
**Fire protection — Portable and wheeled
fire extinguishers —**

Part 1:
Selection and installation

*Protection contre l'incendie — Extincteurs portatifs et extincteurs sur
roues —*

Partie 1: Choix et installation



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

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.

ISO/TS 11602-1 was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 2, *Manually transportable fire extinguishers*.

This first edition of ISO/TS 11602-1 cancels and replaces ISO 11602-1:2000, of which it constitutes a technical revision.

ISO 11602 consists of the following parts, under the general title *Fire protection — Portable and wheeled fire extinguishers*:

- *Part 1: Selection and installation* [Technical Specification]
- *Part 2: Inspection and maintenance* [Technical Specification]

Introduction

This part of ISO 11602 presents a limited number of provisions for the selection and installation of portable and wheeled fire extinguishers, in the knowledge that different countries have particular environments and climates which can affect the size, shape and occupancy of buildings.

A country's specific building configurations can affect the selection and installation of fire extinguishers; therefore, this part of ISO 11602 could be reinforced in respect of fire-extinguishing performance characteristics in the presentation of a general-purpose standard.

It is proposed that further investigation be undertaken in light of the above for the purposes of a future revision of this part of ISO 11602.

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Fire protection — Portable and wheeled fire extinguishers —

Part 1: Selection and installation

1 Scope

This part of ISO 11602 gives requirements for the selection and installation of portable and wheeled fire extinguishers. It is intended as a companion to ISO/TS 11602-2.

Portable fire extinguishers are a first line of defence against fires of limited size. They are needed even if the property is equipped with automatic sprinklers, standpipe and hose, or other fixed protection equipment.

This part of ISO 11602 is not applicable to permanently installed systems for fire extinguishment, even though portions of such systems may be portable (such as hose and nozzles attached to a fixed supply of extinguishing media).

Its requirements are minimum requirements. The use of larger, higher-rated or greater numbers of extinguishers will, in general, improve protection.

Extinguishers for use on board aircraft, watercraft and vehicles are outside the scope of ISO 11602.

2 Normative references

The following referenced documents are indispensable for the application 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 7165, *Fire fighting — Portable fire extinguishers — Performance and construction*

ISO 8421-1, *Fire protection — Vocabulary — Part 1: General terms and phenomena of fire*

ISO 11601, *Fire fighting — Wheeled fire extinguishers — Performance and construction*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8421-1 and the following apply.

3.1

clean agent

electrically non-conductive gaseous or vaporizing fire extinguishant that does not leave a residue upon vaporization

[ISO 7165:2009, 3.5]