

INTERNATIONAL STANDARD



1992/V

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Commercial refrigerated cabinets – Methods of test – Part V : Water vapour condensation test

Meubles frigorifiques commerciaux – Méthodes d'essai – Partie V : Essai de condensation de vapeur d'eau

First edition – 1974-04-01

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UDC 621.565.92.001.4 : 659.157

Ref. No. ISO 1992/V-1974 (E)

Descriptors : refrigerators, tests, condensing, water vapour.

Price based on 1 page

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 1992/V (originally ISO/DIS 2641) was drawn up by Technical Committee ISO/TC 86, *Refrigeration*, and circulated to the Member Bodies in March 1972.

It has been approved by the Member Bodies of the following countries :

Australia	Hungary	Spain
Belgium	Ireland	Sweden
Canada	Israel	Switzerland
Czechoslovakia	Japan	Thailand
Denmark	New Zealand	Turkey
Egypt, Arab Rep. of	Poland	United Kingdom
France	Romania	U.S.S.R.
Germany	South Africa, Rep. of	

The Member Body of the following country expressed disapproval of the document on technical grounds :

Netherlands

Other Parts in this series under the general title, *Commercial refrigerated cabinets – Methods of test*, are as follows :

- Part I : *Calculation of linear dimensions, areas and volumes.*
- Part II : *General test conditions.*
- Part III : *Temperature test.*
- Part IV : *Defrosting test.*
- Part VI : *Electrical energy consumption test.*
- Part VII : *Test for odour of material.*

(Part VII is at present at the stage of draft.)

Commercial refrigerated cabinets – Methods of test – Part V : Water vapour condensation test

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the procedure for a water vapour condensation test for commercial refrigerated cabinets intended for the sale and/or display of food products when tested in the same conditions as those specified for the temperature and defrosting tests (see Parts III and IV).

2 PROCEDURE

During the whole of the temperature and defrosting tests note the location, extent and duration of the condensation as well as the time of its occurrence during the cycle. Take special note of the location where water from condensation is in direct contact with or may have dripped onto the stored product.

3 TEST REPORT

The test report shall include the following information :

- a) statement of each test room climate together with recording(s) of the appropriate RH for which the cabinet is intended and for which it has been tested;
- b) method used to detect the presence of water vapour condensation;
- c) observation regarding water vapour condensation on cabinet surfaces and the time of occurrence during the cycle;
- d) sketches showing the location and extent of water vapour condensation.

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