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Interested committees:

Title: Draft BS EN 15767-2 BS Portable equipment for projecting extinguishing agents and firefighting support operations - Portable monitors. Part 2: Water nozzles.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Portable equipment for projecting extinguishing agents
and firefighting support operations - Portable monitors -
Part 2: Water nozzles

Équipement portable pour la projection d'agents
d'extinction et les opérations de soutien à la lutte
contre les incendies - Lances--canon portables - Partie
2: Diffuseurs à eau

Tragbare Geräte zum Ausbringen von Löschmitteln
und zur Unterstützung der Brandbekämpfung -
Tragbare Wasserwerfer - Teil 2: Wasserdüsen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 192.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

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European foreword

This document (prEN 15767-2:2025) has been prepared by Technical Committee CEN/TC 192 “Fire service equipment”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15767-2:2009.

prEN 15767-2:2024 includes the following significant changes with respect to EN 15767-2:2009:

- the title has been amended;
- the definition of water nozzle (3.1) has been amended;
- the definition of flat spray water nozzle has been deleted (term not used in the document);
- to be consistent with part 1, “manufacturer’s stated maximum flow” has been replaced by “maximum stated flowrate”;
- test pressure has been deleted;
- according to current rules for drafting standard, notes containing the words “should”, “may” and “recommended” have been transformed into normative text;
- addition of the classification (see Clause 4 and Annex A);
- all general requirements have been placed in a new 5.1 “General”;
- water nozzles shall be ergonomically designed (see 5.1 – should replaced by shall);
- each verification has been placed under the corresponding requirement (see Clause 5);
- missing requirements have been added in: 5.5.6 and 5.5.7;
- missing verification have been added in 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.3 and 5.6;
- Table 1 “Maximum mass” has been amended;
- 5.4 (flush): the requirements have been updated and the corresponding verification has been added;
- 5.5.4 (spray jet): the verification has been completed;
- improvement of the wording/editorial changes.

1 Scope

In addition to the requirements given in EN 15767-1, this document is applicable to manual water nozzles, including water with fire extinguishing additives. It specifies requirements for safety, performance, classification and designation, as well as test methods, instructions for use and maintenance and marking.

This document is not applicable to water nozzles that are manufactured before its date of publication.

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 15767-1,¹⁾ Portable equipment for projecting extinguishing agents and firefighting support operations — Portable monitors — Part 1: General requirements for portable monitor assemblies

3 Terms and definitions

For the purposes of this document, the definitions given in EN 15767-1 and the following 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

water nozzle

component, with or without shut-off function, connected to the outlet of the monitor that controls the water stream (shape and quantity)

Note 1 to entry: Several types of water nozzles are described in 3.1.1, 3.1.2.

3.1.1

smooth bore water nozzle

nozzle providing a solid water stream

3.1.2

combination water nozzle

nozzle with an adjustable pattern, corresponding to the following definitions

3.1.2.1

combination water nozzle – type 1

nozzle with adjustable pattern at variable flow

Note 1 to entry: Changing the pattern changes the flow.

3.1.2.2

combination water nozzle – type 2

nozzle with adjustable pattern at constant flow

¹ Under revision.

Note 1 to entry: Changing the pattern does not change the flow.

3.1.2.3

combination water nozzle – type 3

nozzle with adjustable pattern at selectable, constant flow

Note 1 to entry: Changing the pattern does not change the flow.

3.1.2.4

combination water nozzle – type 4

automatic water nozzle

nozzle with integrated pressure control device

Note 1 to entry: Changing the pattern does not change the flow.

3.1.2.4.1

combination water nozzle – type 4.1

nozzle with adjustable pattern at constant pressure

3.1.2.4.2

combination water nozzle – type 4.2

nozzle with adjustable pattern and selectable flow at constant pressure

3.2

median pressure

p_m

for automatic water nozzle, average pressure of the pressure control range

3.3 Jet

3.3.1

straight jet

jet having the maximum throw and mechanical effect

[SOURCE: EN 15182-1:2019, definition 3.7]

3.3.2

spray jet

any jet different to the straight jet

[SOURCE: EN 15182-1:2019, definition 3.8]

3.4

flush

position allowing the water nozzle to clear debris

3.5

maximum stated flowrate

Q_{max}

flow under which the water nozzle can be operated safely and efficiently

4 Classification

Water nozzles shall be classified in accordance with Annex A.

5 Requirements and verification

5.1 General

The portable monitor can be equipped with smooth bore water nozzles or combination water nozzles.

All the tests defined in this document are type tests.

Unless otherwise specified, tests shall be carried out at the reference pressure p_R , at a water temperature between 10 °C and 25 °C.

All tests shall be done with water only.

Actual test results can be entered on the data sheet when these results exceed the minimum requirements given in this document.

NOTE Guidance for acceptance tests on delivery is given in Annex B.

Water nozzles shall be ergonomically designed so that they can be easily operated without risk of injury when wearing firefighter's gloves complying with EN 659.

5.2 Mechanical characteristics

5.2.1 Mass

The water nozzle shall have a maximum mass as defined in Table 1.

Table 1 — Maximum mass

Maximum stated flowrate, $Q_{\max}$ l/min	Maximum mass of the water nozzle kg
< 2 000	4
2 000 - 4 000	8
> 4 000	12
NOTE The maximum mass does not apply to seawater-resistant water nozzles.	

Verification

The mass shall be measured in accordance with Table 1.

5.2.2 Operating and handling elements

The torques needed to move the operating elements shall not exceed the values given in Table 2 at pressures up to the nominal pressure.