

INTERNATIONAL STANDARD

IEC 60335-2-79

2002

AMENDMENT 2
2007-07

Amendment 2

**Household and similar electrical appliances –
Safety –**

**Part 2-79:
Particular requirements for high pressure
cleaners and steam cleaners**



Reference number
IEC 60335-2-79 Amend. 2:2007(E)



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FOREWORD

This amendment has been prepared by subcommittee 61J: Electrical motor-operated cleaning appliances for industrial use, of 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
61J/252/FDIS	61J/258/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 maintenance result date indicated on the IEC web site 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- withdrawn,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.

A bilingual version of this publication may be issued at a later date.

3 Definitions

3.116 *Delete this definition.*

3.117 *Renumber the definition as 3.116 and modify the note as follows:*

Print "motorized cleaning head" in bold letters.

Add the following new definitions:

3.117

low pressure accessory

accessories to be connected to a high pressure cleaner equipped with one or more nozzles with an equivalent diameter exceeding 2 mm

NOTE 101 Nozzles with an equivalent diameter exceeding 2 mm used in a high pressure cleaner system are not considered to become clogged.

NOTE 102 Typical examples of **low pressure accessories** are washing brushes, foam nozzles, washing sponges.

3.118

hand-guided appliance

appliance to be moved on the floor while in operation, guided by a mechanically coupled handle

7 Marking and instructions

7.1 Addition:

Replace the third paragraph after Note 101 by:

All pressure hoses shall be marked with a pressure of at least the **permissible pressure** in megapascals and the maximum temperature in degrees Celsius and shall be marked with the name of the manufacturer and the date of production. These data may be coded.

Add the following new note after the new third paragraph:

NOTE 102 For low pressure accessories, no marking of the **permissible pressure** is necessary.

Renumber Note 102 as Note 103.

Add the two following new paragraphs:

Appliances not intended to be connected to the potable water mains shall be marked with the symbol according to Figure 104. It is acceptable to show this symbol in monochrome colour.

Appliances that can be used indoors and are powered by internal combustion engines, except LPG-powered engines, shall be marked with the symbol according to Figure 105. It is acceptable to show this symbol in monochrome colour.

7.12 Addition:

Add the following new paragraphs.

The instructions shall contain the substance of the following, if applicable.

- WARNING: Do not use combustion engine powered appliances indoors unless adequate ventilation is assessed by national labour authorities.
- WARNING: Ensure that any exhaust emissions are not in the vicinity of air intakes.

For appliances intended to be connected to the potable water mains, the instruction shall contain the substance of the following, if applicable:

- adequate information for the correct connection to the potable water mains;
- necessary length and quality of the water supply hose;
- necessary measures for conversion of the connection from water mains supply to supply from other water sources.

For appliances not intended to be connected to the water mains, the instruction shall contain the substance of the following, if applicable:

- adequate information for the correct connection to the water supply;
- adequate information about suction operation;
- necessary length and quality of the water supply hose;
- necessary measures for conversion of the connection from supply from other water sources to supply from the potable water mains (if applicable).

For all appliances, the instruction shall contain the substance of the following:

- water that has flown through backflow preventers is considered to be non-potable.

7.101 *Delete, in the second paragraph, "for water-suction cleaning appliances".*

10 Power input and current

10.101 *Modify the last line as follows:*

Print "permissible pressure" and "rated pressure" in bold letters.

15 Moisture resistance

15.2 *Replacement:*

Replace the first paragraph by:

Appliances shall be constructed so that spillage of liquid due to **normal operation**, overfilling or overturning of unstable, **hand-guided appliances** and **hand-held appliances** does not affect their electrical insulation.

Replace the fourth paragraph of the test by:

Hand-guided appliances and hand-held appliances and appliances that are unstable are then, with the containers completely filled for the float tank, if any, and with the most conductive detergent recommended by the manufacturer for the detergent tank, if any, and with the cover lid in place, overturned from the most unfavourable of the normal positions of use, and are left in that position for 5 min, unless the appliance returns automatically to its normal position of use.

15.2 *Delete, in the penultimate paragraph before Note 102, "of water-suction cleaning appliances".*

15.101 *Delete in the first paragraph "of water-suction cleaning appliances".*

21 Mechanical strength

Add the following new subclause:

21.101.3 A **low pressure accessory** is subjected to a static pressure test of two times the measured pressure in the system, when connected to the most severe high pressure cleaner it is intended to be used with, for 5 min at room temperature.

21.103 *Replace the first paragraph by:*

Hand-held appliances, hand-guided appliances and appliances carried on the operator's body in normal use and spray guns shall be resistant to dropping.