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

GB/T 18993.5-2020

**Chlorinated Polyvinyl Chloride (PVC-C) Piping System for Hot
and Cold Water - Part 5: System Applicability**

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Foreword

GB/T 18993 "Chlorinated Polyvinyl Chloride (PVC-C) Piping System for Hot and Cold Water" is divided into 5 parts.

---Part 1.General Provisions;

---Part 2.Pipes;

---Part 3.Pipe fittings;

---Part 4.Valve;

---Part 5.System applicability.

This part is Part 5 of GB/T 18993.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the redrafting method to amend and adopt ISO 15877-5.2009 "Plastic Piping System for Cold and Hot Water Chlorinated Polyvinyl Chloride

(PVC-C) Part 5.Applicability of the System.

Compared with ISO 15877-5.2009, this part adds Chapter 5 in structure.

Compared with ISO 15877-5.2009, there are technical differences between this part and ISO 15877-5.2009.The clauses related to these differences have been passed on the outer margins.

The vertical single line (|) of the position is marked, and the corresponding technical differences and their reasons are given in Appendix A.

This section has made the following editorial changes.

--- Amend the standard name to "Chlorinated Polyvinyl Chloride (PVC-C) Piping System for Cold and Hot Water Part 5.System Applicability".

Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

This part was proposed by the China National Light Industry Council.

This part is under the jurisdiction of the National Plastic Products Standardization Technical Committee (SAC/TC48).

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Shan) Co., Ltd., Kangtai Plastic Technology Group Co., Ltd., Shandong Xiangsheng New Material Technology Co., Ltd.

1 Scope

This part of GB/T 18993 specifies the terms, definitions and symbols for the applicability of chlorinated polyvinyl chloride (PVC-C) piping systems for cold and hot water

And abbreviations, system suitability test, test method.

This part and other parts of GB/T 18993 are applicable to chlorinated polyvinyl chloride (PVC-C) piping systems for building hot and cold water.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 2918 Standard environment for condition adjustment and testing of plastic specimens (GB/T 2918-2018, ISO 291.2008, MOD)

GB/T 6111-2018 Determination of internal pressure resistance of thermoplastic piping systems for fluid transportation (ISO 1167-1.2006;

ISO 1167-2.2006; ISO 1167-3.2007; ISO 1167-4.2007, NEQ)

GB/T 15820 Pull-out test of polyethylene pressure pipe and fitting connection (GB/T 15820-1995, eqvISO 3501.1976)

GB/T 18993.1-2020 Chlorinated Polyvinyl Chloride (PVC-C) Piping System for Hot and Cold Water Part 1.General (ISO 15877.2009, MOD)

GB/T 19278-2018 General terms and definitions for thermoplastic pipes, fittings and valves

GB/T 19993 Thermoplastic piping system for hot and cold water pipes and fittings assembly system thermal cycle test method (GB/T 19993-2005, EN12293..1999, IDT)

ISO 13056 Plastic piping system cold and hot water pressure system vacuum tightness test method

ISO 19892 Thermoplastic pipes and fittings joint pressure cycle test method for cold and hot water in plastic piping system

3 Terms, definitions, symbols and abbreviations

The terms, definitions, symbols and abbreviations defined in GB/T 18993.1-2020 and GB/T 19278-2018 apply to this document.

4.1 General

4.1.1 The system manufacturer or system supplier shall provide the system suitability certification documents corresponding to the connection method according to the actual engineering application.