



BSI Standards Publication

Cleaning of air and other gases — Vocabulary

National foreword

This British Standard is the UK implementation of EN ISO 29464:2024. It is identical to ISO 29464:2024. It supersedes BS EN ISO 29464:2019, which is withdrawn.

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.

BSI, as a member of CEN, is obliged to publish EN ISO 29464:2024 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval.

The cleaning of supply or recirculation air requires the physical removal of the contaminant in the air as achieved by mechanical air filtration and molecular gas filtration. These are performance tested and classified by the BS EN ISO 16890 and BS EN ISO 10121 series of standards respectively. For stand-alone air cleaners, the UK committee advises users to consider BS EN 1822-1 and BS EN ISO 29463, Parts 2-5, with regards to HEPA filter testing. For UV light, performance testing is described in BS ISO 15714.

It is the view of the UK committee that any technology that irradiates or chemically treats contaminants (e.g. bioparticles such as viruses or bacteria) in the air but does not physically remove them from the air can be described as sterilizing or disinfecting the contaminants but not cleaning the air.

The UK committee encourages users to performance test any proposed technology in accordance with the current CEN/CENELEC and/or ISO/IEC standard that applies.

UK users might find BS EN 16798-3:2017, Table 6 – Definitions of air in and around buildings, a useful resource when using this standard.

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Published by BSI Standards Limited 2024

ISBN 978 0 539 24378 9

ICS 01.040.91; 91.140.30