

EU Type Examination Certificate

This is to certify that:

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

Holds Certificate Number:

CE 695368

In respect of:

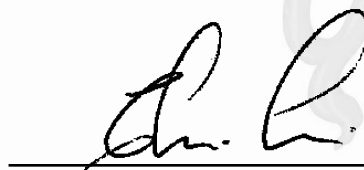
Respiratory protective devices to EN 12941:1998+A2:2008

Powered filtering devices incorporating a helmet or hood

Model: 3M™ Speedglas™ Welding Helmet G5-01 with 3M™ Adflo Powered Air Respirator

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 0086):



Chris Lewis - Certification Director, Product Certification

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Latest Issue: 2019-05-14

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No. CE 695368

Product Details

Product name:	Welding helmet based powered air respiratory protective systems.
Product type:	Powered air filtering devices comprising a welding helmet to provide eye and face protection
Models:	3M™ Speedglas Welding Helmet G5-01 - 3M™ Adflo systems
Technical Specification:	EN 12941:1998+A2:2008 Respiratory protective devices — Powered filtering devices incorporating a helmet or a hood
EN 12941 classifications:	TH3
MMDF:	160 l/min
Designed duration:	4 hours

Product Assessments

The product assessments for the respiratory protection were based on BS EN 12941:1998+A2:2008, the English language version of EN 12941:1998+A2:2008, respiratory protective devices - powered filtering devices incorporating a helmet or hood.

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™ Welding Helmet with a 3M™ Breathing Tube and, as standard, a 3M™ Waist Belt mounted Powered Air Respirator complete with Battery and Filter(s).

Headtops:

The Welding Helmet provide eye & face protection according to EN 175 and is designed to incorporate 3M™ Speedglas protective oculars that complies with EN 166, in combination with either 3M™ Speedglas Auto darkening welding filter (ADF) that complies with EN 379 or 3M™ passive lenses that complies with EN 169. The outer protection plate is positioned outside of the welding filter, and the inner protection plate must be assembled on the inside of the filter. The Welding Helmet has a flip-up solution which means that the welding filter can be lifted on top of the head, away from the viewing area to provide better view when not welding. A clear Visor Plate then provides the eye and face protection according to EN166. The G5-01 is designed to be used with the 3M™ Adflo™ Powered Air Respirator to EN 12941:1998+A2:2008.

Breathing Tubes

Each system can be fitted with the 3M™ 834016 self-adjusting breathing hose, 3M™ 834017 heavy duty rubber breathing hose and 3M™ 834019 self-adjusting long breathing hose. The Breathing Tubes incorporate a quick release connector which allows easy connection/disconnection to the Headtops.

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Independently CE Certified non-respiratory protective characteristics of the system

EN 166:2001 Personal eye protection
Impact B (Visor plate and protection plates class BT)

EN 175:1997 Personal protection - Equipment for eye and face protection during welding and allied processes
Impact B

EN 379:2003+A1:2009 Personal eye-protection - Automatic welding filters
G05-01VC Light scale 3
 Dark scale 8-14
G05-01TW Light scale 3
 Dark scale 8-13

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Non Welding Helmet components of the systems

Batteries	
Description	Part No.
Standard Li-ion	83 76 30
Heavy Duty Li-ion	83 76 31
Filters (1)	
P R	83 70 10
P R Optional items	
Pre-filter	83 60 10
Spark arrestor	83 60 00
A2	83 75 42
A1B1E1	83 72 42
Belts, Braces and Backpack	
Belt	83 50 00
Back pack	BPK-01
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

Certified Breathing Tube/Filter Combinations

Breathing Tube Part No.	Filters Type and Part No.		
	PR (SL) Filter 83 70 10 (C)	ABE1 Filter 83 702 42	A2 Filter 83 75 42
83 40 09	(A)	(A)	(A)
83 40 16	(A)	(A)	(A)
83 40 17	(A)	(A)	(A)
83 40 19	(A)	(A)	(A)

- (A) For use in Certified systems.
(B) Not for use in Certified systems.
(C) Can include Pre-filter and Spark Arrestor

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

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Certificate Administration Details

Technical File References:

System Component	Technical File
3M™ Adflo Powered Air Supply Unit	TF0002G
3M™ Speedglas Welding Helmet G5-01	TF0031G
3M™ Breathing Tubes – Welding Helmets	TF0024G

Certificate Amendment Record:

Issue date	Comments	BSI Review No.
May 2019	First issue.	0086:19:8959345

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 for the products 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 595701.

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