



DPC: 25/30501221 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

Date: 12 June 2025

Origin: European

Latest date for receipt of comments: 05 August 2025

Project No. 2024/02823

Responsible committee: FSH/17 Fire & Rescue Service Equipment

Interested committees:

Title: Draft BS EN 15767-3 BS Portable equipment for projecting extinguishing agents and firefighting support operations - Portable monitors. Part 3: Foam devices.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

WARNING: THIS IS A DRAFT AND MUST NOT BE REGARDED OR USED AS A BRITISH STANDARD. THIS DRAFT IS NOT CURRENT BEYOND 05 August 2025

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

No copying is allowed, in any form, without prior written permission from BSI except as permitted under the Copyright, Designs and Patent Act 1988 or for circulation within a nominating organization for briefing purposes. Electronic circulation is limited to dissemination by e-mail within such an organization by committee members.

Further copies of this draft may be purchased from BSI Shop <http://shop.bsigroup.com> or from BSI Customer Services, Tel: +44(0) 20 8996 9001 or email cservices@bsigroup.com. British, International and foreign standards are also available from BSI Customer Services.

Information on the co-operating organizations represented on the committees referenced above may be obtained from <https://standardsdevelopment.bsigroup.com/>.

Responsible Committee Secretary: Mrs Susan Revell (BSI)

Direct tel: 020 8996 7195

E-mail: susan.revell@bsigroup.com

Full document details: 25/30501221 DC

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

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
------------------	------------------------

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 3: Foam devices

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

Tragbare Geräte zum Ausbringen von Löschmitteln
und zur Unterstützung der Brandbekämpfung -
Tragbare Wasserwerfer - Teil 3: Schaumdüsen

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.

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.

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

Contents

Page

European foreword	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
4 Requirements and verification	6
4.1 General	6
4.2 Mechanical characteristics.....	6
4.2.1 Mass.....	6
4.2.2 Operating and handling elements.....	7
4.2.3 Flow adjustment positions.....	7
4.2.4 Jet adjustment positions	7
4.3 Materials	7
4.4 Hydraulic characteristics.....	8
4.4.1 Pressures.....	8
4.4.2 Flowrates.....	8
4.4.3 Effective throw	8
4.4.4 Spray jet	10
4.4.5 Sensitivity to heat.....	10
4.4.6 Sensitivity to frost.....	10
5 Information for use	11
5.1 Instruction and maintenance handbook.....	11
5.1.1 General	11
5.1.2 Instruction handbook.....	11
5.1.3 Maintenance handbook.....	11
5.2 Marking.....	11
Annex A (informative) Acceptance test on delivery	12
Annex B (normative) Datasheet for foam devices.....	13
Annex C (informative) Example of completed datasheet for water nozzles.....	16
Bibliography	19

European foreword

This document (prEN 15767-3:2025) 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 15767-3:2010.

prEN 15767-3:2024 includes the following significant changes with respect to EN 15767-3:2010:

- the title has been amended;
- definition of “foam nozzle” has been added (see 3.3.1);
- “foam cannon” has been replaced with “foam tube” (see 3.3.2);
- maximum flow $Q_{\max}$, has been deleted;
- according to current rules for drafting standard, notes containing the words “should” and “may” have been transformed into normative text;
- all general requirements have been placed in a new 4.1 “General”;
- information about the viscosity of the foam concentrate shall be given (see 4.1 and 5.1.2);
- each verification has been placed under the corresponding requirement (see Clause 4);
- water nozzles shall be ergonomically designed (see 4.1 – should replaced by shall);
- missing requirements have been added in 4.4.5 and 4.4.6;
- missing verification have been added in 4.2.1, 4.2.2, 4.2.3, 4.2.4 and 4.3;
- Table 1 “Maximum mass” has been amended;
- informative Annex A on “Effects of the foam concentrate on the performance of the foam devices” has been deleted;
- improvement of the wording/editorial changes.

1 Scope

In addition to the requirements given in EN 15767-1, this document applies to devices designed for aspirating air and projecting low expansion foam and, in some cases, inducing foam concentrate. 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

foam concentrate

liquid which is diluted with water to produce foam solution

[EN 1568-1:2018, 3.7 without the note]

3.2

foam solution

solution of foam concentrate in water

[EN 1568-1:2018, 3.8]

3.3

foam device

device designed for aspirating air and projecting foam and, in some cases, inducing foam concentrate

Note 1 to entry: Several types of foam devices are described from 3.3.1 to 3.3.3.

3.3.1

foam nozzle

water nozzle with or without inducing system that transforms the foam solution pressure into velocity to produce a coherent stream of firefighting foam

Note 1 to entry: Water nozzle is defined in EN 15767-2.

¹ Under revision.

3.3.2

foam tube

device that transforms the foam solution pressure into velocity and mixes air with the foam solution to produce a coherent stream of firefighting foam in a tube

3.3.3

self-inducting nozzle

water nozzle equipped with a self-inducting system

Note 1 to entry: Water nozzle is defined in EN 15767-2.

3.3.4

foam attachment

device fitted to a water nozzle or a self-inducting nozzle that mixes air with the foam solution to produce firefighting foam

3.4

pick-up tube

non collapsible tube for transferring the foam concentrate to the inducting system

3.5

inducting system

device for mixing foam concentrate with water at a set rate

3.6

self-inducting system

inducting system integrated into a foam device

3.7

spreader

device to modify the shape of the foam stream into a flat spray

3.8

induction rate

ratio of foam concentrate to the foam solution

3.9

metering device

device controlling the induction rate

3.10

expansion

expansion value

expansion ratio

ratio of the volume of foam to the volume of the foam solution from which it was made

[SOURCE: EN 1568-1:2018, 3.2]

3.11

low expansion foam

foam which has an expansion ratio less than 20

[SOURCE: EN 1568-1:2018, 3.3]