

# INTERNATIONAL STANDARD

# IEC 60335-2-21

1997

AMENDMENT 1  
1999-11

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Amendment 1

**Safety of household and similar electrical  
appliances –**

**Part 2-21:  
Particular requirements for storage  
water heaters**

*Amendement 1*

*Sécurité des appareils électrodomestiques et analogues –*

*Partie 2-21:  
Règles particulières pour les chauffe-eau à accumulation*

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

**D**

*For price, see current catalogue*

## 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	Rapport de vote
61/1648/FDIS	61/1744/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.

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

## 2 Definitions

Add the following:

### 2.107

#### **low pressure water heater**

**storage water heater** which is vented to the atmosphere and intended to be connected to the water mains through a pressure reducing valve, the flow of water being controlled by one or more valves in the outlet system

## 7 Marking and instructions

7.1 In the fourth paragraph, after "0,6 MPa", add:

and **low pressure water heaters**

7.12.1 In the fourth paragraph, after "**cistern-fed water heaters**", add:

and **low pressure water heaters**

## 19 Abnormal operation

19.1 In the second paragraph, replace the types of water heaters specified by:

For **closed water heaters**, **low pressure water heaters** and **open-outlet water heaters**,

19.102 Delete this subclause.

## 22 Construction

**22.101** In the second paragraph, after "**closed water heaters**", add:

and **low pressure water heaters**

**22.102** In the second dashed item, after "**cistern-fed water heaters**", add:

and **low pressure water heaters**;

**22.104** Delete the compliance sentence after the first paragraph.

Add the following:

The vent pipe of **low pressure water heaters** shall have an internal diameter of at least 20 mm.

## 24 Components

Add the following:

**24.1.1** Addition:

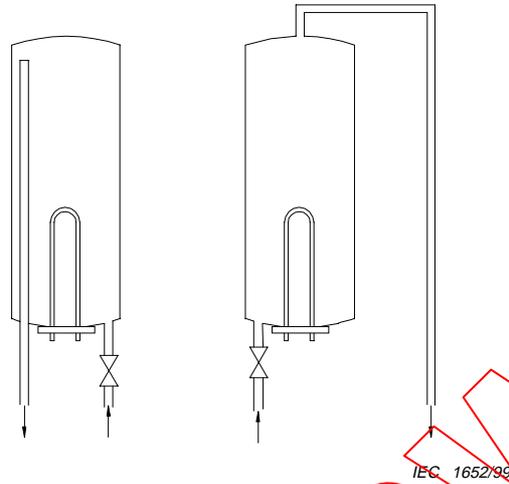
**Thermal cut-outs** incorporated in **closed water heaters** shall comply with the requirements of IEC 60730-1 for type 2B controls, unless they are tested with the appliance.

**24.1.2** Addition:

For **thermal cut-outs** incorporated in **closed water heaters**, clauses 13, 15, 16, 17 and 20 of IEC 60730-1 apply as specified for type 2B controls.

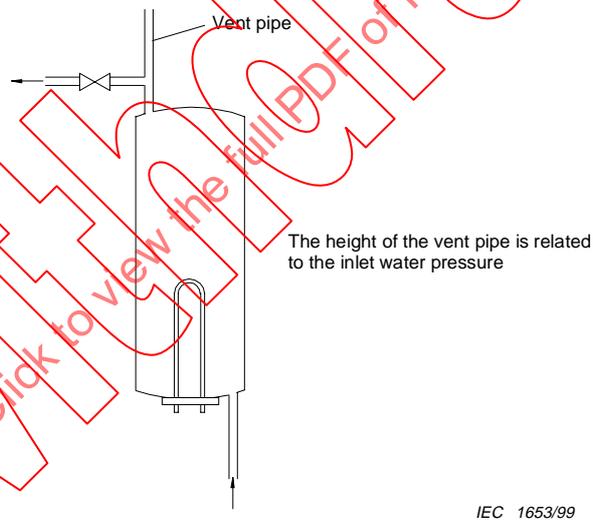
**Figure 101**

Replace figure d) by:



**d) Open-outlet water heater**

Add the following as figure e):



**e) Low pressure water heater**