



Respiratory Protection



Protecting you for life's **best** moments.®



GVS is a global manufacturer of filtration devices for the medtech, life sciences, energy & mobility, and safety sectors.

With our Safety Division, we are specialists in respiratory protection, and we are committed to protecting you for life's best moments.

Protecting people is at the heart of everything we do at GVS. For over forty years, we've been serving the industrial market, collaborating with world-renowned engineers, and constantly pushing the boundaries of creativity with new technologies that improve the functional features of our products, while seeking input from our end-users and refining our range to create the best respirators in the world.



Guide to Respiratory Protection

and filter selection



Indications for the choice of respiratory protection devices are based on current knowledge. Before each use of the respirator device, the buyer and user must ensure that the masks and filters used are those specified for the type of pollutant and its concentrations. The ultimate responsibility concerning selection and use of products lies solely with the buyer and user.

Types of filters

Dust filters are designed to be able to retain airborne particulates and are offered in various constructions, each enhancing the filter's characteristics with use of various types of filter material with different thickness, porosity and types of finish. This enables them to protect against particulates, gases and nuisance odours. Cartridge filters contain specific activated carbon, which retain certain gases and vapours by adsorption, while combined filters can remove gases, vapours and particulates.

Technical characteristics of filters

There are various types of particulate dust filters which have different filtration efficiencies. Depending on which you choose, you can have the most suitable means of protection against environmental hazards. The airborne particles are retained by the filter by means of mechanical and/or electrostatic action. In the case of gas filters, substances are retained by the chemical-physical process of the activated carbon contained in the filter, able to adsorb and neutralise contaminants. It is assumed that the efficiency of gas and vapour interception on adsorbent material is 100%, at least until the capacity of the filter material is reached. For gas filters, we refer to ; time to completion or, rather, the period beyond which the filter is saturated and the pollutant begins to pass through the filter. This 'breakthrough' time depends on the quantity and quality of the adsorbent material used, on the active area of the cartridge, on its filtration capacity against the pollutant and on environmental concentrations and conditions.

Protection against particulate (dust, mists and toxic fumes)

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Dust: dust forms when a solid material is broken down into tiny fragments. The finer the dust, the higher the risk.
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Mist: mists are tiny droplets that are formed from liquid materials by atomization and condensation processes, such as spray painting.
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Fumes: fumes are formed when a solid material is vaporized by high heat, the Vapor cools quickly and condenses into very fine particles.

Respiratory filters have 3 classes of protection in EN143 with increasing efficiency, normally expressed with a Nominal Protection Factor (NPF*) which is the ratio between concentration of the contaminant in the environment and inside the mask. The resulting factor indicates how many times the device can reduce the external concentration.

Each country in Europe may define differently the NFP.

Classes of efficiency of dust respirators	Minimum total filtration efficiency	NPF*	Max external concentration
P1	80%	4	Up to 4 x TLV
P2	94%	10	Up to 10 x TLV
P3	99,95%	40	Up to 40 x TLV

Protection Against Gases and Vapours

Gas and vapour are molecular, so small that they can penetrate particulate filters. You need to use a chemical filter with these.



Anti-gas respirators have activated carbon filters which, for physical or chemical adsorption, withhold the harmful substances that are distinguished by identifying letters and colors: EN 14387 approved respiratory gas and vapours filters are distinguished by identifying colors:

Type	Protection
A	Organic gases and vapours with a boiling point above 65°C
B	Inorganic gases and vapours (excluding carbon monoxide)
E	Sulphur dioxide and other acidic gases and vapours
K	Ammonia and organic ammonia derivatives
AX	Certain organic gases and vapours with a boiling point ≤ 65 °C. For single use only.
HG	Mercury, maximum use for 50 hours

* NPF for the United Kingdom. Other countries may have different regulations.

Filter Selection Guide

		Filter Type					
INDUSTRY	HARMFUL SUBSTANCE / RISK	P3	P3 nuisance	A1P3	ABE1P3	A2P3	ABEK1P3
Agriculture	Grain Dust	■					
	Pesticides			■	■	■	■
Automotive	Paint Vapour up to 5000 ppm					■	
	Silica Dust	■					
Construction	Paint Vapour up to 1000 ppm			■	■		■
	Asbestos	■					
	Moulds		■	■	■		■
	Concrete Dust	■					
Building Materials	Stone Dust	■					
	Aggregate Dust	■					
	Wood Dust	■					
	Cement Dust	■					
Food	Poultry	■					
	Powders (Dairy)	■					
	Spices		■				
Manufacturing	Glass Fibers	■					
	Organic Vapours (VOC)			■	■	■	■
	Composite Fibers	■					■
	Solvents			■	■	■	■
	Lead Fumes	■					
	Chlorine				■		■
	Formaldehyde				■		■
	Sulfuric Acid (gas only)				■		■
	Sulfuric Acid (powder)	■					
	Ammonia based chemicals						■
Mining	Coal Dust	■					
	Silica Dust	■					
Welding & Metal Industry	Metal (any)	■	■				
	Painted metal (repair)			■	■	■	■

Eclipse® Full Face Mask

Outstanding field of vision



Elipse Full Face Mask®

Outstanding field of vision



The Elipse® Full Face Respirator is designed for professionals who require top-tier protection and comfort in challenging environments. It is designed to be compatible with most safety helmets.

Its visor is made of durable polycarbonate, overmolded with a silicone frame, providing exceptional clarity and protection while maintaining a lightweight feel.

What sets this mask apart is its new low-profile design, which not only enhances wearer comfort but also allows for an outstanding field of vision, crucial in high-risk tasks. This improved visibility ensures greater safety and comfort, reducing the need for constant adjustment or repositioning during use.

CE 2797 UK 0086

FACE MASK
EN 136:1998 Class 1 &
EN166:2001 2C-1.2 13459 BK
FILTERS
EN 14387:2004+A1:2008
& EN143:2021

New Elipse Low Profile Filter

Designed to help airflow diffusion and full usage of the activated carbon Inhalation valve, particulate pleated filter (total length 645 mm).



Lightweight, only 350 grams. ■
*facepiece only, without filters.

■ Compact: designed to be compatible with most safety helmets.

■ Extended field of vision: filters have a lower profile by being incorporated into the mask body.

■ Low maintenance, no tools required for disassembly and cleaning.

■ Comfortable fit, the face seal is made of soft silicone for comfort, durability and a secure fit.

■ For use with new and existing particulate and combined Elipse® low profile filter cartridges.

Elipse® Full Face Mask

NEW

Outstanding field of vision



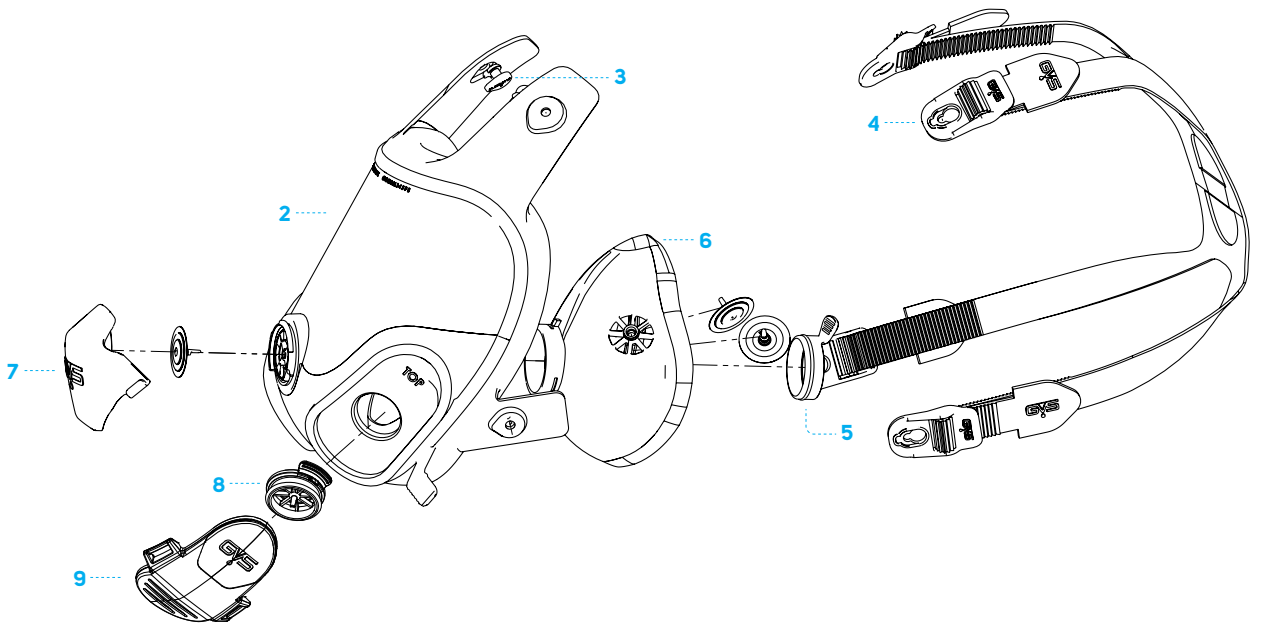
Elipse® Full Face Respirators and Filters

Part #		Description	Certifications	Box Qty
FFM2200		Elipse Full Face Mask Exc. Filters	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK	5
FFM2243		Elipse Full Face Mask with P3 Filters <i>Package also includes:</i> ■ Replaceable filters fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN143:2021	5
SPR316		P3 Replacement Filters <i>Pair.</i>	EN140:1998 EN143:2021	10
FFM2244		Elipse Full Face Mask with P3 Nuisance Odour Filters <i>Package also includes:</i> ■ Replaceable filters fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN143:2021	5
SPR336		P3 Nuisance Odour Replacement Filters <i>Pair.</i>	EN143:2021	10
FFM2216		Elipse Full Face Mask with A1P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN 14387:2004+A1:2008	5
SPR341		A1P3 Replacement Filters <i>Pair.</i>	EN 14387:2004+A1:2008	6
FFM221J		Elipse Full Face Mask with ABE1P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN 14387:2004+A1:2008	5
SPR582		ABE1P3 Replacement Filters <i>Pair.</i>	EN 14387:2004+A1:2008	6
FFM223L		Elipse Full Face Mask with A2P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN 14387:2004+A1:2008	5
FIL253L		A2P3 Replacement Filters <i>With protective caps. Pair.</i>	EN 14387:2004+A1:2008	5
FFM223K		Elipse Full Face Mask with ABEK1P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted.	EN 136:1998 Class 1 EN166:2001 2C-1.2 13459 BK EN 14387:2004+A1:2008	5
FIL253K		ABEK1P3 Replacement Filters <i>With protective caps. Pair.</i>	EN 14387:2004+A1:2008	5

Elipse® Full Face Accessories

Part #		Description	Box Qty
SPM1001		Elipse® Full Face Mask Carry Case	10
SPM1003		1 layer Tearoff	25
SPM1004		4 layers Tearoff	10
SPM1005		7 layers Tearoff	10
SPM1002		Elipse® Full Face Mask Face Fit Test Adaptor	8
SPM1018		Prescription Insert Accessory	10

Elipse® Full Face Parts



Part #	Description	Quantity	Part #	Description	Quantity
SPM1016	 Cotton Bag	10	SPM1012	 6 - Inner Mask	10
SPM1007	 1 - Head Harness	4	SPM1013	 7 - Exhaust Valve Cover	20
SPM1008	 2 - Respirator Body	5	SPM1014	 8 - Inhalation Valve Body + Diaphragm x 2 pcs (to use with P3 filters)	30
SPM1009	 3 - Head Harness Buckle Pin x 4 pcs	50	SPM1015	 9 - Filter Cover x 2 pcs (to use with P3 filters)	30
SPM1010	 4 - Head Harness Buckle Kit x 4 pcs	50	SPM1017	 Protective Caps for Gases & Dust Filters x 2 pcs	20
SPM1011	 5 - Locking Ring	50			

New low profile combined gas and particulate filter cartridge

- Innovative cartridge design based on GVS's know-how in filter technology that optimizes carbon usage, reduces filter size and maximizes performance.
 - The design of GVS's third generation carbon and dust filter is based on two patented technologies:
 1. "Encapsulation" of the HESPA filter media enables a curved, low profile design and optimizes the resistance of pleated dust filter element.
 2. Use of **graduated carbon** extends the gas molecule path through more adsorbent filter material and therefore maximizes the gas performance compared to conventional filters.
- The result is a high performance filter that is 30% smaller in size and weight of the average filter.**



Patent Pending

1. Particulate pleated filter (total length 645 mm)
2. Activated carbon treated for gas adsorption
3. Designed to help airflow diffusion and full usage of the activated carbon
4. Inhalation valve

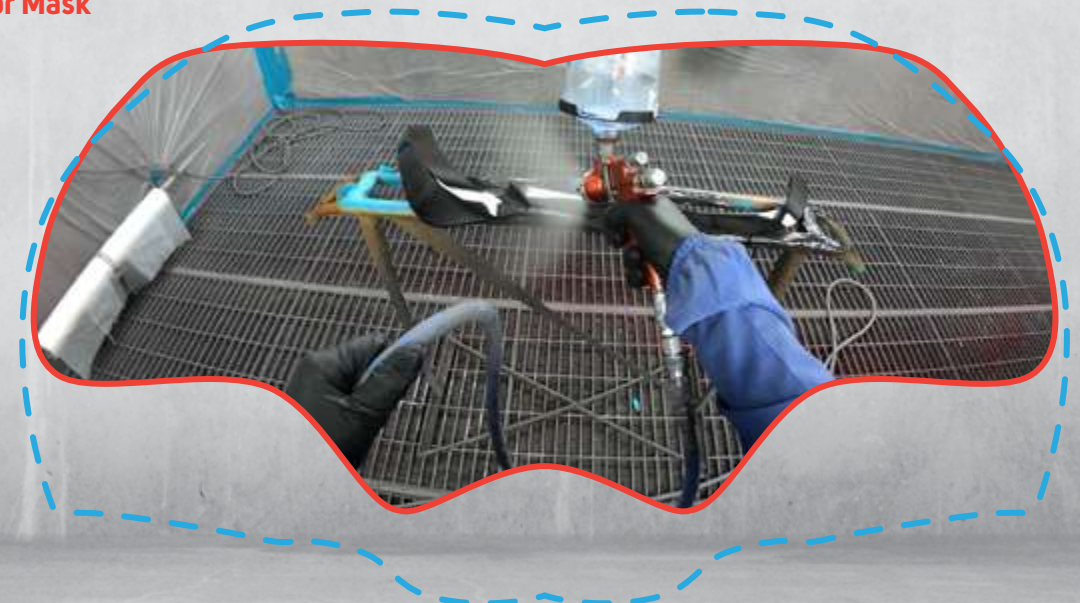
Outstanding field of vision

Elipse® Full Face Mask provides 15% more field of vision compared to competitor masks.
The pictures below have been created to demonstrate that Elipse® can help reducing risk of workplace accidents.

