

EU Type Examination Certificate

This is to certify that:

RPB Safety LLC
2807 Samoset Rd
Royal Oak
Michigan
48073
USA

Holds Certificate Number:

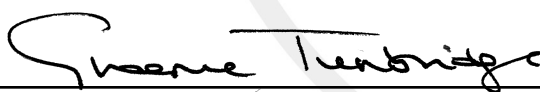
CE 718714

In respect of:

**PX5 PAPR System to EN 12941:2023;
Incorporating the following headtop systems:
T-Link, Z-Link Respiratory Helmet with Full Face Visor & optional ear-muff protector to EN 166:2001,
EN 812:2012 & EN 352-3:2020;
Z4 Welding Helmet to EN 166:2001, EN 175:1997, EN 379:2003+A1:2009, EN 812:2012 & EN 352-1:2020
T200 Headtop to EN 166:2001 & EN 352-1:2020**

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

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Product Specification

Range: **PX5 Advanced PAPR System** incorporating the following Head-tops:
Head-tops: T-LINK, Z-LINK, Z4, & T200.

Technical Specification: EN 12941:2023 – Respiratory protective devices. Powered filtering devices incorporating a loose fitting respiratory interface. Requirements, testing, marking.

Product Description: The RPB® PX5® is approved as a Powered Air Purifying Respirator Fan Unit to EN 12941:2023, designed to be used in conjunction with the approved RPB® head-tops for different applications where there is a need for protection from airborne contaminants such as welding, grinding, painting, and other construction and industrial applications, depending on the selected head-top. For applications such as welding or grinding that produce sparks or high heat, a FR (Fire Retardant) specific model is available, with a FR belt and spark arrester to prevent sparks from entering the PAPR and igniting the filter material. For applications that need cleaning and disinfecting, a DC (Easy Clean) specific model is available, with a DC Belt which has a coating for easily wiping and washing.

Model numbers: 03-801, 03-801-FR, 03-801-DC (HEPA Filter Configurations)
03-802, 03-802-FR, 03-802-DC (Combination Filter Configurations)
03-803-FR, 03-803-DC (HEPA Filter Configurations with Back-Pack)
03-804-FR, 03-804-DC (Combination Filter Configurations with Back-Pack)

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Associated Head-Tops:

Product name: T-LINK PAPR Respiratory Helmet with Full Face Visor.

Product variants: Standard Bib – TH3
Extra Long Bib – TH3

Product type: T-Link Respiratory Helmet with Full Face Visor & optional Ear-muffs.
The T-Link Respiratory Helmet with Full Face Visor is designed to only be used as part of RPB PX5 AIR Respiratory systems approved to EN 12941:2023.
The T-Link is designed to operate with a flow rate between 180-230 litres per minute and compatible for use with the PX5 PAPR system. Respiratory characteristics are specified on page 2 of this certificate.
The T-Link Helmet is approved to be used in combination with the Quiet Link Ear-muffs to EN 352-3:2020 Hearing protectors – Ear-muffs attached to an Industrial Helmet.

Technical Specification and Classifications: EN 12941:2023 – Respiratory protective devices. Powered filtering devices incorporating a loose fitting respiratory interface. Requirements, testing, marking.

FILTER	MMDF	MIN RUN TIME
HEPA	170 l/min	10.00 hrs (Speed 1) 07.00 hrs (Speed 2) 06.00 hrs (Speed 3)
Combined	170 l/min	05.00 hrs (Speed 1) 04.00 hrs (Speed 2) 04.00 hrs (Speed 3)

EN 166:2001 Personal eye-protection – Optical class 1, Impact Low and liquid splash.
Classification: 1 F 3

EN 812:2012 Industrial Bump Cap

The T-link Respiratory Helmet meets Technical Specification to the mechanical requirements of EN 397:2012+A1:2012, 5.1.1 Shock Absorption, 5.1.2 Resistance to penetration & 5.1.3 Flame Resistance

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**Technical Specification
and Classifications^{cont'd}:**

Quiet Link Ear-Muff (with T-link Respiratory Helmet with Full Face Visor)

EN 352-3:2020 Hearing protectors – Ear-Muff attached to an Industrial Helmet.
SNR_m = 35.8
SNR_s = 1.9
SNR(dB) = 34

H84 = 39 dB
M84 = 31 dB
L84 = 24 dB

H_m = 42.4
M_m = 33.1
L_m = 26.0

H_s = 2.9
M_s = 1.8
L_s = 2.2

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Product name: Z-LINK PAPR Respiratory Helmet with Full Face Visor.

