

**DEPARTMENT OF TRADE AND INDUSTRY  
DEPARTEMENT VAN HANDEL EN NYWERHEID**

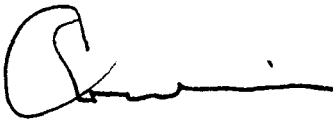
No. R. 369

20 March 2003

**STANDARDS ACT, 1993**

**COMPULSORY SPECIFICATION FOR RESPIRATORS**

I, Alexander Erwin, Minister of Trade and Industry, hereby under Sections 22.(1)(a)(i), (iii) and (8) of the Standards Act, 1993 (Act No. 29 of 1993), and on the recommendation of the Council of the South African Bureau of Standards, withdraw the compulsory specification for respiratory equipment for protection against harmful particulates and gas (Parts I-III published by Government Notice 2016 (Government Gazette 12100) of 22 September 1989 and Parts IV and V published by Government Notice R2249 (Government Gazette 12751) of 21 September 1990), and declare the specification for respirators as set out in the Schedule to be a compulsory specification, with effect from the date two (2) months after the date of publication of this notice.



A. ERWIN  
Minister of Trade and Industry

## SCHEDULE

### COMPULSORY SPECIFICATION FOR RESPIRATORS

#### 1 Scope

**1.1** This specification covers the following types and components of respiratory protective devices:

- a) full face masks, including masks for special use;
- b) half masks;
- c) quarter masks;
- d) gas filters;
- e) combined filters for use as components in unassisted respiratory protective devices;
- f) mouthpiece assemblies;
- g) particle filters;
- h) powered particle filtering devices;
- i) standard and centre threads; and
- j) filter self-rescuers.

**1.2** This specification also covers the design classification of respirators and the environments in which respirators are to be used.

**1.3** This specification does not cover respirators for use in escape or diving applications.

#### 2 Definitions

For the purposes of this specification, the following definitions apply:

##### 2.1

**combination filter**

filter that removes dispersed solid or liquid particles (or both), and specified gases and vapours

##### 2.2

**gas filter**

filter that removes specified gases and vapours

##### 2.3

**mask**

part of a respirator that is worn on the face and that comprises the face blanket, exhalation and inhalation valve(s) (when relevant), eye piece(s) (when relevant) and face seals. Can be either a full mask, a half mask, or a quarter mask

**2.4****particulate filter**

part of a respiratory filter that removes particulate matter from the air inhaled by the wearer

**2.5****particulate matter**

matter that occurs in the form of minute separate particles, such as dust, fumes and mist

**2.6****respirator**

device worn over the nose or mouth (or both), intended to protect the wearer from contaminated air by filtering the ambient air before it is inhaled

**3 Requirements****3.1 General requirements**

A respirator shall be so designed and constructed that it can supply the wearer with a source of breathable air which is not isolated from the wearer's immediate environment.

**3.2 Particular requirements**

**3.2.1** Respiratory protective devices shall comply with the following standards:

- a) SABS EN 132:1998, *Respiratory protective devices – Definitions of terms and pictograms*;
- b) SABS EN 133:1990, *Respiratory protective devices – Classification*;
- c) SABS EN 134:1998, *Respiratory protective devices – Nomenclature of components*; and
- d) SABS EN 135:1998, *Respiratory protective devices – List of equivalent terms*.

**3.2.2** Full face masks shall comply with SABS EN 136:1998, *Respiratory protective devices – Full face masks – Requirements, testing, marking*, and full face masks for special use shall comply with SABS EN 136-10:1992, *Respiratory protective devices – Full face masks for special use – Requirements, testing, marking*.

**3.2.3** Half masks and quarter masks shall comply with SABS EN 140:1998, *Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking*.

**3.2.4** Gas filters and combined filters shall comply with SABS EN 141:1990, *Respiratory protective devices – Gas filters and combined filters – Requirements, testing, marking*.

**3.2.5** Mouthpiece assemblies shall comply with SABS EN 142:1989, *Respiratory protective devices – Mouthpiece assemblies – Requirements, testing, marking*.

**3.2.6** Particle filters shall comply with SABS EN 143:1990, *Respiratory protective devices – Particle filters – Requirements, testing, marking*.

**3.2.7** Powered particle filtering devices incorporating helmets or hoods shall comply with SABS EN 12941:1998, *Respiratory protective devices – Powered filtering devices incorporating a helmet or a hood – Requirements, testing, marking*.

**3.2.8** Power assisted particle filtering devices incorporating full face masks, half masks or quarter masks shall comply with SABS EN 12942:1998, *Respiratory protective devices - Power assisted filtering devices incorporating full face masks, half masks or quarter masks - Requirements, testing, marking.*

**3.2.9** Threads for facepieces shall comply with SABS EN 148-1:1987, *Respiratory protective devices - Threads for facepieces - Standard thread connection*, with SABS EN 148-2:1987, *Respiratory protective devices - Threads for facepieces - Centre thread connection*, and with SABS EN 148-3:1992, *Respiratory protective devices - Threads for facepieces - Thread connection M 45 x 3.*

**3.2.10** Filtering half masks (for protection against particles) shall comply with SABS EN 149:1991, *Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking.*

**3.2.11** AX filters and combined filters against low boiling organic compounds shall comply with SABS EN 371:1992, *Respiratory protective devices - AX gas filters and combined filters against low boiling organic compounds - Requirements, testing, marking.*

**3.2.12** SX gas filters and combined filters against specific named compounds shall comply with SABS EN 372:1992, *Respiratory protective devices - SX gas filters and combined filters against specific named compounds - Requirements, testing, marking.*

**3.2.13** Filtering respiratory protective devices with hood for self-rescue from fire shall comply with SABS EN 403:1993, *Respiratory protective devices for self-rescue - Filtering devices with hood for self-rescue from fire - Requirements, testing, marking.*

**3.2.14** Filter self-rescuers shall comply with SABS EN 404:1993, *Respiratory protective devices for self-rescue - Filter self-rescuer - Requirements, testing, marking.*

**3.2.15** Valved filtering half masks for protection against gases or gases and particles shall comply with SABS EN 405:1992, *Respiratory protective devices - Valved filtering half masks to protect against gases or gases and particles - Requirements, testing, marking.*