Elipse® Full Face Mask



Competitor Mask



Elipse® Respirators

Comfortable, light, ultra compact



Compact, lightweight and flexible design which adapts and fits perfectly to the face and offers a full range of vision without interfering with other eye or ear protection which users are required to wear.

Large central non-return valve means lower breathing resistance for the user and keeps moisture build-up inside the mask to a minimum. Lightweight, non-slip strap that is easily adjusted in 4 positions for improved comfort and to allow safe use even in high humidity or wet conditions.

CE 2797 UK 0086

FACEMASK
EN 140:1998
FILTERS
EN 143:2021 &
EN 14387:2004+A1:2008



NEW - XL SIZE AVAILABLE
For larger users and still compact the same!



Ultralight,
only 130 grams

Compact: fits under
welding visors

Comfortable: masks body
and filters in soft, hypo-
allergenic, odourless, medical
grade, silicon and latex free TPE

NOW available in 3 sizes

High Efficiency
pleated filters for low
breathing resistance

Elipse® Respirators

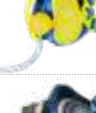
Comfortable, light, ultra compact



Elipse® Respirators and Filters

Part #		Description	Certifications	Box Qty
SPR299 (S/M) SPR501 (M/L) SPR2343 (XL)		Elipse Half Mask with P3 Filters Package also includes: ■ Replaceable filters fitted.	EN140: 1998 EN143: 2021	10
SPR316		P3 Replacement Filters Pair.	EN143: 2021	10
SPR337 (S/M) SPR502 (M/L) SPR2344 (XL)		Elipse Half Mask with P3 Nuisance Odour Filters Package also includes: ■ Replaceable filters fitted.	EN140: 1998 EN143: 2021	10
SPR336		P3 Nuisance Odour Replacement Filters Pair.	EN143: 2021	10
SPR338 (S/M) SPR503 (M/L) SPR231G (XL)		Elipse Half Mask with A1P3 Filters Package also includes: ■ Replaceable cartridges fitted.	EN140: 1998 EN 14387:2004+A1:2008	10
SPR341		A1P3 Replacement Filters Pair.	EN 14387:2004+A1:2008	6
SPR580 (S/M) SPR581 (M/L) SPR231J (XL)		Elipse Half Mask with ABE1P3 Filters Package also includes: ■ Replaceable cartridges fitted.	EN140: 1998 EN 14387:2004+A1:2008	10
SPR582		ABE1P3 Replacement Filters Pair.	EN143: 2021 EN 14387:2004+A1:2008	6
SPR213L (S/M) SPR223L (M/L) SPR233L (XL)		NEW Elipse Half Mask with A2P3 Filters Package also includes: ■ Replaceable cartridges fitted. ■ Head Cradle.	EN140: 1998 EN 14387:2004+A1:2008	10
FIL253L		NEW A2P3 Replacement Filters With protective caps. Pair.	EN 14387:2004+A1:2008	5
SPR213K (S/M) SPR223K (M/L) SPR233K (XL)		NEW Elipse Half Mask with ABEK1P3 Filters Package also includes: ■ Replaceable cartridges fitted. ■ Head Cradle.	EN140: 1998 EN 14387:2004+A1:2008	10
FIL253K		NEW ABEK1P3 Replacement Filters With protective caps. Pair.	EN 14387:2004+A1:2008	5

Elipse® Respirators Accessories

Part #		Description	Box Qty
SPM001		Elipse Dust Mask Carry Case With Belt holder	10
SPM008		GVS Low Profile Mask Carry Case	10
SPM009		GVS High Performance Half Mask Carry Case	10
SPM578		Head Cradle Accessory	20
SPM420		Prefilter Kits 2 holder and 10 pads For filter SPR341 and SPR582	10
SPM421		20 Pads Kit For filter SPR341 and SPR582	20
SPM414		Portacount Face Fit Kit Adaptor	10
SPM647		Portacount Face Fit Kit Adaptor For Elipse P3 Respirators.	10
SPM646		Portacount Gas Mask Face Fit Kit Adaptor For Elipse Gas Respirators.	10
FRS2400		NEW Flame Resistant Shield In accordance with ISO 16073-9:2020 – Wildland firefighting ppe. For Elipse half mask, dedicated to radiant heat and fire exposure in accordance to ISO 17493.	10
FRS2144		NEW Elipse FR Shield Kit with Elipse Half Mask P3 Nuisance odour S/M (SPR337) and FR Shield (FRS2400).	10
FRS2244		NEW Elipse FR Shield Kit with Elipse Half Mask P3 Nuisance odour M/L (SPR502) and FR Shield (FRS2400).	10

Elipse Integra® Respirators

The combined safety



Elipse Integra® is tested and approved as one combined respiratory protection to EN 140. The concept being to reduce fog created by non compatibility between safety Eyewear and respirator.

The lens is designed in Polycarbonate and can withstand 120 m per second impacts. The coating applied meets (N) Anti Fog and exceeds the standard (K) anti-scratch coating seen on the market for a longer durability. Each respirator is supplied pre-fitted with two particulate or combined gas & particulate cartridge filters. Elipse Integra is compatible with the current Elipse® filter range.

CE 2797 UK 0086
FACEMASK
EN 140:1998 Class 1 &
EN 166:2002 2C-1,2 GVS 1 BT 9 KN
FILTERS
EN 143:2021 &
EN 14387:2004+A1:2008

Peel Off Visors

Elipse SPM520 is useful to extend the product life, offering enhanced protection to the lens of Elipse Integra masks against scratch and paint splashes.



Elipse Integra® Respirators

The combined safety



Elipse Integra® Respirators and Filters				
Part #		Description	Certifications	Quantity
SPR407 (S/M) SPR406 (M/L)		Elipse Integra Mask with P3 Filters <i>Available in S/M and M/L.</i> <i>Package also includes:</i> ■ Replaceable filters fitted.	EN140: 1998 EN143: 2021 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
SPR316		P3 Replacement Filters <i>Pair.</i>	EN143: 2021	10
SPR404 (S/M) SPR405 (M/L)		Elipse Integra Mask with P3 Nuisance Odour Filters <i>Available in S/M and M/L.</i> <i>Package also includes:</i> ■ Replaceable filters fitted.	EN140: 1998 EN143: 2021 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
SPR336		P3 Nuisance Odour Replacement Filters <i>Pair.</i>	EN143: 2021	10
SPR444 (S/M) SPR401 (M/L)		Elipse Integra Mask with A1P3 Filters <i>Available in S/M and M/L - Package also includes:</i> ■ Replaceable cartridges fitted.	EN140: 1998 EN 14387:2004+A1:2008 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
SPR341		A1P3 Replacement Filters <i>Pair.</i>	EN 14387:2004+A1:2008	6
SPR583 (S/M) SPR584 (M/L)		Elipse Integra Mask with ABE1P3 Filters <i>Available in S/M and M/L - Package also includes:</i> ■ Replaceable cartridges fitted.	EN140: 1998 EN 14387:2004+A1:2008 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
SPR582		ABE1P3 Replacement Filters <i>Pair.</i>	EN 14387:2004+A1:2008	6
IHM213L (S/M) IHM223L (M/L)		Elipse Integra Mask with A2P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted. ■ Head Cradle.	EN140: 1998 EN 14387:2004+A1:2008 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
FIL253L		A2P3 Replacement Filters <i>With protective caps.</i> <i>Pair.</i>	EN 14387:2004+A1:2008	5
IHM213K (S/M) IHM223K (M/L)		Elipse Integra Mask with ABEK1P3 Filters <i>Package also includes:</i> ■ Replaceable cartridges fitted. ■ Head Cradle.	EN140: 1998 EN 14387:2004+A1:2008 EN 166:2002 2C-1,2 GVS 1 BT 9 KN	5
FIL253K		ABEK1P3 Replacement Filters <i>With protective caps.</i> <i>Pair.</i>	EN 14387:2004+A1:2008	5

Elipse Integra® Respirators Accessories			
Part #		Description	Quantity
SPM520		Elipse Integra Pack of 10 peel off visor	50
SPM007		Integra Case	12
SPM648		Portacount Integra Mask Face Fit Kit Adaptor	10
SPM646		Portacount Gas Mask Face Fit Kit Adaptor	10
SPM639		Elipse Integra RX Insert prescription <i>lens carrier.</i>	10

Elipse® and Elipse Integra® Parts							
Part #		Description	Quantity				
SPM557 (S/M) SPM558 (M/L)		Respirator Particulate Strap Support Assembly	15	SPM563		Turn-buckles (pk 2)	70
SPM559		Elipse Integra Particulate Strap Support Assembly	15	SPM566		Valve Cover	50
SPM565		Slim Stubber Head Band Pad	70	SPM568		Valve Diaphragms (pk 3) <i>For Respirators and Gas filters.</i>	60
SPM570 (S/M) SPR571 (M/L)		Elastics for Respirators <i>Pair.</i>	20	SPM562		Plastic cover kit <i>for Low Profile Elipse Gas Mask/Filters</i>	12
SPM560		Headband Connectors <i>- for Elipse P100.</i>	40	SPM578		Head Cradle Accessory	20

PX5[®] PAPR

Respiratory Protection Reimagined



PX5® PAPR

Respiratory Protection Reimagined



The PX5® PAPR changes the way people experience clean filtered air across multiple industries – from medical and chemical settings, through to the profoundly harsh environments of foundries.

The PX5 is the result of years of product refinement, designed with new functional capabilities that increase your ability to perform, while enhancing your experience of comfort. The PX5 redefines what it means to be a powered air purifying respirator.

Weighing just 1.16kg with the HEPA filter fitted, and between 1.65kg and 1.7kg with a gas filter fitted, the PX5 allows you to get more out of your day by reducing the effects of fatigue. Through strategically distributing its weight with its vertical mounting position and support from our flexi-belt system, the PX5 contours to your body for maximised comfort and stability.

With sleek considered surfaces, quick release mount lock system and certified for IP65 in use, the PX5 enables you to efficiently disinfect the unit, reducing downtime and ensuring the system is ready to protect you again.

The PX5 offers three fan speed settings so you can adjust the airflow to suit your personal preferences and the type of environment/application you're working in, these include 170, 210 and 230lpm.

The PX5 is truly the hallmark of powered air purifying respirator capabilities and their practical application.

CE 2797 UK 0086

EN12941:1998 +A2:2008
TH3/2 P R SL
RESPIRATORY PROTECTION

Only in conjunction with approved respirator.
See instruction manual for protection levels.



US and Global patents pending.

User Interface

Intuitive LED user interface indicates airflow, fan speed and battery level.

Weighing just 1.16kg with the HEPA filter fitted, and between 1.65kg and 1.7kg with gas filter fitted, the sleek, lightweight, compact design maximises your experience of comfort.

The PX5 unit attaches to our flexi-belt system (fitted with the decon easy clean belt) via our intuitive vertical mount lock system. The unit easily removes for quick and simple decontamination process. Backpack option is available for applications that require a greater range of movement and work across varied angles.



Visual, audible and vibrating alarms alert you when the battery level is low, or when airflow falls below the minimum requirements, due to the filter needing replacing or when airflow is obstructed.

Ingress Protection - With a completely sealed housing, the PX5 has been certified to IP65 rating in use.

The filter door cannot mount to the unit unless a filter is fixed in place.

