

EU Type Examination Certificate

This is to certify that:

3M Svenska AB
Ernst Hedlunds väg 35
785 30 GAGNEF
Sweden

Holds Certificate Number:

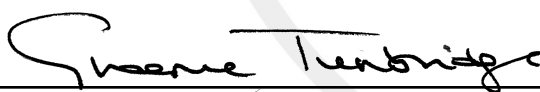
CE 694208

In respect of:

Respiratory protective devices to EN 12941:1998+A2:2008
Powered filtering devices incorporating a helmet or hood
Model Range: 3M™ Versaflo™ Headtops with Adflo™ Powered Air Respirator
Models: M-207, M-307 and M-406/M-407

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified
Body for the above Regulation
(Notified Body Number 2797):


Graeme Tunbridge, Senior Vice President Global Regulatory & Quality

First Issued: 2018-06-28
Latest Issue: 2024-12-02

Effective Date: 2024-12-02
Expiry Date: 2028-06-27

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Product Details

Product name: Headtop based Powered Air Respiratory Protective Systems

Product type: Powered air filtering respiratory protective devices comprising a headtop/visor combination to provide eye and face protection. To additionally provide head protection for three of the systems the headtop is either an industrial bump cap or industrial safety helmet

Models:

3M™ Versaflo™ M-207 Faceshield - 3M™ Adflo™ systems
3M™ Versaflo™ M-307 Helmet - 3M™ Adflo™ systems
3M™ Versaflo™ M-406/M-407 Helmet - 3M™ Adflo™ systems

Technical Specification:

Harmonized European Standard EN 12941:1998+A2:2008 (all systems)
Harmonized European Standard EN 166:2001 (all systems)
Harmonized European Standard EN 812:2012 (M-207 systems only)
Harmonized European Standard EN 397:2012+A1:2012 (M-307 & M-406/M-407 systems)

EN 12941 classifications:

Versaflo™ M-207 Faceshield – Adflo™ systems	TH2
Versaflo™ M-307 Helmet – Adflo™ systems	TH2
Versaflo™ M-406/M-407 Helmet – Adflo™ systems	TH2

EN 166 classifications: (all systems)	Visor / Surround	EN 166 Attribute	Marking symbol
	M-925 Visor (uncoated)	Optical class	1
		Protection against high speed particles, medium energy impact at extremes of temperature	BT
		Protection against molten metal and hot solids	9
	M-927 Visor (coated)	Optical class	1
		Protection against high speed particles, medium energy impact at extremes of temperature	BT
	M-920 Surround		BT
		Protection against high speed particles, medium energy impact at extremes of temperature	3
		Protection against droplets and splashes of liquids	9
		Protection against molten metal and hot solids	9

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EN 812 classification: (M-207 system)	Non Mandatory EN 812 Attributes Electrical properties	Marking Symbol 440 V (a.c.)
EN 397 classifications: (M-307 and M-406/M-407 systems)	Non Mandatory EN 397 Attributes Electrical properties Lateral deformation	Marking Symbol 440 V (a.c.) LD

Electromagnetic Compatibility (EMC)

The Adflo Powered Air Respirator also complies with the requirements of the Electromagnetic Compatibility Directive 2014/30/EC.

Systems Components:

The major components of each system are a 3M Faceshield or Helmet with a 3M Breathing Tube and, as standard, a 3M Waist Belt mounted Powered Air Respirator complete with Battery and Filter(s).

Components common to all systems:

The Versaflo M-207 Headtops comprise of an Industrial Bump Cap type Faceshield with a lift-up Visor/Faceseal section incorporating either a clear coated or clear uncoated Visor. As standard the M-207 is fitted with Flame Resistant Faceseals.

The Versaflo M-307 Headtops comprise of an Industrial Safety Helmet complete with a lift-up Visor/Faceseal section incorporating a clear coated or clear uncoated Visor. As standard the M-307 is fitted with Flame Resistant Faceseals.

The Versaflo M-406/M-407 Headtops comprise of an Industrial Safety Helmet complete with a lift-up Visor Carrier incorporating a clear coated or clear uncoated Visor and with an Inner Collar and High Durability or Flame Resistant Outer Shroud. The models are identical except that as standard the M-406 and M-407 are fitted with High Durability and Flame Resistant Outer Shroud respectively. In use the Outer Shrouds are interchangeable.

