



BSI Standards Publication

Requirements for aerosol filters used in nuclear facilities against specified severe conditions

Part 1: General requirements

National foreword

This British Standard is the UK implementation of ISO 23137-1:2024.

The UK participation in its preparation was entrusted to Technical Committee MCE/21, Filters for gases and liquids.

A list of organizations represented on this committee can be obtained on request to its committee manager.

During the development of this standard, it was noticed that the proposed test method for filtration efficiency/decontamination was to ISO 29463-5:2022. The UK committee observed that this test is not used in the UK for HEPA filters in nuclear applications. The Office for Nuclear Regulation (UK's nuclear regulator), in its document NS-TAST-GD-022 ONR Technical Assessment Guide (TAG – guidance document for inspectors), recognizes the guidance and standards of the UK National Nuclear Ventilation Forum as a source of Relevant Good Practice (RGP). NS-TAST-GD-022 does reference the NNVF endorsed “Engineering Standard, Type Testing and Approval of High Efficiency Particulate Air (HEPA) Filters,” ES_0_1705_2. It was therefore agreed in the working group that allowance could be made for nuclear operators to use standards and practices in accordance with their own national regulations. For filtration performance (particulate removal, Subclause 4.1.5) this is phrased ‘Depending on national regulations required by nuclear safety authorities, the filtration performances can also be specified according to approved national standards’. Similar phrases can be seen throughout ISO 23137-1, thereby allowing the UK nuclear industry to use its established practices.

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© The British Standards Institution 2024
Published by BSI Standards Limited 2024

ISBN 978 0 539 15750 5

ICS 91.140.30

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2024.

Amendments/corrigenda issued since publication

Date	Text affected
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International
Standard

ISO 23137-1

**Requirements for aerosol filters
used in nuclear facilities against
specified severe conditions —**

**Part 1:
General requirements**

*Exigences pour les filtres à aérosols utilisés dans les installations
nucléaires dans des conditions sévères spécifiées —*

Partie 1: Exigences générales

**First edition
2024-04**

Reference number
ISO 23137-1:2024(en)

Full document details: BS ISO 23137-1:2024

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 142, *Cleaning equipment for air and other gases*.

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