The HEPA filter removes up to 99.97% of particulates down to 0.12 microns. The gas filters protect against organic vapor exposure. Replace the pre-filter daily to extend the life of the main filter.



HEPA (P3) Filter



A2P, ABE1P & ABEK1P Filters

Sealed inside the unit during operation, the long-life lithium-ion battery is protected from moisture when decontaminating and will not disconnect or bump off while operating.





PX5 PAPR Approved Headtops



Z-Link®
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Z4®
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T-Link®
Page 56



T200®
Page 64

PX5 PAPR Assemblies

Part #		03-801-EUUK	03-801-FR-EUUK	03-802-EUUK	03-802-EUUK-LL	03-802-FR-EUUK	03-802-FR-EUUK-LL	03-803-EUUK	03-803-FR-EUUK	03-804-EUUK	03-804-FR-EUUK	03-807-FR-EUUK	03-808-EUUK	03-808-FR-EUUK
03-810 Fan Housing		■	■	■	■	■	■	■	■	■	■	■	■	■
03-819 Flow Meter		■	■	■	■	■	■	■	■	■	■	■	■	■
03-821-DC Belt Easy Clean		■		■										
03-821-FR Belt FR			■		■	■								
03-822-DC Backpack Easy Clean							■		■			■		
03-822-FR Backpack FR			■					■		■	■			■
03-823 Dust Filter Door		■	■					■	■					
03-824 Gas Filter Door				■	■	■	■			■	■	■	■	■
03-855 03-851-EUUK Battery & Charger		■	■	■		■		■	■	■	■			
03-856 03-851-EUUK Long Life Battery & Charger					■	■						■	■	■
03-892-P HEPA filter		■	■					■	■					
03-891 Spark Arrestor			■		■	■		■			■	■		■
03-890 Pre-filters (pk 10)		■	■	■	■	■	■	■	■	■	■	■	■	■



Part #	Description	Certifications
PAPRTROLLEY540	GVS PAPR Trolley case To carry PX5 PAPR and headtops, very resistant and durable.	IP65

PX5 PAPR Filters

Part #	Description	Certifications
03-890	 Pre-filters (pk 10)	
03-891	 PAPR Spark Arrestor	
03-892-P	 HEPA Filter	EN12941
03-893-A2	 A2P3 Filter	EN12941
03-896-ABEKHG	 A2B2EKHgP3 Filter	EN12941
03-895-ABEK	 ABEK-P Filter	EN12941

PX5 PAPR Accessories

Part #	Description	Certifications
03-822-DC	 Backpack Assembly - Decon/easy clean.	
03-822-FR	 Backpack Assembly - FR.	
03-821-DC	 Complete 2 Inch DC Belt and Buckle - with mounting system	
03-821-FR	 Complete 2 Inch FR Belt and Buckle - with mounting system	
03-841	 Tychem® 4000 PAPR Multi-Gas Cover	
03-842	 Zytec® FR PAPR Multi-Gas Cover	
04-852	 Tychem® Breathing Tube Cover - breathing tube not included.	
04-854	 FR Breathing Tube Cover - breathing tube not included.	
04-855	 Aluminized Breathing Tube Cover - breathing tube not included.	
04-856	 Disposable/Decon Breathing Tube Sleeve (pk 10) - breathing tube not included.	
04-872	 Short Tychem® Breathing Tube Cover - for backpack assembly, breathing tube not included.	
04-874	 Short FR Breathing Tube Cover - for backpack assembly, breathing tube not included.	
04-875	 Short Aluminized Breathing Tube Cover - for backpack assembly, breathing tube not included.	

PX5 PAPR Parts

Part # / Description	Part # / Description
 04-831 PAPR Breathing Tube	 03-817 Battery Door Seal
 04-841 Short PAPR Breathing Tube - for backpack assembly.	 03-818 Door Hinge
 04-834 PAPR Coupler Seal (pk 5)	 03-851-EUUK Battery Charger - EU/UK.
 03-810 Fan Housing	 03-855 Battery
 03-824 PX5 Complete Gas Cartridge door with cover	 03-856 High Capacity Battery
 03-823 HX5/PX5 Complete HEPA Filter door with cover	 09-021-EU RPB® Power Cable - EU plug.
 03-819 Flow Meter	 09-021-UK RPB® Power Cable - UK plug.
 03-812 Door Cover	 03-811 Belt Support Mount
 03-813 HEPA (P3) Filter Door	 07-765-DC RPB® 2 Inch Belt Assembly - Easy clean.
 03-814 Gas Filter Door	 07-765-FR RPB® 2 Inch Belt Assembly - FR.
 03-815 Battery Door Assembly - includes 03-818.	 18-600 GVS-RPB® PAPR Carry Bag
	

Z-Link® Respirator

Multi-purpose Respiratory Protection



Z-Link® Respirator

Multi-purpose Respiratory Protection



The Z-Link® is the most versatile multi-purpose respirator on the market. Designed to be resilient in harsh industrial applications, while also practical to meet the demands of healthcare and life sciences settings. The Z-Link has been designed with your comfort and functionality in mind, ensuring no matter where you're working, you'll be protected for your life's best moments.

Visibility has been at the forefront of the Z-Link's design, boasting a large visor that enables you to see with exceptional downward and peripheral vision. This system also combines with a visor that hinges open so you can easily communicate with your team, as and when necessary.

Fitted with a padded headliner and head suspension system, the Z-Link's weight is evenly distributed, relieving you of aches and strains on your neck to enhance your experience of comfort. Being fully adjustable ensures the respirator fits securely to all head sizes, maximising stability and always moving with your head. Our innovative design ensures you have a greater range of movement, so you can focus on your job at hand. The Z-Link is everything you need in a respirator.

The Z-Link is certified to the standards below:

CE 2797 UK 0086

EN14594:2005 3B
EN12941:1998
+A2:2008 TH3/2/1 P R SL
RESPIRATORY PROTECTION
See instruction manual for protection levels.

EN352-3:2002
HEARING PROTECTION
Only in conjunction with 18-533 earmuffs.

EN397:2012+A1:2012
HARD HAT PROTECTION
Conforms to impact and optional clauses.

EN166:2001 CLASS 1 BT 9 3
EYE & FACE PROTECTION

Superior Comfort

The fully adjustable Comfort-Link™ fit system allows for total control of your sizing through supportive padding and the adjustable 360° head band and ratchet system.



Visor shown open for marketing purposes only.
Do not open your visor in the work environment.

Z-Link+® Respirator

Diverse Functionality



The Z-Link+® has been designed to give you all the freedom and comfort that you receive with the Z-Link but extends the respirator's capabilities, giving you eye protection so you can weld without the need for additional systems.

The Z-Link+ weld visor clips on directly to your main visor so you can seamlessly weld with optically clear vision, then lift up the visor to check welds and instantly begin grinding again. With the large GVS ADF lens with a 1/1/1/2 optical quality rating, this guarantees uniform shading and distortion free vision, while allowing you to work safely and more comfortably for longer across different angles.

The Z-Link+ is certified to the standards below:

CE 2797 UK 0086

EN14594:2005 3B
EN12941:1998
+A2:2008 TH3/2/1 P R SL
RESPIRATORY PROTECTION
See instruction manual for protection levels.

EN352-3:2002
HEARING PROTECTION
Only in conjunction with 18-533 earmuffs.

EN397:2012+A1:2012
HARD HAT PROTECTION
WITH MOLTEN METAL
Conforms to impact and optional clauses.

EN166:2001 CLASS 1 BT 9 3
EYE & FACE PROTECTION

EN379:2003
WELDING EYE PROTECTION

Removable Welding Visor

The Z-Link+ weld visor clips directly onto your main visor, enabling you to lift up your visor to check welds and to instantly begin grinding. For extended periods of grinding the visor is easily removed at the hinge points.



The weld visor can be easily removed for extended periods where just grinding is required.

The Z-Link+ weld visor weighs only 390g (13.8oz) including ADF.

Large welding auto darkening filter with a 1/1/1/2 rating. Variable auto darkening lens (shades 3, 5, or 9-13). Replaceable impact and ADF lenses for ease of maintenance.

Z-Link+ weld visor attaches directly onto the main grinding visor, enabling you to seamlessly switch from welding to grinding while maintaining respiratory protection.

Zytec material conform to ISO 9185:2007 for molten Iron and Aluminium and has electrical rating of 11cal/cm² conform to ASTM F1957.

Z-Link® Radiant Heat Respirator

Heat Defence



The Radiant Heat kit transforms your Z-Link® respirator into a complete protective system for high heat environments. Utilising the Z-Link headtop, experience unrivaled comfort as heat is deflected away from you and air continuously circulates throughout the headtop, so you can work safer for longer.

The Radiant Heat kit features a large, gold coated visor that reflects heat off you, keeping your body temperature down, while allowing you to see all of your environment with an uncompromised field of view. With flame resistant and reflective materials this protects you from sparks and splashes while providing additional relief from the heat.

Enhance your experience of safety and productivity in high heat environments by using protection that revolutionises the way you work, with the Z-Link Radiant Heat.

The Z-Link Radiant Heat is certified to the standards below:

CE 2797 UK 0086

EN14594:2005 3B
EN12941:1998
+A2:2008 TH3/2/1 P R SL
RESPIRATORY PROTECTION
See instruction manual for protection levels.

EN352-3:2002
HEARING PROTECTION
Only in conjunction with 18-533 earmuffs.

EN397:2012+A1:2012
HARD HAT PROTECTION
Conforms to impact and optional clauses.

EN166:2001 CLASS 1 BT 9 3
EYE & FACE PROTECTION

Heat Reflection

The gold coated visor reflects radiant heat away from you, minimising heat transfer while ensuring your eyes are protected.



Gold coated visor reflects radiant heat, minimising heat transfer for increased comfort while ensuring eye protection. Visor options include anti-scratch gold coated (pictured), anti-scratch IR5 gold coated, and IR5.

Large visor lift tab enables users to easily raise and lower the visor while wearing gloves.

Air flow is dispersed throughout your breathe zone, as well as over the head, neck, and body to aid in cooling.

Integrated hard hat protection.

The Aluminised fabric is flame resistant and protects the skin from sparks, splashes and radiant heat. Manufactured from Newtex Z-Flex O-310 Aluminised FR O-PAN/Aramid fabric.

Clip-on visor requires no tools for easy detachment and replacement.

Secured cape ensures the hood moves with you for a greater range of movement.

Aluminised breathing tube cover available to increase the life of the breathing tube.



Z-Link® Respirator - Packages

Multi-purpose Respiratory Protection



Z-Link Headtops for Powered Air (PX5® PAPR)

Part #	Description	Certifications
16-010-31-CE	 Z-Link Respirator - Zytex® FR Chin Seal Package also includes: ■ Safety lens ■ PX5 breathing tube.	EN12941 TH2, EN166 1BT 9 3, EN397 MM
16-010-12-CE	 Z-Link Respirator - Tychem® 2000 Face Seal Package also includes: ■ Safety lens ■ PX5 breathing tube.	EN12941 TH2, EN166 1BT 9 3, EN397 MM
16-010-11-CE	 Z-Link Respirator - FR Face Seal Package also includes: ■ Safety lens ■ PX5 breathing tube.	EN12941 TH2, EN166 1BT 9 3, EN397 MM
16-010-21-CE	 Z-Link Respirator - FR Shoulder Cape Package also includes: ■ Safety lens ■ PX5 breathing tube.	EN12941 TH3, EN166 1BT 9 3, EN397 MM
16-010-24-CE	 Z-Link Radiant Heat Respirator Package also includes: ■ Safety lens ■ Aluminized shoulder cape, top, rear and breathing tube cover ■ PX5 breathing tube. - gold lens sold separately - page 24.	EN12941 TH3, EN166 1BT 9 3, EN397 MM

Z-Link Headtops for Supplied (Compressed) Air

Part #	Description	Certifications
16-020-12	 Z-Link Respirator - Tychem® 2000 Face Seal Package also includes: ■ Safety lens ■ Low flow indicator ■ SAR breathing tube. - flow device sold separately - page 78.	EN14594 3B, EN166 1BT 9 3, EN397 MM
16-020-11	 Z-Link SAR Respirator - FR Face Seal Package also includes: ■ Safety lens ■ Low flow indicator ■ SAR breathing tube. - flow device sold separately - page 78.	EN14594 3B, EN166 1BT 9 3, EN397 MM
16-020-21	 Z-Link Respirator - FR Shoulder Cape Package also includes: ■ Safety lens ■ Low flow indicator ■ SAR breathing tube. - flow device sold separately - page 78.	EN14594 3B, EN166 1BT 9 3, EN397 MM
16-020-24	 Z-Link Radiant Heat Respirator Package also includes: ■ Safety lens ■ Aluminized shoulder cape, top, rear and breathing tube cover ■ Low flow indicator ■ PX5 breathing tube. - gold lens sold separately - page 24.	EN14594 3B, EN166 1BT 9 3, EN397 MM

Z-Link® Respirator - Packages

Multi-purpose Respiratory Protection



Z-Link Headtops for Powered Air (PX5® PAPR)