Product variants: Face Seal - TH2
Chin Seal - TH2
Shoulder Cape – TH3

Product type: Z-Link Respiratory Helmet with Full Face Visor & optional Ear-muffs.
The Z-Link Respiratory Helmet with Full Face Visor is designed to be used as part of RPB PX5 AIR Respiratory systems approved to EN 12941:2023.
The Z-Link is designed to operate with a flow rate between 180-230 litres per minute and compatible for use with the PX5 PAPR systems. Respiratory characteristics are specified on page 2 of this certificate.
The Z-Link Helmet is approved to be used in combination with the Quiet Link Ear-muffs to EN 352-3:2020 Hearing protectors – Ear-muffs attached to an Industrial Helmet.

Technical Specification and Classifications:

EN 12941:2023 – Respiratory protective devices. Powered filtering devices incorporating a loose fitting respiratory interface. Requirements, testing, marking.

Filter	MMDF	Min Run Time
HEPA	170 l/min	10.00 hrs (Speed 1) 07.00 hrs (Speed 2) 06.00 hrs (Speed 3)
Combined	170 l/min	05.00 hrs (Speed 1) 04.00 hrs (Speed 2) 04.00 hrs (Speed 3)

EN 166:2001 Personal eye-protection – Optical class 1, Impact for high speed particles at extreme temperature. molten metal hot solids and liquid splash.

Classification: 1 BT 9 3

EN 169:2002, EN 170:2002 & EN 172:1994+A2:2001 filter requirements.

Filter Type:	Scale:
Clear	2-1.2 or 2C-1.2
Smoke	5-3.1
Yellow	2-1.2 or 2C-1.2
Mirror	5-3.1
IR5	4-5

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**Technical Specification
and Classifications^{cont'd}:**

The Z-link Respiratory Helmet meets a Technical Specification to the mechanical requirements of EN 397:2012+A1:2012, 5.1.1 Shock Absorption, 5.1.2 Resistance to penetration & 5.1.3 Flame Resistance and very low temperature, Molten Metal Splash, Lateral Deformation and Electrical Properties (440v) only.

Classification: -30°C / 440 V a.c / LD / MM

Quiet Link Ear-Muff (with Z-link Respiratory Helmet with Full Face Visor)

EN 352-3:2020 Hearing protectors – Ear-Muff attached to an Industrial Helmet.

SNR_m = 33.7

SNR_s = 2.1

SNR(dB) = 32

H84 = 40 dB

M84 = 29 dB

L84 = 21 dB

H_m = 42.8

M_m = 31.0

L_m = 22.9

H_s = 2.9

M_s = 2.1

L_s = 2.1

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Product name:	Z4 PAPR Respiratory Helmet with Full Face Visor.														
Product variants:	Face Seal – TH2 Shoulder Cape – TH2														
Product type:	Z4 Welding Helmet with full face visor & optional earmuffs. The Helmet is designed to be fitted with ADF units approved to EN 379:2003+A1:2009 and meets the requirements of EN 175:1997. The Z4 Welding Helmet with full face visor is designed to only be used as part of RPB PX5 AIR Respiratory systems approved to EN 12941:2023. The Z4 is designed to operate with a flow rate between 180-230 litres per minute and compatible for use with PX5 PAPR systems. Respiratory characteristics are specified on page 2 of this certificate.														
Technical Specification and Classifications:	EN 12941:2023 – Respiratory protective devices. Powered filtering devices incorporating a loose fitting respiratory interface. Requirements, testing, marking. <table><tr><th>FILTER</th><th>MMDF</th><th>MIN RUN TIME</th></tr><tr><td rowspan="3">HEPA</td><td rowspan="3">170 l/min</td><td>10.00 hrs (Speed 1)</td></tr><tr><td>07.00 hrs (Speed 2)</td></tr><tr><td>06.00 hrs (Speed 3)</td></tr><tr><td rowspan="3">Combined</td><td rowspan="3">170 l/min</td><td>05.00 hrs (Speed 1)</td></tr><tr><td>04.00 hrs (Speed 2)</td></tr><tr><td>04.00 hrs (Speed 3)</td></tr></table> EN 166:2001-Personal eye protection. Optical class1 and Medium Impact. Classification: 1 B EN 175:1997 Personal eye-protection - Equipment for eye and face protection during welding and allied processes. EN 379:2003+A1:2009 Personal eye-protection – Automatic Welding Filters Classification: RPB 16-871 - 3/9-13 RPB 1/1/1/2/379 CE (EN 379:2003+A1:2009) EN 812:2012 Industrial bump caps.		FILTER	MMDF	MIN RUN TIME	HEPA	170 l/min	10.00 hrs (Speed 1)	07.00 hrs (Speed 2)	06.00 hrs (Speed 3)	Combined	170 l/min	05.00 hrs (Speed 1)	04.00 hrs (Speed 2)	04.00 hrs (Speed 3)
FILTER	MMDF	MIN RUN TIME													
HEPA	170 l/min	10.00 hrs (Speed 1)													
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**Technical Specification
and Classifications^{cont'd}:**

