

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:

**PPX5 PAPR System to EN 12941:2023
Incorporating the following headtop systems:
T-Link, Z-Link Respiratory Helmet to EN 812:2012 & limited clauses to EN 397:2012+A:2012 with
optional ear-muff protector to EN 352-3:2020;
Z4 Welding Helmet to EN 812:2012 & optional ear-muff protector to EN 352-1:2020
T200 Headtop with optional ear-muff protector to 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

First Issued: 2020-06-02
Latest Issue: 2026-02-27

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Expiry Date: 2030-06-02



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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 below.
The T-Link Helmet is approved to be used in combination with the Quiet Link Ear-muffs, as well as SENA Tufftalk M-02 helmet mounted communication 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)

T-Link Full Face Visor

Note: The T-link full face visor is certified separately under Module B certificate CE 698662 (NB 2797) as described below:

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

T-link Respiratory Helmet

EN 812:2012 Industrial Bump Cap

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

$H_m = 42.4$

$M_m = 33.1$

$L_m = 26.0$

$H_s = 2.9$

$M_s = 1.8$

$L_s = 2.2$

SENA Tufftalk M-02 (18-534) helmet mounted communication earmuffs (with T-link Respiratory Helmet with Full Face Visor)

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

Note: SENA Tufftalk M-02 certified separately under CE Mod B certificate 3562002 (NB 1974). Below data is from testing in conjunction with T-link Respiratory Helmet with Full Face Visor

$SNR_m = 37.8$

$SNR_s = 2.1$

$SNR(dB) = 36$

H84 = 39 dB

M84 = 34 dB

L84 = 26 dB

$H_m = 41.3$

$M_m = 35.6$

$L_m = 29.1$

$H_s = 2.2$

$M_s = 2.1$

$L_s = 3.0$

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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 with the PX5 PAPR systems. Respiratory characteristics are specified below.
The Z-Link Helmet is approved to be used in combination with the Quiet Link Ear-muffs, as well as SENA Tufftalk M-02 helmet mounted communication 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)

Z-link Full Face Visor

Note: The Z-link full face visor is certified separately under Module B certificate CE 698662 (NB 2797) as described below:

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}:

Z-link Respiratory Helmet

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

$H_m = 42.8$

$M_m = 31.0$

$L_m = 22.9$

$H_s = 2.9$

$M_s = 2.1$

$L_s = 2.1$

SENA Tufftalk M-02 (18-534) helmet mounted communication earmuffs (with Z-link Respiratory Helmet with Full Face Visor)

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

Note: SENA Tufftalk M-02 certified separately under CE Mod B certificate 3562002 (NB 1974). Below data is from testing in conjunction with T-link Respiratory Helmet with Full Face Visor

$SNR_m = 37.3$

$SNR_s = 2.5$

$SNR(dB) = 35$

H84 = 40 dB

M84 = 32 dB

L84 = 25 dB

$H_m = 42.9$

$M_m = 34.8$

$L_m = 27.5$

$H_s = 2.8$

$M_s = 2.6$

$L_s = 3.2$

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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 as certified on CE 698661 Mod B (NB 2797). 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 with PX5 PAPR systems. Respiratory characteristics are specified below.

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

FILTER	M MDF	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)

Z4 Full Face Visor

Note: The Z-link full face visor is certified separately under Module B certificate CE 698661 (NB 2797) as described below.

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)

Z4 Welding Helmet

EN 812:2012 Industrial bump caps.

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Technical Specification and Classifications^{cont'd}:

Quiet-Slim Ear-Muff (18-524)

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

$SNR_m = 29.8$

$SNR_s = 1.9$

$SNR(dB) = 28$

H84 = 31 dB

M84 = 26 dB

L84 = 19 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 with PX5 PAPR systems.

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)

T200 Full Face Visor

Note: The T200 full face visor is certified separately under Module B certificate CE 747155 (NB 2797) as described below:

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

Quiet-Slim Ear-Muff (18-524)

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: GVS Loose Fitting Respirator Product Range - Rev.6

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
October 2025	Update of certificate to add SENA Tufftalk M-02 helmet mounted communication ear-muffs to T-link and Z-link models; also to update Quiet Slim ear-muffs to EN 352-1:2020.	2797:25:30536083
February 2026	Update certificate to add quick connect hose models 04-831-S and 04-841-S to product table. Removed eyewear standards from scope as optical properties of each head top certified separately under existing, valid EN 166 certificates – referenced in the product descriptions.	2797:26:30406978

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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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