



**BSI Standards Publication**

## **Emergency safety showers**

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Part 5: Water overhead body showers for sites other than laboratories

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## National foreword

This British Standard is the UK implementation of EN 15154-5:2019.

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 secretary.

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

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

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**EUROPÄISCHE NORM**

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English Version

## Emergency safety showers - Part 5: Water overhead body showers for sites other than laboratories

Douches de sécurité - Partie 5: Douches à eau verticales pour le corps utilisées ailleurs que dans les laboratoires

Sicherheitsnotduschen - Teil 5: Körperduschen über Kopf mit Wasser für andere Standorte als Laboratorien

This European Standard was approved by CEN on 12 August 2019.

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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 COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 15154-5:2019) 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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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.

EN 15154 consists of the following parts under the general title *Emergency safety showers*

- *Part 1: Plumbed-in body showers for laboratories*
- *Part 2: Plumbed-in eye wash units*
- *Part 3: Non-plumbed-in body showers*
- *Part 4: Non-plumbed-in eyewash units*
- *Part 5: Water overhead body showers for sites other than laboratories*
- *Part 6: Plumbed-in multiple nozzle body showers for sites other than laboratories*

This document, EN 15154-5, is part of a series of standards on emergency safety showers, which it rounds off by dealing with body showers and combinations with eye showers and hand-held showers used on sites other than laboratories (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  | Xc           | -                               | -              | X          |
| 2                | Eye-wash unit  | X            | X                               | -              | X          |
| 3                | Body shower  | Xa           | Xa                              | Xa             | -          |
| 4                | Eyewash unit   | X            | X                               | X              | -          |
| 5                | Body shower  | -            | Xc                              | Xb             | 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 eye wash units.   |              |                                 |                |            |

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

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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, Turkey and the United Kingdom.

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Emergency safety body showers for sites other than laboratories 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 all or part of the body.

The main purpose of these devices is to deliver immediately a flushing fluid in a volume sufficient to extinguish flames and/or to flush the body following exposure to injurious substances or heat.

Once this is accomplished, the injured person can proceed to medical care.

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This document is a product specification, giving performance requirements for water overhead emergency safety body showers installed on industrial and logistic sites, (in combination with safety eyewashes and hand-held showers as well),

- a) which are permanently connected to a water supply; or
- b) which are equipped with a store tank and optionally connected to an uninterrupted or a temporary water supply.

Emergency safety body showers using fluid other than water are not considered in this document.

This document also specifies requirements in respect of installation, adjustment and marking of the showers as well as operation and maintenance instructions to be given by the manufacturer.

NOTE 1 Plumbed-in body showers designed for laboratory facilities are dealt with in EN 15154-1.

NOTE 2 Water multiple nozzle body showers for sites other than laboratories are dealt with in EN 15154-6<sup>1</sup>.

NOTE 3 Attention is drawn to national regulations which can apply in respect of the installation and use of emergency safety showers

## 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 420, *Protective gloves — General requirements and test methods*

EN 1991 (all parts), *Eurocodes 1 — Actions on structures*

EN 1991-1-3, *Eurocode 1 — Actions on structures — Part 1-3: General actions — Snow loads*

EN 1991-1-4, *Eurocode 1: Actions on structures — Part 1-4: General actions — Wind actions*

EN 15154-1, *Emergency safety showers — Part 1: Plumbed-in body showers for laboratories*

EN 15154-2, *Emergency safety showers — Part 2: Plumbed-in eye wash units*

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 terminological databases for use in standardization at the following addresses:

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

### 3.1 emergency safety shower

device specially designed and intended to deliver a flushing fluid to extinguish flames and to sufficiently wash away contaminants or to dilute them, rendering them harmless

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<sup>1</sup> Under preparation. Stage at the time of the publication: prEN 15154-6