitigation measures.

The main purpose of these devices is to immediately deliver flushing fluid in sufficient volume to flush the eyes following exposure to injurious substances or heat.

Once this is accomplished, the injured person can proceed to the care of an ophthalmologist.

Emergency safety eyewash units are primarily emergency facilities and not intended for use for personal cleaning or personal hygiene.

Annex A provides recommendations on general settings for emergency safety eyewash units installations and Annex B provides recommendations regarding environmental impact.

This is a preview of BS EN 15154-2:2025. [Click here to purchase the full version from the ANSI store.](#)

## 1 Scope

This document is a product specification, giving performance requirements for emergency safety eyewash units connected to the water supply. It is applicable to plumbed-in eyewash units only.

Requirements are given in respect of the performance, installation, adjustment and marking of the eyewash units, as well as installation, operation and maintenance instructions to be given by the manufacturer.

NOTE Attention is drawn to national regulations which can apply in respect of the installation and use of eyewash units.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN ISO 21420, *Protective gloves — General requirements and test methods (ISO 21420)*

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org>

### 3.1

#### **emergency safety eyewash unit**

device specially designed and intended to deliver a flushing fluid to irrigate and flush the eyes and to sufficiently wash away contaminants or to dilute them, rendering them harmless

[SOURCE: EN 15154-1:2025, 3.5]

### 3.2

#### **plumbed-in emergency safety eyewash unit**

emergency safety eyewash unit that is permanently connected to a continuous water supply

## 4 Performance

### 4.1 Wash-off time

The plumbed in eyewash unit shall be able to deliver water at a constant manufacturer-specified pressure, and continued for at least 15 min.

NOTE Attention is drawn to national regulations.