

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Household and similar electrical appliances – Safety –
Part 2-23: Particular requirements for appliances for skin or hair care
(standards.iteh.ai)

Appareils électrodomestiques et analogues – Sécurité –
Partie 2-23: Exigences particulières pour les appareils destinés aux soins de la
peau ou des cheveux





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FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

FDIS	Report on voting
61/5757/FDIS	61/5794/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended

iTeh STANDARD PREVIEW

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

[IEC 60335-2-23:2016/AMD1:2019](https://standards.iTech.ai/catalog/standards/sist/4bc7954e-02ef-4dea-8c68-368a7e79360b/iec-60335-2-23:2016-amd1-2019)

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

1 Scope

Add the following penultimate item to Note 101:

- water filled **foot care appliances** without massage function;

Add the following penultimate item to Note 105:

- water filled foot massagers (IEC 60335-2-32);

Add the following new Note 106:

NOTE 106 A water filled **foot care appliance** with water jets is not considered to have a massage function.

3 Terms and definitions

3.1.9 *Add the following new paragraph:*

The liquid container of water filled **foot care appliances** is filled with water at a temperature of $40\text{ °C} \pm 2\text{ °C}$ in accordance with the instructions, and if no rated water capacity is specified in the instructions, it is filled with the maximum water capacity, and then loaded with an additional mass of 10 kg evenly distributed over an area of 100 mm x 300 mm.

Add the following new definition:

3.104

foot care appliance

appliance for softening the feet skin or relaxing the feet

6 Classification

6.1 *Add the following as the second dashed item:*

- water filled **foot care appliances** shall be **class II** or **class III**;

7 Marking and instructions

7.12 *Add the following new paragraph to the addition:*

The instructions for water filled **foot care appliances** shall include the substance of the following warnings:

WARNING: This appliance is intended to be used under the feet of a sitting person.

WARNING: If water leaks from the appliance, the appliance should no longer be used.

WARNING: Persons insensitive to heat must be careful when using the appliance.

8 Protection against access to live parts

Add the following new subclause:

8.1.4 *Addition:*

All energized parts in water filled **foot care appliances** are considered to be **live parts**. However, this requirement is not applicable to **class III appliances** or **class III constructions** that have working voltage not exceeding 12 V.

11 Heating

11.8 *Add the following new paragraph:*

The water temperature at the geometric centre of the water volume shall not exceed 50 °C.

15 Moisture resistance

Replace the existing text by the following:

This clause of Part 1 is applicable except as follows.

15.2 *Addition:*

Water filled **foot care appliances** are completely filled with the spillage solution and are then emptied within 30 s by being tilted or overturned in the most unfavourable way.

19 Abnormal operation

19.101 Add the following as a new last paragraph:

The test is repeated with the heat setting switch placed in each position. The voltage to the heating element is maintained at the value that gives 1,15 times **rated power input** with the switch at the highest heat setting position.

20 Stability and mechanical hazards

Replace the existing text by the following:

This clause of Part 1 is applicable except as follows.

20.1 Replacement:

Appliances, other than **fixed appliances** and **hand-held appliances** without a charging stand, intended to be used on a surface such as the floor or a table, shall have adequate stability. **Hand-held appliances** with an integral rest shall have adequate stability when placed on the integral rest.

Compliance is checked by the following test, appliances incorporating an appliance inlet being fitted with an appropriate connector and flexible cord. **Hand-held appliances** are subjected to the test while placed on their charging stand or integral rest.

The appliance, not connected to the supply mains, is placed in any normal position of use on a plane inclined at an angle of 10° to the horizontal, the **supply cord** resting on the inclined plane in the most unfavourable position. However, if part of an appliance comes into contact with the horizontal supporting surface when the appliance is tilted through an angle of 10°, the appliance is placed on a horizontal support and tilted in the most unfavourable direction through an angle of 10°.

NOTE 101 The test on the horizontal support can be necessary for appliances provided with rollers, castors or feet. In this case, castors or wheels can be blocked to prevent the appliance from rolling.

Appliances intended to be filled with liquid by the user in normal use are tested empty or filled with the most unfavourable quantity of water up to the capacity indicated in the instructions.

The appliance shall not overturn unless the appliance or the part of the appliance which overturns complies with all of the following:

- It only contains circuits operating at SELV according to 8.1.4;
- It only contains low power circuits according to 19.11.1;
- It is dropped from a height of 700 mm on a rigidly supported hard wood board 5 times, the appliance being held in different positions likely to occur. After the drops, the appliance or part of the appliance as relevant shall show no damage so that compliance with 15.1 and 20.2 is not impaired;
- It has a maximum weight of 450 g when ready for use;
- It does not have sharp edges when ready for use. An edge with a radius of 1 mm or more is not considered a sharp edge.

The test is repeated on appliances with heating elements with the angle of inclination increased to 15°. If the appliance overturns in one or more positions, it is subjected to the tests of Clause 11 in each of these overturned positions.