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Components of specific systems:

Systems incorporating a M-207 or M-307 Headtop	
Description	Part No.
Powered Air Respirator	
Adflo	83 77 30
Batteries (1)	
Standard Li-ion	83 76 30
	83 76 30-A
Heavy Duty Li-ion	83 76 31
	83 76 31-A
Particulate Filter (1)	
P R SL	83 70 10
Gas Filter options to be used with the Particulate Filter (1)	
A2	83 75 42
A1B1E1	83 72 42
Items required for use with the Particulate Filter (1)	
Pre-filter	83 60 10
Spark arrestor	83 60 00
Belts, Braces and Backpack	
Belt	83 50 00
Braces	83 50 20
Back pack	BPK-01
Back pack	BPK-HD
Breathing Tubes (1)	
With Silencer	83 40 09
Self-adjusting	83 40 16
Rubber	83 40 17
Self-adjusting, long	83 40 19
Cover (optional)	83 40 18

Breathing Tube Part No.	Filters Type and Part No.		
	P R SL Filter 83 70 10	A1B1E1 Filter 83 72 42	A2 Filter 83 75 42
83 40 09	(A) (C)	(A) (D)	(A) (D)
83 40 16	(A) (C)	(B)	(B)
83 40 17	(A) (C)	(B)	(B)
83 40 19	(A) (C)	(B)	(B)

- (A) For use in Certified systems.
(B) Not for use in Certified systems.
(C) Must include Pre-Filter and Spark Arrestor.
(D) Must be used with Li-ion Heavy Duty Battery.

(1) See table for Breathing Tube/Filter and Battery combinations Certified for the systems.

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Components of specific systems:

Systems incorporating a M-406/407 Headtop	
Description	Part No.
Powered Air Respirator	
Adflo	83 77 30
Batteries (1)	
Standard Li-ion	83 76 30
	83 76 30-A
Heavy Duty Li-ion	83 76 31
	83 76 31-A
Particulate Filter (1)	
P R SL	83 70 10
Gas Filter options to be used with the Particulate Filter (1)	
A2	83 75 42
A1B1E1	83 72 42
Items required for use with the Particulate Filter (1)	
Pre-filter	83 60 10
Spark arrestor	83 60 00
Belts, Braces and Backpack	
Belt	83 50 00
Braces	83 50 20
Back pack	BPK-01
Back pack	BPK-HD
Breathing Tubes (1)	
With Silencer	83 40 09
Cover (optional)	83 40 18

Breathing Tube Part No.	Filters Type and Part No.		
	P R SL Filter 83 70 10	A1B1E1 Filter 83 72 42	A2 Filter 83 75 42
83 40 09	(A) (C)	(A) (D)	(A) (D)
83 40 16	(B)	(B)	(B)
83 40 17	(B)	(B)	(B)
83 40 19	(B)	(B)	(B)

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Certificate Administration Details

Technical File References:

System Component	Technical File
3M Adflo Powered Air Respirator	TF0670
3M Breathing Tubes	TF0672
3M Versaflo Faceshields / Helmets	TF0705

Certificate Amendment Record:

Issue date	Comments	BSI Review No.
June 2018	First issue	0086:18:8944349
May 2019	Electromagnetic Compatibility Directive corrected to 2014/30/EU and in Certificate Validity section reference to system type updated to EU Regulation Module D	0086:19:9698392
September 2019	Addition of M-207 based systems. EN 397 classifications and assessment detail added. Technical File References section amended to read M-307 Helmets and M-406/M-407 Helmets	0086:19:9679626
May 2022	Administrative changes	2797:22:3582600
May 2023	Administrative changes to include Standard Li-ion 83 76 30-A and Heavy Duty Li-ion 83 76 31-A batteries, under amendment 02 TF0670.	2797:23:3830856
June 2023	Administrative changes to include Back pack BPK-HD 5 year certificate renewal	2797:23:3919050 2797:23:3919064
December 2024	Administrative change to reference Module D CE 810051.	2797:24:30269688

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 EU Conformity to Type based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate CE 810051.

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