

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:

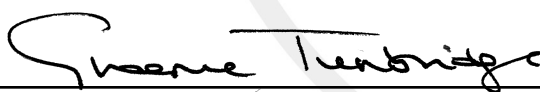
CE 699343

In respect of:

Respiratory protective devices to EN 12942:1998+A2:2008 Power assisted filtering devices incorporating half or full face masks. Models: TR-602E and TR-802E Powered Air Turbo Units incorporating Full Face Masks: 6000 Series or Half Masks: 7500 Series.

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: 2020-02-10

Latest Issue: 2025-01-08

Effective Date: 2025-01-08

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Product Specification

Product Type: Power assisted filtering respiratory system incorporating a half or full face mask.

Product Name: 3M™ Powered Air Turbo System.

Models: TR-602E Powered Air Turbo Unit with 7501, 7502 and 7503 Half Masks and 6700, 6800 and 6900 Full Face Masks.

TR-802E Powered Air Turbo Unit with 7501, 7502 and 7503 Half Masks and 6700, 6800 and 6900 Full Face Masks.

Technical Specification: Harmonized European Standard EN 12942:1998+A2:2008.

EN 12942 classifications: Class TM3 full face masks
Class TM2 half masks

Basic description

The major components of the system are 3M 7501, 7502 and 7503 Half Masks, 3M 6700, 6800 and 6900 Full Face Masks with 3M Versaflo TR-602E or TR-802E Powered Air Turbo Units, and 3M BT-63 (length adjusting) and BT-64 (heavy duty) Breathing Tubes. The Full Face Masks and Half Masks are subjects of separate EU Certificates to EN 136:1998 or EN 140:1998 as applicable.

Packaged variants

The products referenced on this Certificate may also be sold as market specific packaged variants. Such variants will be differentiated and the Technical File 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 Technical File(s) will be updated with the appropriate information.

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Components of specific systems:

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*
Backpack	TR-927*
Braces	TR-329/022-25-10

Systems incorporating a TR-802E Turbo Unit	
Batteries	
Description	Part No.
Standard	TR-830
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*
Backpack	TR-927*
Braces	TR-329/022-25-10

(*) Approved for use with systems incorporating BT-63 Breathing Tube only.

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TR-802E Powered Air Turbo

The TR-802E Powered Air Turbo Unit is an Intrinsically Safe (IS) Unit, consisting of the Turbo Unit and IS Battery Pack. This configuration has been assessed by UL International Demko A/S and is referenced on ATEX Certificate Number Demko 17 ATEX 1911, assessed as follows:

EN 60079-11:2012, Explosive atmospheres. Equipment protection by intrinsic safety 'i'.

Certification code and marking:

I M1 Ex ia I Ma
II 1 G Ex ia IIB T4 Ga
II 1 D Ex ia IIIC 135°C Da
-20°C ≤ Ta ≤ +55°C

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
TR-802E	Dust protected	IP5X
	Protected against spraying water in all directions	IPX4

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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
TR-802E Turbo fitted with cleaning and storage plugs (no Filter or Battery Pack)	Dust tight	IP6X
	Protected against temporary water immersion	IPX7
TR-802E Battery Packs fitted with cleaning cover	Protected against temporary water immersion	IPX7

Electromagnetic Compatibility (EMC)

The Powered Air Turbo Units also comply with the requirements of the Electromagnetic Compatibility Directive 2014/30/EC.

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Technical File References:

System Component	Technical File
3M TR-602E Turbo Unit	TF0405
3M TR-802E Turbo Unit	TF0476
3M TR-600/TR-800 Series Filters	TF0429
BT-60 Breathing Tubes	TF0599
7501, 7502 and 7503 Half Masks	TF0425
6700, 6800 and 6900 Full Face Masks	TF0381

Certificate Amendment Record:

Issue date	Comments	BSI Review No.
February 2020	First issue under PPE Regulation (EU) 2016/425.	2797:20:9645742
March 2023	Administrational changes - Removal of references to 3M 7907S Full face mask following discontinuation.	2797:23:3876694
October 2023	Addition of BPK-HD and TR-927 Backpacks.	2797:23:3918173
January 2025	5 Year Certificate Renewal under PPE Regulation (EU) 2016/425.	2797:25:30314401

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 so do could invalidate the Certificate in respect of production 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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