During this test, temperature rises shall not exceed the values shown in Table 9.

21 Mechanical strength

21.1 Add the following to the addition:

*Water filled **foot care appliances** are loaded as specified for **normal operation** but with the mass increased to 90 kg. The mass is applied for 30 s.*

21.101 Replace the text of 21.101 by the following:

The hand-held part of the appliance is placed in a sling that is constructed by tying together the four corners of a single layer of cheesecloth. The lowest point of the sling is suspended at a height of 900 mm above a concrete or similar hard surface.

The hand-held part of the appliance in the sling is dropped from a stationary position. The test is carried out a total of five times with the hand-held part of the appliance being positioned so that it falls onto the concrete surface in five different orientations.

The appliance shall not be damaged to such an extent that compliance with 8.1 and Clause 29 is impaired.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Bibliography

Add the following to the addition:
<https://standards.iteh.ai/catalog/standards/sist/4bc7954c-02ef-4dea-8c68-13a584c86795/iec-60335-2-23-2016-amd1-2019>

IEC 60335-2-32, Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances

AVANT-PROPOS

Le présent amendement a été établi par le comité d'études 61 de l'IEC: Sécurité des appareils électrodomestiques et analogues.

Le texte de cet amendement est issu des documents suivants:

FDIS	Rapport de vote
61/5757/FDIS	61/5794/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cet amendement.

Le comité a décidé que le contenu de cet amendement et de la publication de base ne sera pas modifié avant la date de stabilité indiquée sur le site web de l'IEC sous "<http://webstore.iec.ch>" dans les données relatives à la publication recherchée. A cette date, la publication sera

- reconduite,
- supprimée,
- remplacée par une édition révisée, ou
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iTeh STANDARD PREVIEW

NOTE L'attention des Comités Nationaux est attirée sur le fait que les fabricants d'appareils et les organismes d'essai peuvent avoir besoin d'une période transitoire après la publication d'une nouvelle publication IEC, ou d'une publication amendée ou révisée, pour fabriquer des produits conformes aux nouvelles exigences et pour adapter leurs équipements aux nouveaux essais ou aux essais révisés.

Le comité recommande que le contenu de cette publication soit entériné au niveau national au plus tôt 12 mois et au plus tard 36 mois après la date de publication.

1 Domaine d'application

Ajouter l'avant-dernier point suivant à la Note 101:

- les **appareils destinés aux soins des pieds** remplis d'eau sans fonction de massage;

Ajouter l'avant-dernier point suivant à la Note 105:

- aux appareils de massage des pieds remplis d'eau (IEC 60335-2-32);

Ajouter la nouvelle Note 106 suivante:

NOTE 106 Un **appareil destiné aux soins des pieds** rempli d'eau avec jets d'eau n'est pas considéré comme ayant une fonction de massage.

3 Termes et définitions

3.1.9 *Ajouter le nouvel alinéa suivant:*

Le récipient des **appareils destinés aux soins des pieds** remplis d'eau est rempli d'eau à une température de $40\text{ °C} \pm 2\text{ °C}$, conformément aux instructions, et si aucune capacité de remplissage assignée n'est spécifiée dans les instructions, il est rempli à sa capacité maximale et il est ensuite chargé d'une masse complémentaire de 10 kg également répartie sur une surface de 100 mm x 300 mm.

Ajouter la nouvelle définition suivante:

3.104

appareil destiné aux soins des pieds

appareil pour assouplir la peau des pieds ou détendre les pieds

6 Classification

6.1 *Ajouter le deuxième tiret suivant:*

- les **appareils destinés aux soins des pieds** remplis d'eau doivent être de la **classe II** ou de la **classe III**;

7 Marquage et instructions

7.12 *Ajouter le nouvel alinéa suivant à l'addition:*

Les instructions des **appareils destinés aux soins des pieds** remplis d'eau doivent inclure, en substance, les avertissements suivants:

AVERTISSEMENT: Cet appareil est prévu pour être utilisé sous les pieds d'une personne assise.

<https://standards.iteh.ai/catalog/standards/sist/4bc7954c-02ef-4dea-8c68-13a584c86795/iec-60335-2-23-2016-amd1-2019>

AVERTISSEMENT: Si de l'eau fuit de l'appareil, il convient de ne plus l'utiliser.

AVERTISSEMENT: Les personnes insensibles à la chaleur doivent être prudentes lors de l'utilisation de l'appareil.

8 Protection contre l'accès aux parties actives

Ajouter le nouveau paragraphe suivant:

8.1.4 *Addition:*

Toutes les parties sous tension des **appareils destinés aux soins des pieds** remplis d'eau sont considérées comme des **parties actives**. Cependant, cette exigence ne s'applique pas aux **appareils de la classe III** ou aux **constructions de la classe III** ayant une tension de service inférieure ou égale à 12 V.

11 Échauffements

11.8 *Ajouter le nouvel alinéa suivant:*

La température de l'eau au niveau du centre géométrique du volume d'eau ne doit pas dépasser 50 °C.