
**Ugotavljanje obstojnosti izolacijskih materialov pri razlitju v kriogenem področju -
1. del: Tekoča faza (ISO 20088-1:2016)**

Determination of the resistance to cryogenic spillage of insulation materials - Part 1:
Liquid phases (ISO 20088-1:2016)

Bestimmung der Beständigkeit von Isoliermaterialien bei kryogenem Auslaufen - Teil 1:
Flüssigkeit (ISO 20088-1:2016)

Détermination de la résistance des matériaux d'isolation thermique suite à un
refroidissement cryogénique - Partie 1: Phase liquide (ISO 20088-1:2016)

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EUROPEAN STANDARD
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EN ISO 20088-1

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**Determination of the resistance to cryogenic spillage of
insulation materials - Part 1: Liquid phases (ISO 20088-
1:2016)**

Détermination de la résistance des matériaux
d'isolation thermique suite à un refroidissement
cryogénique - Partie 1: Phase liquide (ISO 20088-
1:2016)

Bestimmung der Beständigkeit von Isoliermaterialien
bei kryogenem Auslaufen - Teil 1: Flüssigkeit (ISO
20088-1:2016)

This European Standard was approved by CEN on 5 August 2016.

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European foreword

This document (EN ISO 20088-1:2016) has been prepared by Technical Committee ISO/TC 67 "Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries" in collaboration with Technical Committee CEN/TC 282 "Installation and equipment for LNG" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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**Determination of the resistance
to cryogenic spillage of insulation
materials —**

**Part 1:
Liquid phase**

iTeh STANDARD PREVIEW
*Détermination de la résistance des matériaux d'isolation thermique
suite à un refroidissement cryogénique —
Partie 1: Phase liquide*
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ISO 20088-1:2016(E)**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 67, *Materials, equipment and offshore structure for petroleum, petrochemical and natural gas industries*, Subcommittee SC 9, *Liquefied natural gas installations and equipment*.

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Introduction

The test described in the procedure in this document is one in which some of the properties of cryogenic spillage protection materials can be determined. This test is designed to give an indication of how cryogenic spillage protection materials will perform in a sudden exposure to cryogenic liquid.

The dimensions of the test specimen can be smaller than typical items of structure and plant and the release of liquid can be substantially less than that which might occur in a credible event. However, individual thermal and mechanical loads imparted to the cryogenic spillage protection materials, from the cryogenic spillage defined in the procedure described in this document, have been shown to be similar to those by large-scale cryogenic spillage.

Further parts of ISO 20088 are planned for future publication:

- Part 2 : Vapour phase;
- Part 3: High pressure jet release.

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