Part #		Description	Certifications
16-000-11-CE		Z-Link Respirator - Zytect® FR Face Seal Package also includes: ■ Safety lens.	EN12941 TH2, EN166 1BT 9 3, EN397 MM
16-000-12-CE		Z-Link Respirator - Tychem® 2000 Face Seal Package also includes: ■ Safety lens.	EN12941 TH2, EN166 1BT 9 3, EN397 MM
16-000-21-CE		Z-Link Respirator - FR Shoulder Cape Package also includes: ■ Safety lens.	EN12941 TH3, EN166 1BT 9 3, EN397 MM
16-000-23-CE		Z-Link Respirator - Tychem® 4000 Shoulder Cape Package also includes: ■ Safety lens.	EN12941 TH3, EN166 1BT 9 3, EN397 MM
16-000-24-CE		Z-Link Radiant Heat Respirator Package also includes: ■ Safety lens ■ Aluminized shoulder cape, top and rear - gold lens sold separately - page 24.	EN12941 TH3, EN166 1BT 9 3, EN397 MM
16-000-31-CE		Z-Link Respirator - Zytect® FR Chin Seal Package also includes: ■ Safety lens.	EN12941 TH2, EN166 1BT 9 3, EN397 MM

Z-Link Headtops with Powered Air (PX5® PAPR)

Part #		Description	Certifications
16-0109		Z-Link Respirator - Zytect® FR Chin Seal with PX5® PAPR Package also includes: ■ Safety lens ■ PX5® PAPR FR assembly	EN12941 TH2, EN166 1BT 9 3, EN397 MM

Z-Link Accessories

Part #		Description	Certifications
04-852		Tychem® Breathing Tube Cover - breathing tube not included.	
04-854		FR Breathing Tube Cover - breathing tube not included.	
04-855		Aluminized Breathing Tube Cover - breathing tube not included.	
04-856		Disposable/Decon Breathing Tube Sleeve (pk 10) - breathing tube not included.	
04-872		Short Tychem® Breathing Tube Cover - for backpack assembly, breathing tube not included.	

Z-Link Accessories

Part #		Description	Certifications
04-874		Short FR Breathing Tube Cover - for backpack assembly, breathing tube not included.	
04-875		Short Aluminized Breathing Tube Cover - for backpack assembly, breathing tube not included.	
16-512		Heat Resistant Velcro Fastener Kit	
16-520-S		Comfort-Fit Side Padding System	
16-670		Z-Link+® Weld Visor - includes 1/1/1/2 ADF Lens.	EN379 EN175
16-724		Aluminized Shoulder Cape	
16-744		Aluminized Top Cover	
16-754		Aluminized Rear Cover	
16-901		Vision-Link® Helmet Light Kit* - includes 09-510-RAW, 16-918 and 15-839.	
16-922		Comms-Link® In-Helmet Communication System* (Non IS) - includes 16-529 and 09-913. Radio adaptor sold separately - contact GVS for more information.	
18-534		SENA Helmet Mounted Communication Earmuffs	EN352-3
18-534-A0204		Hygiene Kit for Tufftalk M	
18-534-A0205		Microphone for Tufftalk M	
18-533		Quiet-Link® Helmet Mounted Earmuffs - includes 18-535 suspension bracket.	EN352-3
18-535		Quiet-Link® Suspension Brackets	

Z-Link Consumables

Part #		Description	Certifications
04-831		PAPR Breathing Tube	
04-833		SAR Breathing Tube	
04-841		Short PAPR Breathing Tube - for backpack assembly.	
16-526		Head Band Brow Pad	

*Vision-Link™ and Comms-Link™ parts can be found on page 25.

Z-Link® Respirator - Parts

Multi-purpose Respiratory Protection



Z-Link Consumables		
Part #	Description	Certifications
16-675-GT	 Radiant Heat Gold Visor - Clear <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-GTIR5	 Radiant Heat Gold Visor - IR5 <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-GT3	 Gold Visor, Shade 3 <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-HGT	 Half Gold Visor <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-ARC	 Electrical Arc visor up to 8cal/cm² <i>- includes Cover Clip and Retainer Assembly.</i>	ASTM F2621
16-675-IR5	 IR5 Visor <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-ST	 Smoke Tinted Visor <i>- includes Cover Clip and Retainer Assembly.</i>	
16-675-CL	 Clear Visor <i>- includes Cover Clip and Retainer Assembly.</i>	
16-810	 Safety Lens - Clear - Single <i>- anti-fog/anti scratch.</i>	EN166
16-810-AF	 Safety Lens - Clear - Single <i>- anti-fog/anti scratch.</i>	EN166 K
16-810-IR5	 Safety Lens - IR Tint, Shade 5 <i>- anti scratch.</i>	EN166
16-810-MT	 Safety Lens - Mirror Tint <i>- anti-fog/anti scratch.</i>	EN166
16-810-ST	 Safety Lens - Smoke Tint <i>- anti-fog/anti scratch.</i>	EN166
16-810-YT	 Safety Lens - Yellow Tint <i>- anti-fog/anti scratch.</i>	EN166
16-621	 Z-Link Visor Lock	
17-817	 Clear Vision Cassette Lens (pk 10) <i>- 7 layers.</i>	
16-811	 Tear-Off Lens (pk 50)	
16-817	 Cassette Lens for Z-Link (pk 10) <i>7 layers</i>	
16-872-39	 Welding ADF Impact lens CR39	
16-872	 Welding ADF Impact Lens (pk 10)	
16-872-AL	 Welding ADF Impact Lens- Aluminium Coated <i>- radiant heat.</i>	
16-873	 Welding ADF Rear Lens (pk 10)	

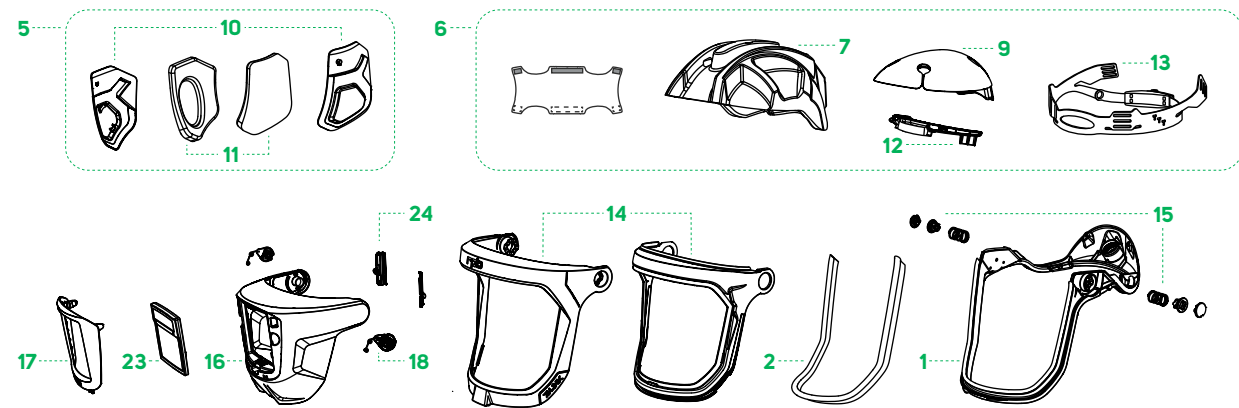
Z-Link Consumables		
Part #	Description	Certifications
16-874	 Protective Lens for Aluminium Coated Impact Lens (10pk)	
16-877	 110x90 Fixed Shade Welding Lens Adaptor Frame	
16-877-(5, 8, 9, 10, 11 or 12)	 Fixed Shade Welding Lens <i>- available in 5, 8, 9, 10, 11 and 12.</i>	
16-878	 Welding Fixed Shade Rear Lens (pk 10)	
Vision-Link™ Parts Available for Z-Link®, T-Link® and Z4®		
Part #	Description	Certifications
09-050	 Two Bay Battery Charger	
09-055	 Lithium Ion Battery	
15-839	 Jaw Mount - for Z-Link, Z4 - screw not included.	
16-910	 LED Light Body Assembly - battery and charger not included.	
16-913	 Rear Cowling	
16-915	 Cowling Seal	
16-916	 Protective Lens	
16-917	 Latch	
16-918	 Jaw Mount - for T-Link - includes screw.	
16-919	 QR Latch Lever	
16-923	 Hinge Pin	
16-926	 Latch Lever Assembly - includes 16-919.	
Comms-Link™ Parts Available for Z-Link®, T-Link® and Z4®		
Part #	Description	Certifications
09-913	 Push to Talk Button	
09-930	 Motorola Connection Cable - two-pin.	
09-931	 Motorola Connection Cable - multi-pin.	
09-932	 Motorola Connection Cable - multi-pin.	
09-933	 Kenwood Connection Cable - two-pin.	
09-934	 Motorola Connection Cable - multi-pin.	
09-935	 Motorola Connection Cable - single-pin.	
16-529	 Communication Retainer Clip	

Z-Link® Respirator - Parts

Multi-purpose Respiratory Protection



Z-Link Parts



Part # / Description		Part # / Description	
1	16-514 Jaw Assembly - includes screws and 16-515.	13	16-531 Head Harness Assembly - includes 16-530.
2	16-515 Lens Seal - for jaw assembly.	14	16-611 Visor
-	16-516 Quiet-Link™ Earmuff Bracket - pair, includes screws.	15	16-616 Pivot Assembly
-	16-516-1 Quiet-Link™ Earmuff Bracket with Cape Retainer - pair, includes screws.	16	16-671 Z-Link+® Weld Visor - ADF lens not included.
-	16-518 Rear Cape Clip	17	16-672 Welding Lens Retainer
-	16-519 Air Inlet Adapter	18	16-673 Z-Link+® Weld Visor Attachment Clips and Springs
5	16-520-S Comfort-Fit Side Padding System	19	16-711 Zytec® FR Face Seal
6	16-520-T Fit System	19	16-712 Tychem® 2000 Face Seal
7	16-521 Impact Absorber	-	16-721 Zytec® FR Shoulder Cape
8	16-522 Comfort Pad	-	16-723 Tychem® 4000 Shoulder Cape
-	16-523 Air Director	-	16-724 Aluminized Shoulder Cape
9	16-525 Head Harness Bracket and Air Director	-	16-731 Zytec® FR Chin Seal
10	16-527 Comfort-Fit Side Padding Frames	23	16-871-1 RPB® Auto Darkening Filter (ADF) - 1/1/1/2, EN379, EN175.
11	16-528 Comfort-Fit Foam Pads - pair.	24	16-875 Magnifying Lens Holder Assembly
12	16-530 Head Harness Ratchet Assembly	-	16-876 Clip for Weld Lens
		-	16-930 Low Flow Indicator



Z4® Respirator

Powerful Protection



Z4® Respirator

Powerful Protection



With comfort and durability the top priority, GVS has created the most ergonomically balanced welding respirator available. Its lightweight design and multi-adjustment head suspension system ensures a stable fit that moves with you, reducing aches and strains on your neck, allowing you to enjoy life's best moments.

The Z4® boasts an optically clear grinding visor and a flip-up welding visor designed to increase operator productivity. Visibility is further enhanced by clip-in shade 5 side windows offering maximum peripheral vision. These can also be switched out for window blockers which are included in the standard package.

The Z4 includes the large GVS ADF lens with 1/1/1/2 optical quality rating guaranteeing uniform shading and distortion free vision, allowing you to work safely and more comfortably for longer across different angles.

To further increase your comfort and stability, the Z4 can also be fitted with the Comfort-Link™ padding system for an individualised fit.

The Z4 is certified to the standards below:

CE 2797 UK 0086

EN12941:1998
+A2:2008 TH3/2/1 P R SL
RESPIRATORY PROTECTION
See instruction manual for protection levels.

EN352-3:2002
HEARING PROTECTION
Only in conjunction with 18-524 earmuffs.

EN166:2001 CLASS 1 B
EYE & FACE PROTECTION

EN379:2003+A1:2009
and EN175:1997
WELDING EYE PROTECTION

EN812:2012
HEAD PROTECTION
Only in conjunction with 15-850 Bump Cap.

Dual Air Distribution System

Air is delivered through the dual air distribution system, flowing over the grinding visor to eliminate lens fogging and also to the breathe zone. With the adjuster you can control the direction of the incoming air to suit your preferences.



Flip up welding visor during grinding, while maintaining respiratory protection.

Optimum vision with a clear replaceable grinding lens - EN166 approved.

Lightweight headtop weighing just 805g with ADF and cape.

Aerodynamic shell design deflects fumes away.

Large auto darkening welding lens with a 1/1/1/2 rating. Variable lens shade (9-13).

Replaceable impact and ADF lenses for ease of maintenance. Optional magnifying lens available.

Comfortable multi-adjustment head suspension system - ergonomically balanced to reduce fatigue.

The dual air distribution system delivers 75% of air supply to your breathe zone via a multi-directional outlet. The remaining 25% is directed over the grinding visor to prevent fogging.

FR rated head cover and cape.

