

MAURITIAN
STANDARD

MS ISO
11601:2017

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2019-02-23

**Fire fighting — Wheeled
fire extinguishers —
Performance and
construction**

ICS: 13.220.10



Mauritius Standards Bureau

Moka

National Foreword

This Mauritian Standard is identical with the International Standard **ISO 11601:2017**, *Firefighting — Wheeled fire extinguishers — Performance and construction*. It was adopted by the Mauritius Standards Bureau on the recommendation of the **Mechanical Engineering Standards Committee** through its **Subcommittee on Fire Extinguishers** and approved by the **Standards Council** on **31 January 2019**. It was notified in the **Government Gazette** on **23 February 2019***.

For the purpose of this standard the following changes should be made:

the ‘decimal comma’ should be replaced by ‘decimal point’.

The following Mauritian Standard is identical to the International Standard which is referenced in the adopted standard:

International Standard

ISO 7165, *Fire fighting — Portable fire extinguishers — Performance and construction*

Corresponding Mauritian Standard

MS ISO 7165, *Fire fighting — Portable fire extinguishers — Performance and construction*

*General notice no 258 of 2019



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 2, *Manually transportable fire extinguishers*.

This third edition cancels and replaces the second edition (ISO 11601:2008), which has been technically revised.

The main changes compared to the previous editions are as follows:

- new requirements for four clean agents have been added;
- marking requirements for water-based extinguishers found suitable for use on polar solvents has been added.

PREVIEW

Fire fighting — Wheeled fire extinguishers — Performance and construction

1 Scope

This document specifies the principal requirements intended to ensure the safety, reliability and performance of wheeled fire extinguishers.

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.

ISO 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 5923, *Equipment for fire protection and fire fighting — Fire extinguishing media — Carbon dioxide*

ISO 7165:2017, *Fire fighting — Portable fire extinguishers — Performance and construction*

ISO 7202, *Fire protection — Fire extinguishing media — Powder*

ISO 7203-1, *Fire extinguishing media — Foam concentrates — Part 1: Specification for low-expansion foam concentrates for top application to water-immiscible liquids*

ISO 7203-2, *Fire extinguishing media — Foam concentrates — Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids*

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 <http://www.iso.org/obp>

3.1

batch

group of the same products made on the same production line using the same lot of materials during one production shift

3.2

body

metal shell of an extinguisher designed to contain the extinguishing media including any skirt

3.3

bulk range

range of the extinguisher when 50 % of its media has been expelled

3.4

burst pressure

P_b

pressure at which the extinguisher cylinder ruptures