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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 6969-2005

Replacing GB 6969-2005

**Fire suction hose
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1. Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces GB 6969-2005 "Fire-fighting Suction Hose". Compared with GB 6969-2005, the main differences are structural adjustments and editorial changes.

In addition, the main technological changes are as follows.

- a) A new chapter on "Terms and Definitions" has been added (see Chapter 3);
- b) A new chapter on "Classification and Models" has been added (see Chapter 4);
- c) Increased structural and material requirements for plastic suction pipes (see 5.1);
- d) The appearance quality requirements have been changed (see 5.2, 4.11 of the.2005 version);
- e) The requirements for the inner diameter of the suction pipe have been changed (see 5.3, 4.1 in the.2005 edition);
- f) The requirements for the length of the suction pipe have been changed (see 5.4, 4.1 of the.2005 edition);
- g) Interface performance requirements and inspection methods have been added (see 5.5 and 6.5);

- h) The mass requirement per unit length has been changed (see 5.6, 4.2 of the.2005 edition);
- i) The requirements for rated working pressure, test pressure, and burst pressure of plastic water suction pipes have been increased (see 5.7);
- j) Vacuum resistance requirements have been changed (see 5.8, 4.5 in the.2005 edition);
- k) The load-bending performance requirements have been changed (see 5.9, 4.6 of the.2005 edition);
- l) The bending resistance requirements and test methods for straight-tube suction pipes have been revised (see 5.10, 6.10, and 4.7 and 5.6 of the.2005 edition);
- m) The requirements and test methods for the UV radiation resistance of plastic water suction pipes have been added (see 5.14.1, 6.14);
- (n) The ozone resistance requirements and test methods for rubber suction pipes have been added (see 5.14.2, 6.15);
- o) The inspection rules have been changed (see Chapter 7, Chapter 6 in the.2005 edition);
- p) An instruction manual and packaging have been added (see Chapter 8).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the State Fire and Rescue Administration.

The release history of this document and the document it replaces is as follows.

---First published as GB 6969-1986 in 1986, and revised for the first time in.2005;

---This is the second revision.

Fire suction hose

1 Scope

This document defines the terminology for fire-fighting water suction pipes, and specifies their classification and model designation, performance requirements, inspection rules, marking, and instructions for use.

The book and packaging describe the corresponding testing methods.

This document applies to fire hoses used for pumping water or foam liquid during firefighting and rescue operations.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB 12514 Technical Requirements for Fire Protection Interfaces

GB/T 14905-2020 Determination of interlayer adhesive strength of rubber and plastic hoses

GB/T 16422.2-2022 Plastics - Laboratory Light Source Exposure Test Methods - Part 2.Xenon Arc Lamps

GB/T 24134-2009 Evaluation of ozone resistance under static conditions for rubber and plastic hoses

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

Composed of a hose and a fire hose connection, it is used to draw water or foam liquid from natural water sources, fire pools, outdoor fire hydrants, foam storage tanks, etc.

Component assembly.

Note: Hereinafter referred to as "suction pipe".

3.2

Straight suction hose

A straight, non-bending suction pipe.

3.3

coiled suction hose

It is in a coiled state and can be unfolded or pulled out during operation; it is a flexible suction hose.

4.1.1 Suction pipes can be classified according to their shape as follows.

- a) Straight-tube water suction pipe;
- b) Coil-type suction pipe.