Z4® Respirator - Packages

Powerful Protection



Z4 Headtop

Part #	Description	Certifications
15-018-11-EUUK	Z4 Respirator Weld/Grind Starter Pack <i>Package also includes:</i> ■ 1/1/1/2 ADF lens ■ FR face seal ■ Quiet-Slim™ earmuffs ■ PX5® Breathing tube ■ PX5® PAPR ■ Rechargeable battery and charging bank ■ FR belt ■ 1 x HEPA (P3) filter ■ 1 x spark arrestor ■ 1 x pre-filters (10pk). <i>- additional filters available as required - page 10.</i>	EN12941 TH2 EN166 1B EN379 EN175 EN352-1 EN812 optional

Z4 Headtop Packages

Part #	Description	Certifications
15-010-11-CE	Z4 Respirator - FR Face Seal <i>Package also includes:</i> ■ 1/1/1/2 ADF lens ■ Quiet-Slim™ earmuffs ■ PX5® breathing tube. <i>- PAPR sold separately - page 9.</i>	EN12941 TH2 EN166 1B EN379 EN175 EN352-1 EN812 optional
15-010-21-CE	Z4 Respirator - FR Shoulder Cape <i>Package also includes:</i> ■ 1/1/1/2 ADF lens ■ Quiet-Slim™ earmuffs ■ PX5® breathing tube. <i>- PAPR sold separately - page 9.</i>	EN12941 TH2 EN166 1B EN379 EN175 EN352-1 EN812 optional
15-000-21-CE	Z4 Respirator - FR Shoulder Cape ■ Quiet-Slim™ earmuffs. <i>- ADF lens and breathing tube not included.</i> <i>PAPR sold separately - page 9.</i>	EN12941 TH2 EN166 1B EN352-1 EN812 optional
15-100-11-CE	Z4 Respirator - FR Face Seal <i>Package also includes:</i> ■ 1/1/1/2 ADF lens ■ Quiet-Slim™ earmuffs. <i>- PAPR sold separately - page 9.</i>	EN12941 TH2 EN166 1B EN379 EN175 EN352-1 EN812 optional
15-100-21-CE	Z4 Respirator - FR Shoulder cape <i>Package also includes:</i> ■ 1/1/1/2 ADF lens ■ Quiet-Slim™ earmuffs. <i>- PAPR sold separately - page 9.</i>	EN12941 TH2 EN166 1B EN379 EN175 EN352-1 EN812 optional

Z4 Accessories

Part #	Description	Certifications
04-854	FR Breathing Tube Cover <i>- breathing tube not included.</i>	
04-874	Short FR Breathing Tube Cover <i>- for backpack assembly, breathing tube not included.</i>	
15-821-5	Side Window Blockers - Shade 5 <i>- pair.</i>	
15-848	Comfort-Fit Side Padding System <i>- includes Velcro™ pieces.</i>	
15-850	Bump Cap Harness Assembly <i>- includes Comfort and Brow Pad and Front Strap.</i>	
15-855	Bump Cap Replacement <i>- includes Comfort Pad.</i>	
16-901	Vision-Link™ Helmet Light Kit* <i>- includes 09-510-RAW, 16-918 and 15-839.</i>	
16-922	Comms-Link™ In-Helmet Communication System* (Non IS) <i>- includes 16-529 and 09-913. Radio adaptor sold separately - contact GVS for more information.</i>	
18-524	Quiet-Slim™ Earmuffs	EN352-1
18-600	GVS-RPB PAPR Carry bag	

Z4 Consumables

Part #	Description	Certifications
04-831	PAPR Breathing Tube	
04-841	Short Breathing Tube <i>- for Backpack Assembly.</i>	
13-072-(1, 1.5, 2 or 2.5)	Ultra Magnifying Lens <i>- available in 1.0, 1.5, 2.0 and 2.5.</i>	
15-878	Safety Lens (pk 10)	EN166
16-526	Head Band Brow Pad	
16-872	Welding ADF/Fixed Shade Impact Lens (pk 10)	
16-873	Welding ADF Rear Lens (pk 10)	
16-874	Protective Lens for ADF Impact Lens – Aluminium Coated (pk 10)	
16-878	Welding Fixed Shade Rear Lens (pk 10)	

Z4® Respirator - ADF Lens

Powerful Protection



OPEN STATE RPB® OCV Colour Definition

The OCV Filter range offers superior colour definition in both the open and activated state, allowing you to clearly see LED displays on machines and equipment, as well as heat definition on the actual weld.



CLOSED STATE RPB® OCV Optical Quality

The OCV filter boasts a 1/1/1/2 optical quality rating. This means a clear view from a wider range of angles, reducing eye fatigue and increasing your productivity.



40% MORE VIEWING WITH THE RPB® OCV ULTRA ADF (110x110)

- Viewing area: 66.6 square centimetres (67.6mm x 98.6mm)
- Light state: Shade 3. Dark state: Selectable shades 9-13
- Fast, reliable switching speed: 0.1ms at 23°C / 73°F
- Optional auto delay function from dark to light (0.15 to 1 seconds)
- Weight (ADF only): 130g
- Temperature range: -5°C to +55°C / -4°F to 122°F
- 3 year warranty
- 2 sensors, plus additional ambient light sensor
- Sensitivity and optional delay adjustment on case
- Highest quality wide view ADF available
- Constant UV/IR protection
- Adapts to standard magnifying lens
- 1/1/1/2 DIN Rating
- Suitable for all types of electro-arc welding, including covered electrodes, MIG/MAG, TIG/WIG, plasma welding and cutting.
NOT FOR LASER OR GAS WELDING.

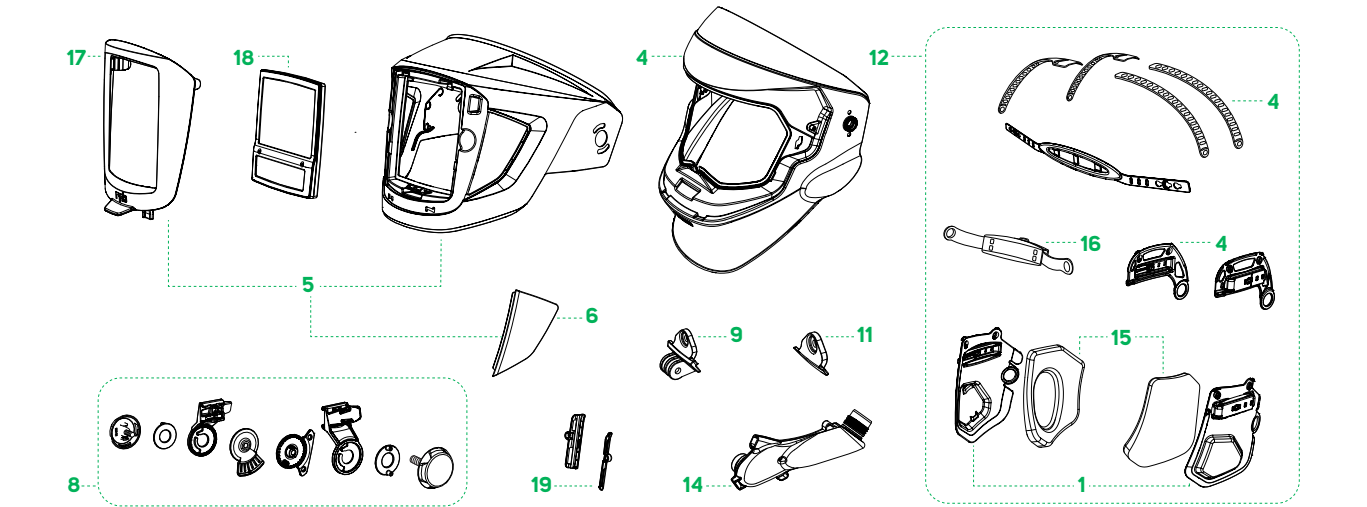


Z4® Respirator - Parts

Powerful Protection



Z4 Parts



Part # / Description		Part # / Description	
1	15-148 Side Pad Mounts - pair, includes Velcro™ pieces.	-	15-832 Safety Lens Bayonet - pair.
-	15-711 FR Face Seal	11	15-839 Vision-Link™ Jaw Mount - screw not included.
-	15-721 FR Shoulder Cape	12	15-840 Head Harness Assembly - includes 16-530 and 15-848.
4	15-811 Face Shield	-	15-842 Harness Mount - pair.
5	15-812 Weld Visor Assembly - includes 16-672 and 15-821.	14	15-851-1 Air Intake Assembly - includes screws.
6	15-821 Side Window Blockers - pair, solid grey.	15	16-528 Foam Side Pads - pair.
-	15-822 Spring Assembly Kit	16	16-530 Head Harness Ratchet Assembly
8	15-830 Head Harness Bracket and Adjustment System	17	16-672 Welding Lens Retainer
9	15-831 Front Cape Clip Cover	18	16-871-1 RPB® Auto Darkening Filter (ADF) - 1/1/1/2, EN379, EN175.
		19	16-875 Magnifying Lens Holder Assembly





T-Link® Respirator

Move Freely



The T-Link® has been designed to move with you, not against you. With your comfort and job our main focus, the T-Link transforms how you work, advancing your safety and increasing productivity.

Your ability to see has been at the forefront of our design process, with the T-Link boasting a large visor that enables you to easily connect with your surroundings. This is further supported by the Tychem® hood that securely attaches to the headtop, ensuring your downward and peripheral vision is never compromised. The soft breathable inner-bib and extra tuck-in collar ensures maximised comfort and helps to direct air down your body for cooling.

Fitted with a padded headliner and head suspension system, the headtop's weight is evenly distributed to enhance your experience of comfort, relieving you of aches and strains on your neck. Being fully adjustable ensures the respirator fits securely to all head sizes, maximising stability and always moving with your head. Our innovative design ensures you have a greater range of movement, so you can focus on the task at hand.

The T-Link is certified to the standards below:

CE 2797 UK 0086

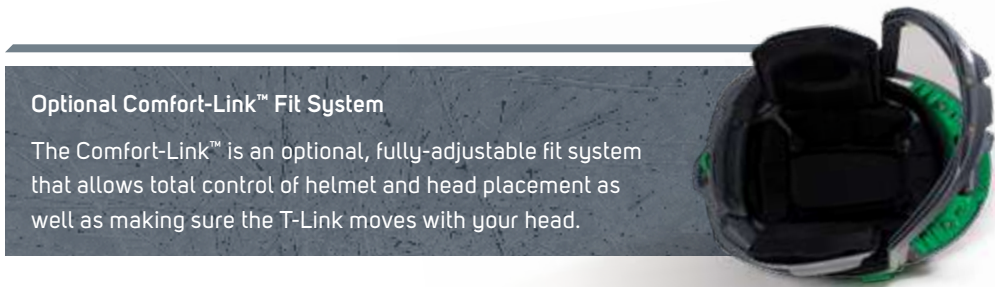
EN14594:2005 3B
EN12941:1998 +A2:2008
TH3 P R SL
RESPIRATORY PROTECTION

EN352-3:2002
HEARING PROTECTION
Only in conjunction with 18-533 earmuffs.

EN397:2012+A1:2012
HARD HAT PROTECTION
Conforms to impact and optional clauses.
Not all configurations conform to this standard.
Please visit gvs.com for more details.

EN812:2012
BUMP CAP PROTECTION
Not all configurations conform to this standard.
Please visit gvs.com for more details.

EN166:2001 CLASS 1F3
EYE & FACE PROTECTION
Not all configurations conform to this standard.
Please visit gvs.com for more details.



Optional Comfort-Link™ Fit System

The Comfort-Link™ is an optional, fully-adjustable fit system that allows total control of helmet and head placement as well as making sure the T-Link moves with your head.





