

Sri Lanka Standard

SPECIFICATION FOR PORTABLE FIRE EXTINGUISHERS - POWDER TYPE

SRI LANKA STANDARDS INSTITUTION

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FOREWORD

This Sri Lanka Standard was authorised for adoption and publication by the Council of the Sri Lanka Standards Institution on ~~07.05.19~~ after the draft, finalised by the Drafting Committee of Fire Protection and Fire Fighting, had been approved by the Mechanical Engineering Divisional Committee.

All values in this standard have been given in metric units.

This standard applies to rechargeable metal bodied portable fire extinguishers of powder type in which powder is expelled by pressure of gas released from compressed or liquefied gas from a gas cartridge attached to or fitted into the extinguisher or from pressure stored within the extinguisher.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result, of a test or observation shall be rounded off in accordance with CS 102. The number of significant figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

The assistance derived from the publications of the Standards Association of Australia, the British Standards Institution and the Indian Standards Institution in the preparation of this standard is gratefully acknowledged.

1. SCOPE

This standard lays down requirements regarding capacity, principal materials, construction, method of operation, performance and tests of portable fire extinguishers of the powder type. It provides for two types viz. :

- a) The gas cartridge type
- b) The stored pressure type.

2. REFERENCES

- CS 102 Presentation of numerical values.
- SLS 268 ISO metric screw threads
- Part 1 : Basic and design profiles
- Part 2 : Pitch/diameter combination
- SLS 374 Standard atmospheric conditions for conditioning and testing
- SLS 428 Random sampling methods
- SLS 752 Rating and fire testing of fire extinguishers.

3. DEFINITIONS

For the purpose of this specification the following definitions shall apply :

- 3.1 portable fire extinguisher : A first aid fire fighting appliance which can be carried by hand and operated by hand and the mass not exceeding 20 kg.
- 3.2 powder type portable fire extinguisher : A portable fire extinguisher containing a powder as the extinguishing medium.
- 3.3 gas cartridge type : An extinguisher in which the extinguishing medium is expelled by means of a compressed gas released from a gas cartridge.