



BSI Standards Publication

Respiratory protective devices — Human factors

Part 4: Work of breathing and breathing resistance: physiologically based limits

National foreword

This British Standard is the UK implementation of [ISO 16976-4:2023](#). It supersedes [PD ISO/TS 16976-4:2019](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/4, Respiratory protection.

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

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Part 4: physiologically based limits

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*Partie 4: Travail de respiration et résistance respiratoire : limites
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Foreword

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This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Personal protective equipment*, Subcommittee SC 15, *Respiratory protective devices*.

This first edition of [ISO 16976-4](#) cancels and replaces the second edition of the Technical Specification [ISO/TS 16976-4:2019](#), which has been technically revised.

The main changes are as follows:

— the document has been editorially revised.

A list of all parts in the ISO 16976 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

A respiratory protective device (RPD) is designed to offer protection from the inhalation of hazardous substances. However, this protection requires extra effort by the respiratory muscles as they need to generate higher pressures to overcome the associated respiratory loads imposed by the RPD.

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