T-Link Headtops for Powered Air (PX5® PAPR)

Part #	Description	Certifications
17-110-12-CE	 T-Link Respirator, Bump Cap - Tychem® 2000 Hood <i>Package also includes:</i> ■ PX5 breathing tube.	EN12941 TH3 EN812 EN166
17-000-12-CE	 T-Link Respirator, Hard Hat - Tychem® 2000 Hood	EN12941 TH3 EN397 EN166
17-100-12-CE	 T-Link Respirator, Bump Cap - Tychem® 2000 Hood	EN12941 TH3 EN812 EN166

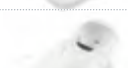
T-Link Headtops for Supplied (Compressed) Air

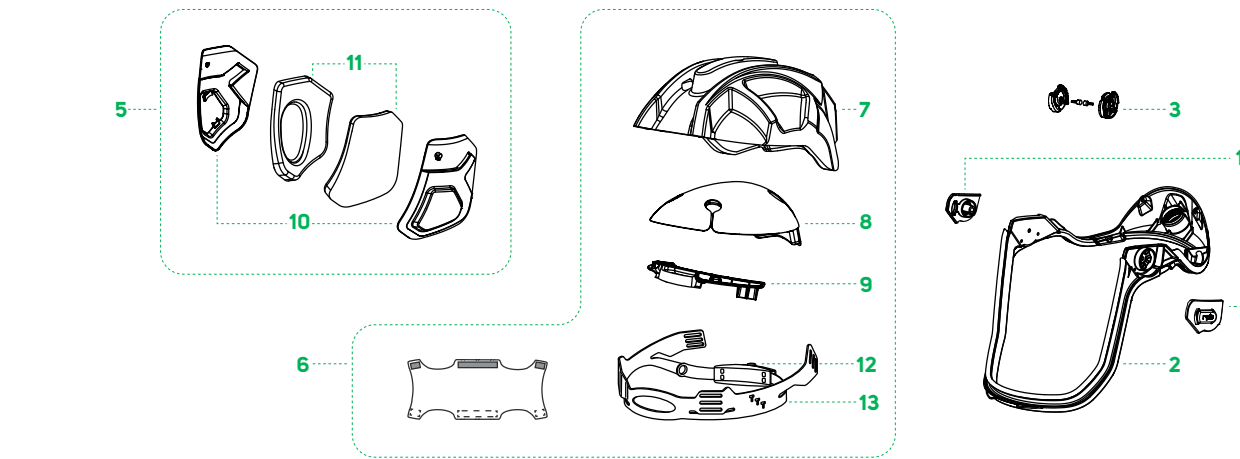
Part #	Description	Certifications
17-120-12	 T-Link SAR Respirator, Bump Cap - Tychem® 2000 Hood <i>Package also includes:</i> ■ Low flow indicator ■ SAR breathing tube. <i>- flow device sold separately - page 49.</i>	EN14594 3B EN812 EN166
17-020-12	 T-Link SAR Respirator, Hard Hat - Tychem® 2000 Hood <i>Package also includes:</i> ■ Low flow indicator ■ SAR breathing tube. <i>- flow device sold separately - page 49.</i>	EN14594 3B EN397 EN166

T-Link® Respirator - Parts

Move Freely



T-Link Accessories		
Part #	Description	Certifications
04-852	 Tychem® Breathing Tube Cover <i>- breathing tube not included.</i>	
04-856	 Disposable/Decon Breathing Tube Sleeve (pk 10) <i>- breathing tube not included.</i>	
04-872	 Short Tychem® Breathing Tube Cover <i>- for backpack assembly, breathing tube not included.</i>	
16-520-S	 Comfort-Fit Side Padding System	
16-901	 Vision-Link™ Helmet Light Kit* <i>- includes 09-510-RAW, 16-918 and 15-839.</i>	
16-922	 Comms-Link™ In-Helmet Communication System* (Non IS) - includes 16-529 and 09-913. Radio adaptor sold separately - contact GVS for more information.	
18-533	 Quiet-Link™ Helmet Mounted Earmuffs <i>- includes 18-535 suspension bracket.</i>	EN352-3
18-535	 Quiet-Link™ Suspension Brackets	
18-600	 RPB® Carry Bag	
T-Link Consumables		
Part #	Description	Certifications
04-831	 PAPR Breathing Tube	
04-833	 SAR Breathing Tube	
04-841	 Short Breathing Tube <i>- for Backpack Assembly.</i>	
16-526	 Head Band Brow Pad	
17-712	 Tychem® 2000 Hood <i>- replacement hood.</i>	
17-713	 Tychem® 4000 Hood with Sealed Seams <i>- replacement hood.</i>	
17-713-SX	 Tychem® 4000 Extra Length Hood with Sealed Seams, Safety Lens and Waist Straps <i>- replacement hood.</i>	EN166 1F 3
17-815	 Peel-off Lens (pk 25)	
17-817	 Clear Vision Cassette Lens (pk 10) <i>- 7 layers.</i>	

T-Link Parts			
			
Part # / Description		Part # / Description	
1	 17-512 Lens Mount Clips - pair.	8	 16-522 Comfort Pad
2	 16-514 Jaw Assembly <i>- includes screws and 16-515.</i>	9	 16-525 Head Harness Bracket and Air Director
3	 16-516 Quiet-Link™ Earmuff Bracket <i>- pair, includes screws.</i>	10	 16-527 Comfort-Fit Side Padding Frames
-	 16-519 Air Inlet Adapter	11	 16-528 Comfort Fit Foam Pads - pair.
5	 16-520-S Comfort-Fit Side Padding System	12	 16-530 Head Harness Ratchet Assembly
6	 16-520-T Fit System	13	 16-531 Head Harness Assembly <i>- includes 16-530.</i>
7	 16-521 Impact Absorber	-	 16-930 Low Flow Indicator
		-	 17-110 Bump Cap Assembly

T200™ Respirator

Protection That Supports You



T200™ Respirator

Protection That Supports You



The T200™ enables you to work in your environment free of respiratory hazards and discomfort through its supportive design. With positive pressure breathing and true freedom of movement, the T200 ensures you can navigate your surroundings without any restrictions so you can focus on what's in front of you.

Made for customisation, the T200's head harness features multiple adjustment points, allowing you to change the fitting to suit the contours and shape of your head. Through the secure fit and streamlined framework, this maximises stability, relieving you of aches and strains on your neck.

With the large clear visor, experience an uncompromised field of view that allows for greater precision and attention. The T200 also features adjustable lens and air ducting positioning to accommodate for different facial features and the use of optical aids such as loupes and prescription lens glasses.

Get more out of your role by using respiratory protection that supports, not restricts you. Experience more with GVS.

The T200 is certified to the standards below:

CE 2797 UK 0086

EN12941:1998 +A2:2008
TH3 P R SL
RESPIRATORY PROTECTION

EN352-1:2002
HEARING PROTECTION
Only in conjunction with 18-524 earmuffs.

EN166:2001 CLASS 1F3
EYE & FACE PROTECTION
Not all configurations conform to this standard.
Please visit gvs.com for more details.



Customisable Layout

Customise the internal layout with four adjustable head harness points and the moveable lens and air duct system to suit your needs.



Moveable lens and airduct positioning to accommodate for different facial features and optical aids. ■

Deconable head suspension system and disposable hood. ■

Large viewing window for exceptional downward and peripheral vision allowing for both verbal and non-verbal communication. ■

Soft inner neck seal for extra comfort. ■

DuPont™ Tychem® 2000 available in face seal, medium length and full length hood options. Full length hood also available in DuPont™ Tychem® 4000. ■

■ Customisable head suspension system includes an adjustable ratchet at the back and over-the-head straps to allow for a secure, individualised fit.

■ Breathing tube easily attaches to respirator and swivels to eliminate tangles. Centralised location ensures even weight distribution.

T200™ Respirator - Packages

Protection That Supports You



T200 Headtops for Powered Air (PX5® PAPR)

Part #	Description	Certifications
17-200-22-CE	 T200 Respirator, Head Harness - Tychem® 2000 Face Seal <i>Package also includes:</i> ■ Head harness assembly ■ PX5 breathing tube.	EN12941 TH3 EN166 1F 3
17-200-32-CE	 T200 Respirator, Head Harness - Tychem® 2000 Hood with Face Seal <i>Package also includes:</i> ■ Head harness assembly ■ PX5 breathing tube.	EN12941 TH3 EN166 1F 3
17-202-22-CE	 T200 Respirator, Head Harness - Tychem® 2000 Face Seal <i>Package also includes:</i> ■ Head harness assembly.	EN12941 TH3 EN166 1F 3
17-202-32-CE	 T200 Respirator, Head Harness - Tychem® 2000 Hood with Face Seal <i>Package also includes:</i> ■ Head harness assembly.	EN12941 TH3 EN166 1F 3
17-210-22-CE	 T200 Respirator, Bump Cap - Tychem® 2000 Face Seal <i>Package also includes:</i> ■ Bump Cap assembly ■ PX5 breathing tube.	EN12941 TH3 EN166 1F 3
17-210-32-CE	 T200 Respirator, Bump Cap - Tychem® 2000 Hood with Face Seal <i>Package also includes:</i> ■ Bump Cap assembly ■ PX5 breathing tube.	EN12941 TH3 EN166 1F 3
17-212-22-CE	 T200 Respirator, Bump Cap - Tychem® 2000 Face Seal <i>Package also includes:</i> ■ Bump cap assembly.	EN12941 TH3 EN166 1F 3
17-212-32-CE	 T200 Respirator, Bump Cap - Tychem® 2000 Hood with Face Seal <i>Package also includes:</i> ■ Bump cap assembly.	EN12941 TH3 EN166 1F 3

T200 Headtops with Powered Air (PX5® PAPR)

Part #	Description	Certifications
17-0106	 T200 Respirator, Bump Cap - Tychem® 2000 Face Seal with PX5® PAPR <i>Package also includes:</i> ■ Head harness assembly ■ Bump Cap ■ PX5 PAPR assembly.	EN12941 TH3 EN166 1F 3

T200™ Respirator - Parts

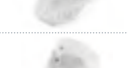
Protection That Supports You



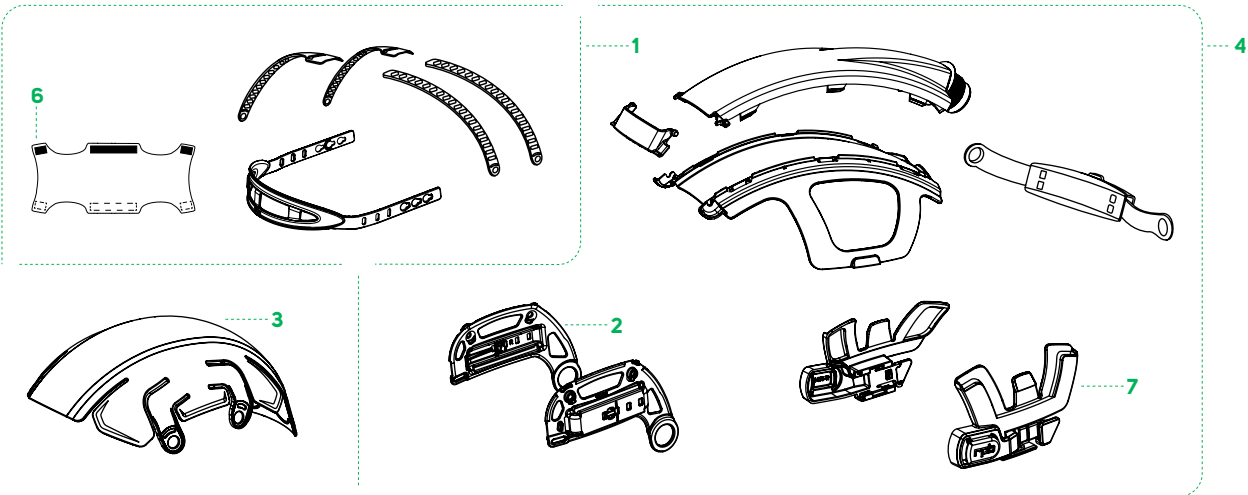
T200 Accessories

Part #		Description	Certifications
04-852		Tychem® Breathing Tube Cover <i>- breathing tube not included.</i>	
04-856		Disposable/Decon Breathing Tube Sleeve (pk 10) <i>- breathing tube not included.</i>	
04-872		Short Tychem® Breathing Tube Cover <i>- for backpack assembly, breathing tube not included.</i>	
18-524		Slim-Line Ear Defenders	EN352-1
18-600		RPB® Carry Bag	

T200 Consumables

Part #		Description	Certifications
04-831		PAPR Breathing Tube	
04-841		Short Breathing Tube <i>- for Backpack Assembly.</i>	
16-526		Head Band Brow Pad	
17-712		Tychem® 2000 Hood with Neck Seal <i>- replacement hood.</i>	
17-713		Tychem® 4000 Hood with Sealed Seams <i>- replacement hood.</i>	
17-722		Tychem® 2000 Face Seal <i>- replacement hood.</i>	EN166 1F 3
17-732		Tychem® 2000 Hood with Face Seal <i>- replacement hood.</i>	EN166 1F 3
17-811		Clear Vision Cassette Lens (pk 10) <i>- 7 layers, for face seal hoods.</i>	
17-815		Tear-off Lens (pk 25) <i>- for full length hoods.</i>	
17-817		Clear Vision Cassette Lens (pk 10) <i>- 7 layers, for full length hoods.</i>	

T200 Parts



Part # / Description	
1	 15-841 Head Harness Assembly
2	 15-842 Harness Mount - <i>pair</i> .
3	 15-850 Bump Cap - <i>includes Comfort and Brow Pad and Front Strap.</i>
-	 15-855 Bump Cap - <i>includes Comfort Pad.</i>

Part # / Description	
4	 15-870 Head Harness Assembly with Air Duct and Lens Mount Clips
5	 16-530 Head Harness Ratchet Assembly
6	 16-526 Head Band Brow Pad
7	 17-513 Lens Mounts - <i>pair</i> .

Nova 3[®] Respirator

Unrivalled Comfort



Nova 3® Respirator

Unrivalled Comfort



The Nova 3® revolutionises the abrasive blasting experience with the world’s most comfortable blasting respirator. With breakthrough technology and comfort, the Nova 3 has been designed around the operator’s needs to advance their safety and productivity.

Visibility has been at the forefront of the Nova 3 design process. With the unique cassette lens system, you can experience an optically clear field of view at all times. The superior operating window optimises peripheral vision and allows for 30% more downward vision than other respirators on the market.

The ratchet padding system provides a customisable fit and molded side pads absorb sound, protecting against hearing loss. Its unique helmet design distributes weight evenly across your head and shoulders, keeping the center of gravity low, eliminating top heaviness, and relieving you from aches and strains on your neck.

