

EU Type Examination Certificate

This is to certify that:

3M United Kingdom Plc
3M Centre
Cain Road
Bracknell
RG12 8HT
United Kingdom

Holds Certificate Number:

CE 682318

In respect of:

Respiratory protective devices to EN 12941:1998+A2:2008 - Powered filtering devices incorporating a helmet or hood Models: Range based on the 3M™ Speedglas™ 9100 MP Helmet

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):



Denelise L'Ecluse, Managing Director Assurance - Continental Europe

First Issued: 2019-04-18

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Product Details

Product name:	3M™ Headtop based Powered Air Filtering Respiratory Protective System.		
Product type:	Powered air filtering devices incorporating a helmet to additionally provide head, eye and face protection		
Models:	Speedglas™ 9100 MP Welding Shield – 3M™ Versaflo™ TR-602E systems		
Technical Specifications:	Harmonized European Standard EN 12941:1998+A2:2008 Harmonized European Standard EN 166:2001 Harmonized European Standard EN 175:1997 Harmonized European Standard EN 397:2012+A1:2012		
EN 12941 classifications:	3M Versaflo TR-602E systems:		TH3
EN 397 classifications:	Mandatory requirements plus the following options:		
	Options Electrical insulation Lateral deformation		Marking symbol 440 V a.c. LD
EN 166 classifications:	Mandatory requirements plus the following options:		
	Options Protection against high speed particles, medium energy impact at extremes of temperature		Marking symbol BT
EN 175 classifications:	Mandatory requirements plus the following options:		
	Options Mechanical strength, protection against medium energy impact		Marking symbol B

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Dust and Water Ingress Protection

In Use Configuration

BS EN 60529:1992, Degrees of protection provided by enclosures (IP code).

Powered Air Turbo Unit	Protection Code Description	Code
TR-602E	Dust protected	IP5X
	Protected against spraying water in all directions	IPX4

Decontamination configuration

BS EN 60529:1992, Degrees of protection provided by enclosures (IP code).

Powered Air Turbo Unit	Protection Code Description	Code
TR-602E Turbo fitted with cleaning and storage plugs (no Filter or Battery Pack)	Dust tight	IP6X
	Protected against temporary water immersion	IPX7
TR-602E Battery Packs fitted with cleaning cover	Protected against temporary water immersion	IPX7

Electromagnetic Compatibility (EMC)

The TR-602E Powered Air Turbo Unit also complies with the requirements of the Electromagnetic Compatibility Directive 2014/30/EU.

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Components of the systems

The major components of each system are a 3M Speedglas 9100 MP Headtop, a 3M Breathing Hose and, as standard, a 3M Belt Mounted Powered Air Turbo complete with Battery and Filter(s).

Components common to all systems

Headtops

The Welding Shield Headtop incorporates an industrial safety helmet complete with a fixed clear Visor, Headcover, Faceseal and Airduct plus a lift-up Welding Shield with an Automatic Darkening Filter complete with an Inner and an Outer Protection Plate.

Breathing Tubes

The system can be fitted with the BT-Series Breathing Tubes consisting of the BT-20S (lightweight, short/medium), BT-20L (lightweight, medium/long), BT-30 (self-adjusting) or BT-40 (heavy duty rubber) Breathing Tubes. The Breathing Tubes incorporate a quick release connector which allows easy connection/disconnection to the Headtops.

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System Components

Systems incorporating a TR-602E Turbo Unit	
Batteries	
Description	Part No.
Standard Economy	TR-630
High Capacity	TR-632
Filters	
P R	TR-6710E
A1P R	TR-6110E
A1B1E1P R	TR-6130E
A2P R	TR-6310E
P R plus nuisance level Organic Vapour and Acid Gas	TR-6820E
A2B2E2K1HgP R	TR-6580E
Belts, Braces and Backpack	
High Durability Belt	TR-626
Easy Clean Belt	TR-627
Backpack	BPK-01
Backpack	BPK-HD
Braces	TR-329/022-25-10

Packaged variants

In addition to the products referenced on this Certificate the standard industrial products may also be sold as market specific packaged variants. Such variants will be differentiated and the 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 end user information may vary, in such instances the applicable Technical File(s) will be updated with the appropriate information.

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Certificate Administration Details

Technical File References:

System Component	Technical File
3M Speedglas 9100 MP Headtop	TF0675
3M BT-20S/BT-20L, BT-30 & BT-40 Breathing Tubes	TF0137
3M Versaflo TR-602E Powered Air Turbo	TF0405
3M Versaflo TR-600 Filters	TF0429

Certificate Amendment Record:

Issue Date	Comments	BSI Review No.
April 2019	First issue, 3M Speedglas 9100 MP system. The 9100 MP Helmet based systems were initially Certified to Article 10 of the PPE Directive 89/686/EEC, BSI issued Certificate CE 590019 refers	0086:19:8846918
July 2022	Administrative changes	2797:22:3583530
May 2023	Administrative changes to remove all references to the 3M Jupiter Systems	2797:23:3794682
October 2023	Addition of BPK-HD Backpack	2797:23:3918172
April 2024	Certificate 5 years expiry renewal.	2797:24:30129428

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process 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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