

EC Type-Examination

No. CE 546036



Issued to:

3M United Kingdom Plc
3M Centre
Bracknell
Berkshire
RG12 8HT
United Kingdom

In respect of:

Respiratory protective devices to EN 14594:2005
Continuous flow compressed air line breathing apparatus
Model Range: Based on the 3M™ S-133S and 3M™ S-133L Headtops
See details on pages 2 to 4.

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

A handwritten signature in black ink, appearing to read 'D. Ford', with a horizontal line drawn underneath it.

David Ford, Director, Healthcare and Testing Services

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Product Details:

Product name:	Headtop based Supplied Air Respiratory Protective System.
Product type:	Continuous flow compressed air line breathing apparatus incorporating a hood.
Models:	3M™ S-133S/S-133L Headtop - 3M™ Vortex system (standard industrial product). 3M™ S-133S/S-133L Headtop - 3M™ Vortemp™ system (standard industrial product). 3M™ S-133S/S-133L Headtop - 3M™ Flowstream™ system (standard industrial product).
Technical Specifications:	Harmonized European Standard EN 14594:2005.
EN 14594 classifications:	Class 3A (all models).

The product assessments for the respiratory protection were based on BS EN 14594:2005, the English language version of EN 14594:2005, respiratory protective devices - continuous flow compressed air line breathing apparatus.

Components of the systems:

The major components of each system are a Headtop with a 3M specified breathing tube and a belt mounted airflow control unit (1). The Headtop is a fabric headcover/head suspension unit incorporating a face seal and an integral clear visor.

Air is fed to the airflow control unit via a 3M specified Compressed Air Supply Tube (CAST) and associated connectors. The standard duty 10m, 30m and the 10m antistatic high temperature CASTs used in the systems meet the relevant Class B requirements of EN 14594:2005 to allow for the systems to incorporate CASTs of lengths up to 30m. The 3M™ Vortex and 3M™ Vortemp™ airflow control units have, respectively, the facility to cool or heat the air supplied to the Headtop. The components of the systems are detailed in the appropriate 3M Reference Leaflet included in the relevant Technical File referenced on page 4.

(1) Existing EN 1835 marked airflow control units and associated CASTs can be used with the Headtops and 3M specified breathing tubes referenced here, systems so configured meeting the requirements of EN 1835.

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Eye protection incorporated within the systems:

In addition to the respiratory protection provided by the systems eye and face protection is also provided.

Technical specifications: Harmonized European Standard EN 166:2001.

EN 166 classifications: 2 - optical class.

Options: F - low energy impact.
3 - liquid splash.

The product assessments for the eye protection were based on BS EN 166:2002, the English language version of EN 166:2001 - personal eye protection.

Packaged variants

In addition to the products referenced on this Certificate the standard industrial products may also be sold as market specific packaged variants. To address this the applicable Technical File(s) will be updated with the appropriate information.

Kits and packouts

The products referenced on this Certificate may also be combined with other 3M products into a kit or packout. There will be no change to the product but the user information may vary, in such instances the applicable Technical File(s) will be updated with the appropriate information.

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Certificate

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Certificate Administration Details:

Technical File References:

System component	Technical File
3M™ S-133S/S-133L	TF0129.
3M™ BT-20S/BT-20L	TF0137.
3M™ Vortex Airflow Control Unit	RMG 0154/10/2000.
3M™ Vortemp™ Airflow Control Unit	RMG 0153/10/2000.
3M™ Flowstream™ Airflow Control Unit	RMG 0151/05/2000.

Certificate Amendment Record and internal BSI report related to this Certificate:

Issue date	Comments	BSI Report No.
30 March 2009	First issue, model 3M™ S-133S/S-133L.	0086:7230589
27 July 2009	Information added regarding CASTs to Class B.	0086:7391042-2

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate is also dependent on the maintenance of the EC quality of production by monitoring system, PPE Article 11B, as referenced on BSI Certificate 67902.

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