All parts are field replaceable to minimise downtime and the padding system is machine washable for hygiene purposes.

The Nova 3 is certified to the standards below:

- CE 2797 UK 0086
- EN14594:2005 4B
- EN12941:1998
- +A2:2008 TH3 P R SL
- RESPIRATORY PROTECTION
- EN397:2012+A1:2012
- HARD HAT PROTECTION
- IMPACT CLAUSES
- EN166:2001 CLASS 1 B
- EYE & FACE PROTECTION



Boost Productivity

Our cassette lens system enables you easily tear-off the outer lens when your view becomes obstructed, significantly reducing your downtime.



Bellow seal creates a complete barrier to dust and particulates.

Widened perspective provides optimal downward and peripheral field of view.

Tear-off lens system to ensure you always have a clear visor when operating. Cassette lens system available to further increase productivity.

Streamlined air deflection system distributes air across your breathe zone and across the lens to prevent fogging.

Tough helmet shell, manufactured from robust engineering grade nylon offers EN397 certified hard hat protection.

Ratchet system and adjustable moulded side pads to help create a secure, customised fit.

Large, glove sized latch that is easy to locate and use.

Removable visor for efficient lens replacement.

Cape is securely attached with eight snap fasteners.

Nova 3® shown with optional L4™ light.

Nova 3® Respirator - Packages

Unrivalled Comfort



Nova 3 Headtops for Supplied (Compressed) Air

Part #	Description	Certifications
NV3-711-50	 Nova 3 Blast Respirator with Constant Flow Valve <i>Package also includes:</i> ■ Constant flow valve ■ Low flow indicator ■ Nylon cape ■ SAR breathing tube.	EN14594 4B EN166 EN397
NV3-715-50	 Nova 3 Blast Respirator with Climate Control <i>Package also includes:</i> ■ C40™ Climate Control Device ■ Low flow indicator ■ Nylon cape ■ SAR breathing tube.	EN14594 4B EN166 EN397

Nova 3 Accessories

Part #	Description	Certifications
03-502-DC	 C40™ Climate Control Device - DC	EN14594
03-502-FR	 C40™ Climate Control Device - CE - FR	EN14594
03-102	 Constant Flow Valve Assembly - CE	EN14594
05-601	 RPB Head Sock (Pack of 10)	
07-701	 RPB Leather Gloves	
07-755-S	 RPB Heavy Duty Blast Suit - Small	
07-755-M	RPB Heavy Duty Blast Suit - Medium	
07-755-L	RPB Heavy Duty Blast Suit - Large	
07-755-XL	RPB Heavy Duty Blast Suit - X Large	
07-755-XXL	RPB Heavy Duty Blast Suit - XX Large	
07-755-XXXL	RPB Heavy Duty Blast Suit - XXX Large	
07-755-XXXXL	RPB Heavy Duty Blast Suit - XXXX Large	
07-761	 rpb Knee Pads - pair.	
09-502-G	 L4™ Blast Light Assembly - Global power connections.	
09-903	 Nova 3 Talk™ In-Helmet Communication Upgrade Kit - radio adaptor sold separately.	

Nova 3® Respirator - Parts

Unrivalled Comfort



Nova 3 Consumables			
Part #		Description	Certifications
NV2021B		SAR Breathing Tube	
NV3-722		Inner Lens (pk 10)	
NV3-722-T		Inner Lens - Tinted (pk 10)	
NV3-724		Outer Lens (pk 50)	
NV3-725		Tear-off Lens (pk 50)	
NV3-745		Cassette Lens (pk 20) <i>- each cassette includes 5x tear-offs and 1x outer lens.</i>	
NV3-746		Mesh Screen (pk 2)	

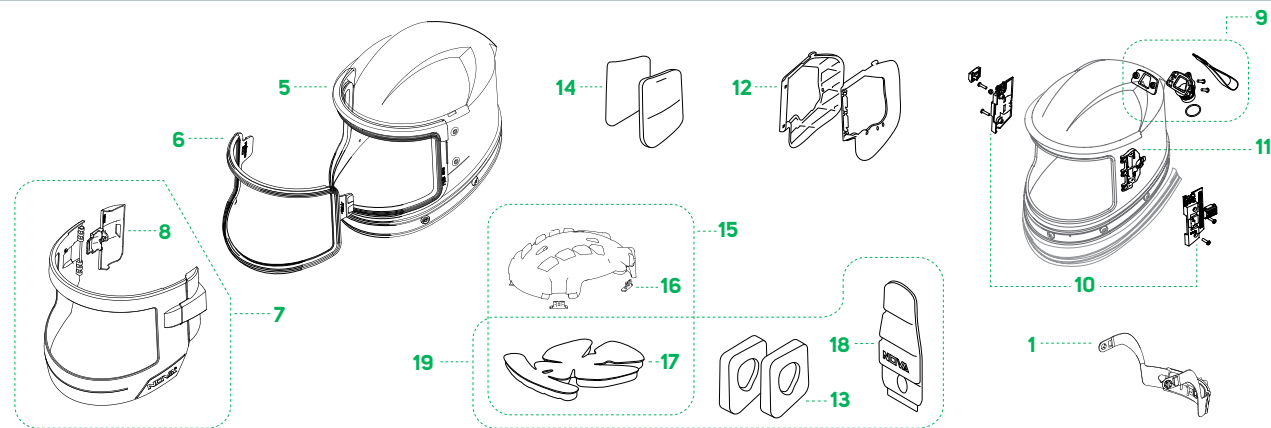
Nova Talk Parts			
Part #		Description	Certifications
09-913		Push to Talk Button	
09-916		R-TEX High Noise Headset <i>- includes PTT, radio not supplied.</i>	
09-930		Motorola Connection Cable - two-pin.	
09-931		Motorola Connection Cable - multi-pin.	
09-932		Motorola Connection Cable - multi-pin.	
09-933		Kenwood Connection Cable - two-pin.	
09-934		Motorola Connection Cable - multi-pin.	
09-938		Cable for VX-261	
09-939		Cable for Apex Icom IC-F4002	
NV3-733TK		Nova 3 Talk™ Side Padding Covers <i>- 5 pairs.</i>	

L4 Light Parts			
Part #		Description	Certifications
07-122		Cable and Hose Clamp	
09-021-EU		Power Cable - EU.	
09-021-UK		Power Cable - UK.	
09-502-G		RPB L4 Light Assembly <i>- Global power connections</i>	
09-512		L4™ Light and Mount Kit <i>- includes 09-520.</i>	
09-520		Mounting Clip	
09-522		Outer Lens (pk 10)	
09-525		Battery Charger <i>- Power Cable not included.</i>	
09-532-2		Battery Pack	

Nova 3® Respirator - Parts



Nova 3 Parts



Part # / Description		Part # / Description	
1	 07-900 Adjustable Head Support	14	 NV3-733 Side Padding Covers - 5 pairs.
-	 NV2012 Inner Bib	15	 NV3-734 Head Liner Kit - includes NV3-734-1.
-	 NV2030 Low Flow Indicator Assembly	16	 NV3-734-1 Head Liner Clips (pk 4)
-	 NV2041 Domes - 8 sets.	17	 NV3-735 Head Liner Foam Padding
5	 NV3-721 Inner Gasket	18	 NV3-735-1 Neck Pad
6	 NV3-723 Inner Lens Frame	19	 NV3-736- (A05, A10, A15 or A20) Hygiene Kit - available in 5mm, 10mm, 15mm or 20mm.
7	 NV3-726 Visor Kit - includes hinge and latch.	-	 NV3-750 Nylon Respirator Cape*
-	 NV3-727/8 Visor Mount Kit - includes 4pcs FS-40 nuts and 4pcs FS-46 screws.	-	 NV3-751 Extra Length Nylon Respirator Cape*
8	 NV3-727-2 Hinge Lock	-	 NV3-752 Leather Respirator Cape*
9	 NV3-729 Air Inlet Kit	-	 NV3-753-HD Extra Length, Heavy Duty Leather Respirator Cape*
-	 NV3-729-2 Low Flow Indicator Adapter	-	 NV3-754 Blast Jacket, Size XL*
11	 NV3-730 Padding Connectors - pair.	-	 NV3-755 Blast Jacket, Size XXL*
12	 NV3-731 Side Padding Frames - pair.	-	 NV3-759 Cape Cover Band
13	 NV3-732- (A05, A10, A15 or A20) Side Padding Foam & Covers - available in 5mm, 10mm, 15mm or 20mm.		

*Includes NV2012 Inner Bib.



Astro™ Respirator

The Economic Blasting Choice



The Astro™ is the undisputed economic champion of the abrasive blasting world. Meeting safety standards worldwide, including Australia, Europe, and the USA, this classic flat lens design is part of our design DNA.

Productivity is always at the forefront of our engineers' minds when designing our range. Incorporating our tear-off lens system saves you up to 45 minutes per day and ensures your visibility is never compromised. Weighing just 1.2kgs (excluding breathing tube), the Astro's lightweight design helps to reduce fatigue, and minimises aches and strains on your neck and shoulders.

The Astro offers low lifetime maintenance and part replacement costs, offering you unbeatable value and return on investment without compromising your safety.

The Astro is certified to the standards below:

CE 2797 UK 0086
EN14594:2005 4B
RESPIRATORY PROTECTION

Boost Productivity

Operators have reported a time saving of over 45 minutes per day per blaster by using our tear-off lenses. With individually pre-folded tabs, this system guarantees only one lens will be removed at a time.



- Removable head suspension allows for easy cleaning.
- Manufactured from robust U.V stabilised and abrasive resistant material.
- Sturdy visor frame with moulded hinge.
- Large visor lens for widened field of view.
- Cape is securely attached with 8 stud domes.
- Hand strap for easy transportation and storage.
- Streamlined air distribution system supports air movement across your breathe zone and over the lens to prevent fogging.
- Optional tear-off lenses are available.
- Unique, high-strength visor strap.



Astro Headtop

Part #	Description	Certifications
02-800-CE	 Astro Blast Respirator with Constant Flow Valve <i>Package also includes:</i> ■ Constant flow valve ■ Low flow indicator ■ Nylon cape ■ SAR breathing tube.	EN14594 4B

Astro Consumables

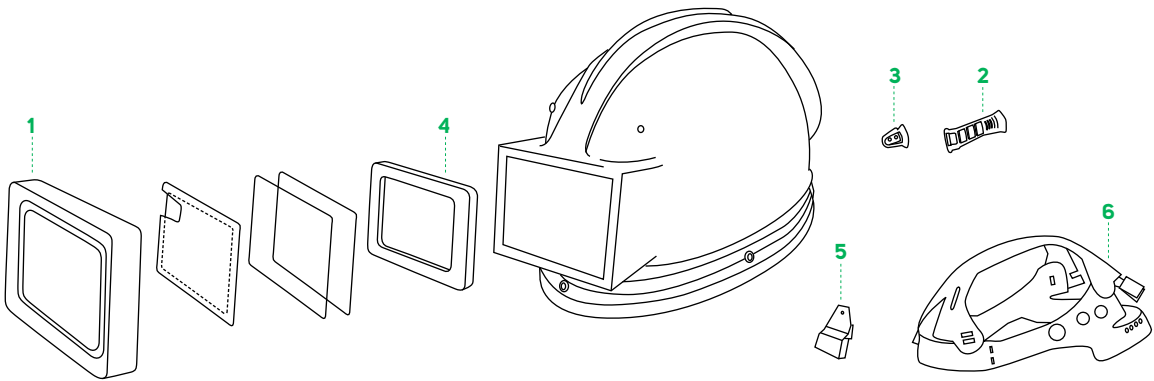
Part #	Description	Certifications
02-810	 Inner Lens (pk 10)	
02-810-T	 Inner Lens - Tinted (pk 10)	
02-811-015	 Outer Lens (pk 50)	
02-816	 Tear-off Lens (pk 50)	
NV2021B	 SAR Breathing Tube	

Astro™ Respirator - Parts

The Economic Blasting Choice



Astro Parts



Part # / Description		Part # / Description	
1	 02-804 Visor Kit <i>- includes 02-805 and screws.</i>	-	 02-813 Nylon Respirator Cape
3	 02-806 Cleat and Screws	-	 02-814 Leather Respirator Cape
4	 02-807 Window Gasket Seal	-	 03-035 Air Inlet Assembly
5	 02-808 Head Suspension Clips - <i>pk 4.</i>	-	 NV2012 Inner Bib
6	 02-809CE Head Harness	-	 NV2030 Low Flow Indicator Assembly
-	 02-812 Cape Cover Band	-	 NV2041 Domes - <i>8 sets.</i>
		-	 NV2042 Hand Strap



