
**Sončna energija - Sestavni deli in materiali sprejemnikov sončne energije - 2. del:
Vakuumski cevni sistem "heat pipe" za uporabo sončne toplote - Trajnost in
zmogljivost (ISO 22975-2:2016)**

Solar energy - Collector components and materials - Part 2: Heat-pipes for solar thermal application - Durability and performance (ISO 22975-2:2016)

Solarenergie - Kollektorbauerteile und -materialien - Teil 2: Wärmerohre für solarthermische Anwendungen - Beständigkeit und Leistungsfähigkeit (ISO 22975-2:2016)

Energie solaire - Composants et matériaux du collecteur - Partie 2: Caloduc pour application thermique solaire - Durabilité et performance (ISO 22975-2:2016)

Ta slovenski standard je istoveten z: EN ISO 22975-2:2016

ICS:

27.160 Sončna energija Solar energy engineering

SIST EN ISO 22975-2:2017 en

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EUROPEAN STANDARD

EN ISO 22975-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 27.160

English Version

Solar energy - Collector components and materials - Part 2: Heat-pipes for solar thermal application - Durability and performance (ISO 22975-2:2016)

Énergie solaire - Composants et matériaux du
collecteur - Partie 2: Caloduc pour application
thermique solaire - Durabilité et performance (ISO
22975-2:2016)

Solarenergie - Kollektorbauteile und -materialien - Teil
2: Wärmerohre für solarthermische Anwendungen -
Beständigkeit und Leistungsfähigkeit (ISO 22975-
2:2016)

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European foreword

This document (EN ISO 22975-2:2016) has been prepared by Technical Committee ISO/TC 180 "Solar energy" in collaboration with Technical Committee CEN/TC 312 "Thermal solar systems and components" the secretariat of which is held by ELOT.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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INTERNATIONAL
STANDARD

ISO
22975-2

First edition
2016-10-01

**Solar energy — Collector components
and materials —**

Part 2:
**Heat-pipes for solar thermal
application — Durability and
performance**

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Énergie solaire — Composants et matériaux du collecteur —

*Partie 2: Caloduc pour application thermique solaire — Durabilité et
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Reference number
ISO 22975-2:2016(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 180, *Solar energy*.

ISO 22975 consists of the following parts, under the general title *Solar energy — Collector components and materials*:

- *Part 1: Evacuated tube — Durability and performance*
- *Part 2: Heat-pipes for solar thermal application — Durability and performance*
- *Part 3: Absorber surface durability*

The following parts are under preparation:

- *Part 5: Insulation material durability and performance*

Introduction

This part of ISO 22975 specifies test methods for durability and performance of heat-pipes for solar thermal application.

This part of ISO 22975 is applicable to all heat-pipes for use with both evacuated tubes and flat plate collectors.

For each durability and performance test, its objective, principle, test condition, apparatus, procedure and test results are specified.

For all the tests specified in this part of ISO 22975, a complete heat-pipe is required.

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