Quiet-Slim Ear-Muff

EN 352-1:2020 Hearing protectors. General requirements. Earmuffs

$$SNR_m = 29.8$$

$$SNR_s = 1.9$$

$$SNR(dB) = 28$$

$$H_{84} = 31 \text{ dB}$$

$$M_{84} = 26 \text{ dB}$$

$$L_{84} = 19 \text{ dB}$$

$$H_m = 32.7$$

$$M_m = 27.8$$

$$L_m = 21.3$$

$$H_s = 1.6$$

$$M_s = 2.2$$

$$L_s = 2.6$$

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Product name: T200 PAPR Respiratory Helmet with Full Face Visor.

Product variants: Face Seal – TH3
Full Hood – TH3

Product type: T200 Respiratory Helmet with Full Face Visor & optional Earmuffs.
The T200 Respiratory Helmet with Full Face Visor is designed to only be used as part of the PX5 AIR Respiratory systems approved to EN 12941:2023.
The T200 is designed to operate with a flow rate between 180-230 litres per minute and compatible for use with PX5 PAPR systems. Respiratory characteristics are specified on page 2 of this certificate

Technical Specification and Classifications: EN 12941:2023 – Respiratory protective devices. Powered filtering devices incorporating a loose fitting respiratory interface. Requirements, testing, marking.

Filter	MMDF	Min Run Time
HEPA	170 l/min	10.00 hrs (Speed 1) 07.00 hrs (Speed 2) 06.00 hrs (Speed 3)
Combined	170 l/min	05.00 hrs (Speed 1) 04.00 hrs (Speed 2) 04.00 hrs (Speed 3)

EN 166:2001-Personal eye protection. Optical class 1, Low Impact, Liquid Splash.
Classification: 1 F 3

Quiet-Slim Ear-Muff

EN 352-1:2020 Hearing protectors. General requirements. Earmuffs

SNR_m = 29.8
SNR_s = 1.9
SNR(dB) = 28

H84 = 31 dB	H _m = 32.7	H _s = 1.6
M84 = 26 dB	M _m = 27.8	M _s = 2.2
L84 = 19 dB	L _m = 21.3	L _s = 2.6

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Certificate Administration Details

Technical File Reference: Loose Fitting Respirator Product Range - Rev.3, PX5 PAPR, T-LINK, Z-LINK, Z4, & T200

Certificate Administration Record and BSI internal Technical File Review refere

Issue date	Comments	BSI Review Ref.
April 2020	First issue – PX5 with T-Link.	2797:20:3082038
January 2021	Update to include the Z-Link, Z4 & T200.	2797:21:3264883
June 2021	Scope update to PAPR system to add Combined filters ABEK1P R SL & ABE1P R SL. Classification upgrade to TH3 Z-Link (Shoulder Cape) Scope update to Z4 EN 379:2003+A1:2009 & EN 812:2012. Scope update to Z-Link EN 166:2001 and EN 397:2012+A1:2012. Scope update to T-Link EN 166:2001 and addition of EN 812:2012 Addition of EN 166:2001 to the TF200.	2797:21:3410625
February 2024	Revision of table on page 3.	2797:24:30038797
June 2025	5 yr renewal; scope update to EN 12941:2023; change in MMDF to 170 l/m; merge scope and contents of CE 698662 Mod B.	2797:25:30312560
July 2025	Update of certificate to include the PX5 Combination HEPA A2B2E1K1HgP Gas Filter (03-896-ABEKHg) to Powered Air Purifying Respirator (PAPR) filter product line.	2797:25:30406976

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.

Maintenance & Monitoring of manufactured PPE

The Module B certification requires the continual maintenance and monitoring of the EU conformity to type based on Quality Assurance of the Production Process, Annex VIII (Module D), for the product that are referenced in BSI issued Module D Certificate Number CE 705839.

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