加湿器 安全与电磁兼容
认证实施规则

Humidifier Safety and Electromagnetic Compatibility Certification Implementation Rules

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精准通检测认证（广东）有限公司
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0 引言 Introduction

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本规则与PTC002000-2026 《家用和类似用途电器安全与电磁兼容认证通用规则》结合使用。本规则中省略的部分章节，表示 PTC002000-2026 中的相应规定适用于本认证规则；本规则中写明“代替 ”的部分， 则以本规则的条文为准；PTC002000-2026 规定“在具体认证规则中规定 ”的章节，在本规则中直接规定；本规则中写明“增加 ”的部分，表示除符合 PTC002000-2026 相应条文外，还必须符合本规则所增加的条文；本规则中写明“修改 ”的部分，对 PTC002000-2026 相应条文做适应性调整。

This rule is to be used in conjunction with PTC002000- 2026 General Rules for Safety and Electromagnetic Compatibility Certification of Household and Similar Electrical Appliances. Sections omitted in this rule indicate that the corresponding provisions in PTC002000- 2026 apply to this certification rule. Sections marked “replace” shall be governed by the provisions of this rule. Sections in PTC002000- 2026 that state “to be specified in specific certification rules” are directly specified in this rule. Sections marked “add” indicate that, in addition to complying with the corresponding provisions of PTC002000- 2026, the added provisions of this rule must also be met. Sections marked “modify” indicate adaptive adjustments to the corresponding provisions of PTC002000- 2026.

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This rule is a public document. PTC shall make the current effective version of this rule and its revision records freely available on its official website (www.ptc-lab.com), accessible to any interested party without request. Information on the development, revision and withdrawal of this rule shall also be published on PTC's website and filed with the CNCA as required.

1 适用范围 Scope of Application

增加 Addition：

本规则适用于单相器具额定电压不超过 250 V、其他器具额定电压不超过 480 V 的家用或类似用途加湿器的 PTC 安全与电磁兼容认证，可选做安全认证或电磁兼容认证或安全+电磁兼容认证。本规则不适用于：——为工业用途设计的加湿器；——具有医疗用途的加湿器；——不使用电气的加湿装置。

This rule applies to PTC safety and EMC certification of humidifiers for household or similar purposes with a rated voltage not exceeding 250 V for single-phase appliances and 480 V for other appliances. This rule does not apply to humidifiers designed for industrial use, humidifiers for medical use, and non-electrical humidifying devices.

3 认证单元划分 Division of Certification Units

3.1 该条增加下述内容 The following content is added：

产品种类(超声波、电热式、电极式、纯净加湿、离心式等)、安全结构（防触电保护结构类型，防水结构类型）、安装类型(便携式、驻立式)、控制方式（电子式，机械式）、电热元件类型（金属铠装电热元件、电热丝元件、PTC 或类似特性元件、电热膜等）均相同，可划分为同一申请单元。

Products of the same type (ultrasonic, electric heating, electrode, pure humidification, centrifugal, etc.), safety structure (protection against electric shock, waterproof structure), installation type (portable, stationary), control method (electronic, mechanical) and heating element type (metal sheathed heating element, heating wire element, PTC or similar characteristic element, heating film, etc.) may be classified into the same application unit if identical.

5 认证实施 Certification Implementation

5.1 型式试验 Type Test

5.1.2 型式试验样品要求 Requirements for Type Test Samples

5.1.2.2 样品数量 Sample Quantity

同一单元中主检型号 3 台（安全 1 台、电磁兼容 1 台、加湿量 / 雾化性能 1 台），覆盖型号各 1 台。

Three main samples (one for safety, one for EMC, one for humidification output/atomization performance) and one of each covering model.

5.1.3 型式试验依据标准 Standards for Type Test

5.1.3.1 安全标准-国内 Safety Standards - Domestic

GB/T4706.1-2024《家用和类似用途电器的安全 第 1 部分：通用要求》

GB/T4706.1-2024 Safety of Household and Similar Electrical Appliances – Part 1: General Requirements

GB/T4706.48-2024 《家用和类似用途电器的安全 加湿器的特殊要求》

GB/T4706.48-2024 Safety of Household and Similar Electrical Appliances – Particular Requirements for Humidifiers

5.1.3.2安全标准-出口 Safety Standards – Export

IEC 60335-1:2020《家用和类似用途电器——安全——第1部分：通用要求》

IEC 60335-1:2020《HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY – Part 1: General requirements》

IEC 60335-2-98:2023《家用和类似用途电器——安全——第2-98部分：加湿器的特殊要求》

IEC 60335-2-98:2023 《 HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY – Part 2-98: Particular requirements for humidifiers》

5.1.3.3 电磁兼容标准：按 PTC002000-2026 第 5.1.3.2 条执行；出口按 CISPR 14-1:2020、CISPR 14-2:2020。

EMC standards: per Clause 5.1.3.2 of PTC002000-2026; for export, CISPR 14-1:2020 and CISPR 14-2:2020.