UKCA Type Examination Certificate

This is to certify that:

GVS Safety LLC
2807 Samoset Rd
Royal Oak
Michigan
48073
USA

Holds Certificate Number: UKCA 746517

In respect of:

PX5 PAPR System to EN 12941:2023
Incorporating the following headtop systems:
T-Link, Z-Link Respiratory Helmet to EN 812:2012 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 2016/425 on Personal Protective Equipment, as amended to apply in GB (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):

Shahm Barhom, Group Product Certification Director

First Issued: 2021-09-02
Latest Issue: 2026-11-11

Effective Date: 2026-11-11
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UKAS PRODUCT CERTIFICATION 0003

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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 GVS PX5 is approved as a Powered Air Purifying Respirator Fan Unit to EN 12941:2023, designed to be used in conjunction with the approved GVS 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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	Headtops	**Z4**		**Z-Link**				**T-Link**		**T200**	
	Standards	EN12941:2023		EN12941:2023				EN12941:2023		EN12941:2023	
	Protection Level	TH2	TH2	TH3	TH3	TH2	TH2	TH3	TH3	TH3	TH3
	MMDF	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min
PAPR Blower	03-810 PX5 Fan Housing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filter Options	Number of Filters Used	1	1	1	1	1	1	1	1	1	1
	03-892-P P R SL (HEPA)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	03-893-A2 A2P R SL (Combined)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	03-895-ABEK ABEK1P R SL (Combined)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	03-894-ABE ABE1P R SL (Combined)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hose	04-831 - Standard Length	Yes		Yes		Yes		Yes		Yes	
	04-841 - Short Length		Yes		Yes		Yes		Yes		Yes
Belt/ Backpack	07-765 - Nylon Belt	Yes		Yes		Yes		Yes		Yes	
	07-765-DC - Easy Clean Belt	Yes		Yes		Yes		Yes		Yes	
	07-765-FR Nomex FR Belt	Yes		Yes		Yes		Yes		Yes	
	03-811 - Belt Support	Yes		Yes		Yes		Yes		Yes	
	03-822-DC - Easy Clean Backpack Harness		Yes		Yes		Yes		Yes		Yes
	03-822-FR - Nomex FR Backpack Harness		Yes		Yes		Yes		Yes		Yes
Battery	03-855 - Standard Lithium Ion Battery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	03-856 - High Capacity Lithium Ion Battery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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	Headtops	Z4		Z-Link				T-Link		T200	
	Standards	EN12941:2023		EN12941:2023				EN12941:2023		EN12941:2023	
	Protection Level	TH2	TH2	TH3	TH3	TH2	TH2	TH3	TH3	TH3	TH3
	MMDF	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min
Cape/ Face Seal/ Chin Seal	15-711 - Z4 FR Face Seal	Yes	Yes								
	15-721 - Z4 FR Shoulder Cape	Yes	Yes								
	16-711 - Z-Link FR Face Seal					Yes	Yes				
	16-721 - Z-Link FR Shoulder Cape			Yes	Yes						
	16-712 - Z-Link Tychem 2000 Face Seal					Yes	Yes				
	16-723 - Z-Link Tychem 4000 Shoulder Cape			Yes	Yes						
	16-724 - Aluminized Shoulder Cape			Yes	Yes						
	16-731 - Z-Link FR Chin Seal					Yes	Yes				
Hoods	17-712 - Tychem 2000 Hood							Yes	Yes	Yes	Yes
	17-713 - Tychem 4000 Hood							Yes	Yes	Yes	Yes
	17-713-SX - Tychem 4000 Hood - Safety Lens, XL Cape							Yes	Yes	Yes	Yes
	17-722 - Tychem 2000 Hood							Yes	Yes	Yes	Yes
	17-732 - Tychem 2000 Hood							Yes	Yes	Yes	Yes
Radiant Heat	16-675-GT - Radian Heat Gold Visor			Yes	Yes						
	16-675-GTIR5 - Radian Heat Gold IR5 Visor			Yes	Yes						

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	Headtops	**Z4**		**Z-Link**				**T-Link**		**T200**	
	Standards	EN12941:2023		EN12941:2023				EN12941:2023		EN12941:2023	
	Protection Level	TH2	TH2	TH3	TH3	TH2	TH2	TH3	TH3	TH3	TH3
	MMDF	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min	170l/min
	16-675-IR5 - IR5 Visor			Yes	Yes						
	16-675-HGT Radian Heat Half Gold Visor			Yes	Yes						
	16-675-GT3 Radian Heat Gold Visor, Shade 3			Yes	Yes						
	16-744 - Aluminized Top Cover			Yes	Yes						
	16-744 - Aluminized Rear Cover			Yes	Yes						
	04-855 - Aluminized Breathing Tube Cover			Yes	Yes						

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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 GVS 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 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
Technical Specification to meet Annex II of the PPE Regulation (EU) 425/2016 using the following standard:

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 meet Annex II of the PPE Regulation (EU) 2016/425 using 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	H_m = 42.4	H_s = 2.9
M84 = 31 dB	M_m = 33.1	M_s = 1.8
L84 = 24 dB	L_m = 26.0	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 GVS 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 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
Technical Specification to meet Annex II of the PPE Regulation (EU) 425/2016 using the following standards:

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 meet Annex II of the PPE Regulation (EU) 2016/425 using 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	H_m = 42.8	H_s = 2.9
M84 = 29 dB	M_m = 31.0	M_s = 2.1
L84 = 21 dB	L_m = 22.9	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 a Technical Specification meeting EN 166:2001, EN 379:2003+A1:2009 and EN 175:1997.
The Z4 Welding Helmet with full face visor is designed to only be used as part of GVS 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	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)

Z4 Full Face Visor
Technical Specification to meet Annex II of the PPE Regulation (EU) 425/2016 using the following standards:

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: GVS 16-871 - 3/9-13 GVS 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**
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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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 GVS 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
Technical Specification to meet Annex II of the PPE Regulation (EU) 425/2016 using the following standard:

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: PX5 PAPR, T-LINK, Z-LINK, Z4, & T200

Certificate Administration Record and BSI internal Technical File Review refere

Issue date	Comments	BSI Review Ref.
September 2021	Module B First issue based on CE718714.	0086:21:3406985
February 2024	Revision of table on page 3	0086:24:30038798
July 2025	Scope update to EN 12941:2023; change in MMDF to 170 l/m; merge scope and contents of UKCA 746521 Mod B.	0086:25:30312561
November 2026	Legal entity name change from RPB Safety LLC to GVS Safety LLC; 5yr certificate renewal; move outdated standards under Technical Specification to meet Annex II of the PPER.	0086:26:30745605

Certificate validity

The Certificate holder is responsible for ensuring that the Approved 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 UKCA 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 UKCA 746514.

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