Supplied Air, Filtration, & Monitoring

Have Confidence That Your Breathing Air is Safe



Setting Up a Supplied Air Respiratory Protection System



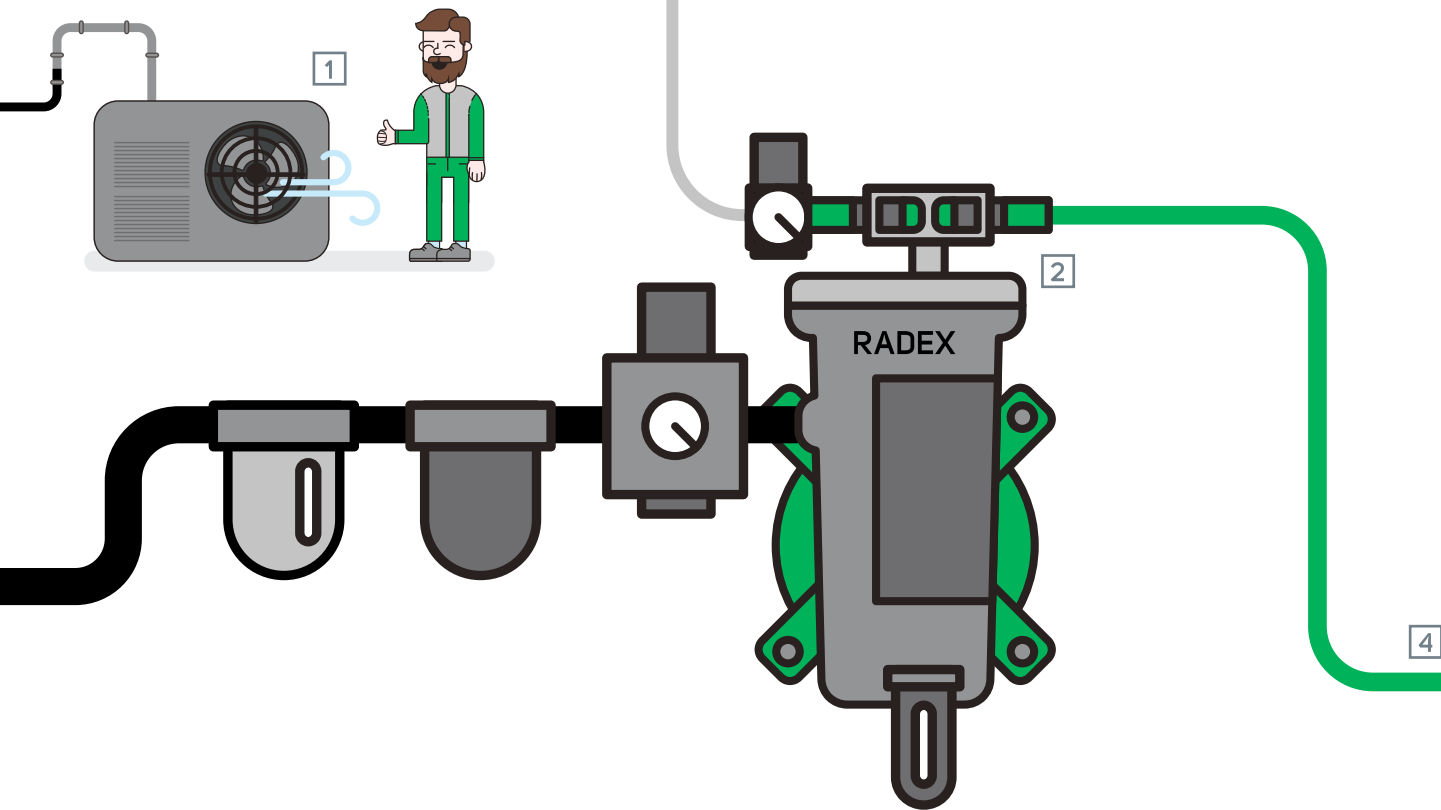
The process of setting up a supplied air respiratory protection system can at first appear complicated, but we are here to simplify the process. While the specific needs of every facility will be different, this document will provide you with a basic overview of what is needed and points for consideration when setting up a supplied air system.

Who should be involved in the planning process?

- Plant Manager
- Safety Officer
- Maintenance and electrical team
- Your respiratory protection manufacturer - as your respiratory protection manufacturer we are here to provide expert advice to make sure you get set up with a system that is safe, efficient, and practical for your team members.

Basic Components of a Supplied Air System:

- 1 Air source
- 2 Air filtration
- 3 Gas monitor
- 4 Air distribution
- 5 CE (EN14594) approved respirator assembly.



5 CE Approved Respirator Assembly

A CE approved respirator assembly, often referred to as “hose to nose” to clarify the assembly’s start and end points, is made up of the following components. For a CE approved respirator assembly, all these components must be from the same manufacturer and not interchangeable with parts from other brands to ensure compliance.

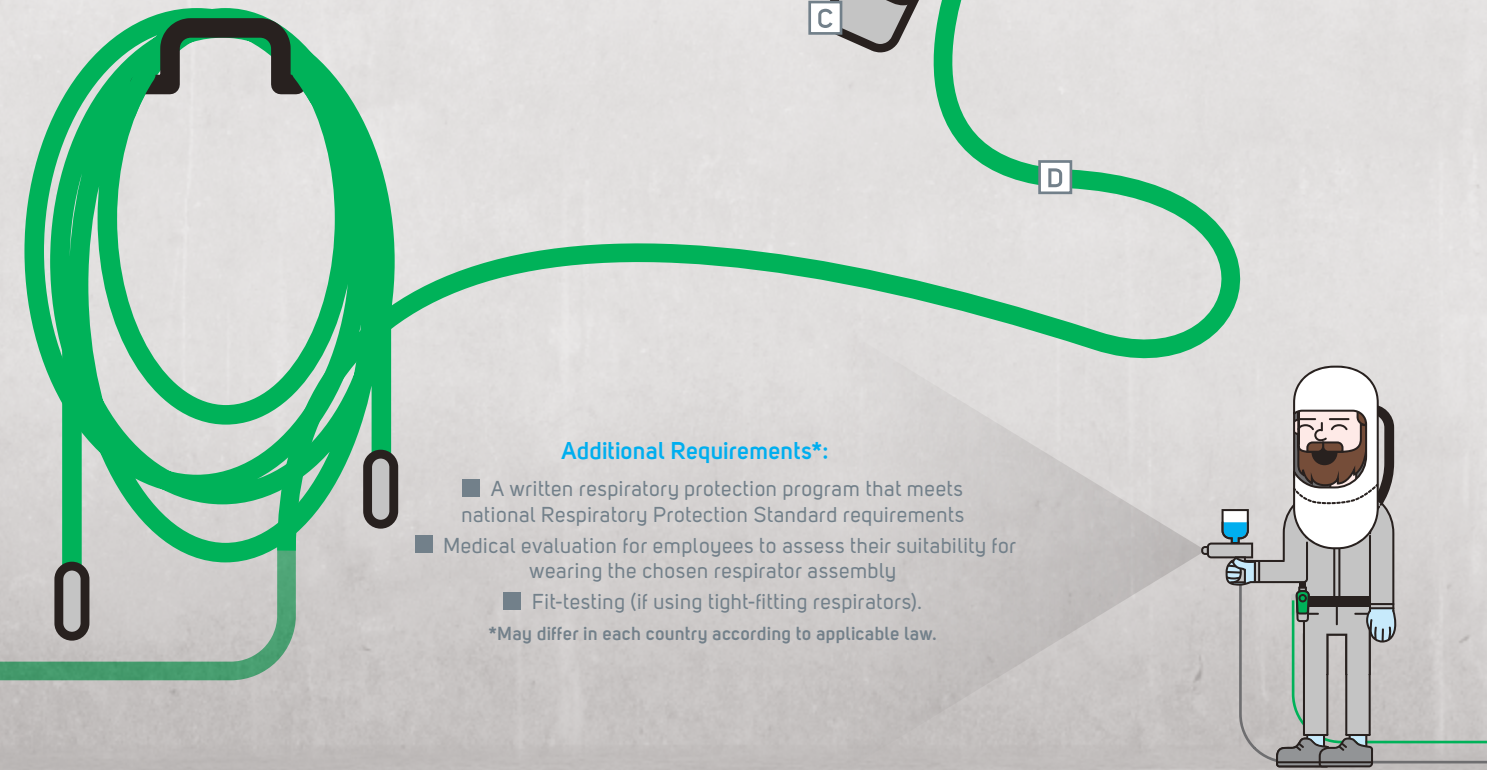
- A Headtop
- B Breathing Tube: Connects the headtop to the flow control device.
- C Flow Control Device: Controls the flow rate of air entering the headtop (pictured is the C40™ Flow Control Device, which can also heat the incoming air by up to 18°C or cool it by up to 29°C).
- D Airline Hose with Coupler.

Air Quality

In Europe, the compressor air must meet breathing air requirements as described in EN12021:2014.

Composition of Oxygen Compatible Air:

Component	Concentration at 1 013 mbar and 20 °C
Oxygen	(21 ± 1) %
Water	≤ 25 mg m ⁻³
Carbon Dioxide	≤ 500 ml m ⁻³ (ppm)
Carbon Monoxide	≤ 5 ml m ⁻³ (ppm)
Oil	≤ 0,1 mg m ⁻³



Additional Requirements*:

- A written respiratory protection program that meets national Respiratory Protection Standard requirements
- Medical evaluation for employees to assess their suitability for wearing the chosen respirator assembly
- Fit-testing (if using tight-fitting respirators).

*May differ in each country according to applicable law.

Radex® Airline Filter

Advanced Filtration Capacity



The RPB Radex Airline Filter improves the quality of the air you are breathing. Exceeding industry filtration standards, the Radex gives you the confidence that you won't be breathing contaminated air known to lead to major health issues. With the Radex, it's our commitment to protect you for life's best moments.

The Radex is fitted with a large capacity, 6-stage filter cartridge that removes moisture, odour and particulates to 0.5 micron from the compressed air stream, providing clean, breathable air. With a unique twist-and-lock wall and floor mounting system, the Radex is adaptable to all workplaces.

An optional auto drain valve is available to fit to your filter that continually removes moisture from the filter housing, increasing the lifespan of the filter cartridge.

6 OUTLET System

Upgrade to the 6-outlet system to provide filtration to six separate airlines from one filter.



Quick disconnect coupler that is compatible with brands including Aro, CEJN, Dixon and Rectus.

Outlet pressure regulator provides the ability to adjust air pressure. Range 0-125 psi (04-900 2 outlet unit only).

150 psi safety pressure relief valve.

Claw coupler port (optional).

Replacement filter cartridges have a replacement date sticker for maintenance scheduling.

Strong, robust housing.

Fitted with brass drain tap.

Wall and floor mounting system.

Radex® Airline Filter

Advanced Filtration Capacity



The Radex® airline filter is a large 6-stage filtration system that removes moisture, odour, and particulates from the compressed air-stream.



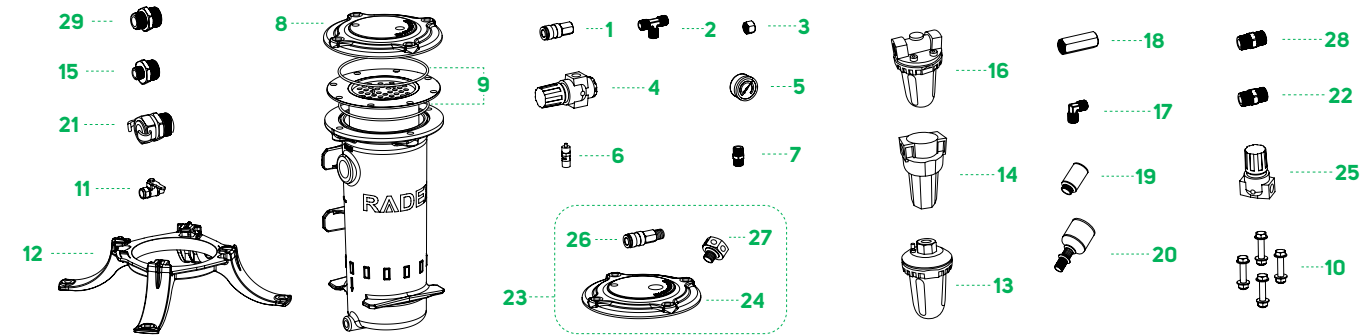
Radex Airline Filter Packages

Part #	Description	Certifications
04-900	 Radex Airline Filter - 2 Outlet Package also includes: ■ Filter housing ■ Six stage filter cartridge ■ Base/wall mount ■ Pressure regulator and gauge ■ 2x universal couplers.	
04-906	 Radex Airline Filter - 6 Outlet Package also includes: ■ Filter housing ■ Six stage filter cartridge ■ Base/wall mount ■ High flow pressure regulator and gauge ■ 6x universal couplers.	

Radex Airline Filter Packages

Part #	Description	Certifications
APF3100	 Radex Filter Cartridge	

Radex Airline Filter Parts



Part # / Description			Part # / Description		
1		04-911 1/4 Inch Coupler 3/8 Inch Female Thread	16		04-927 Mainline Pre-filter
2		04-912 3/8 Inch Brass Tee	17		04-928 Brass Elbow
3		04-913 3/8 Inch Brass Cap	18		04-929 Filter Element - for 04-927.
4		04-914 Pressure Regulator	19		04-930 Micro Mist Filter Element - for 04-925.
5		04-915 Pressure Gauge	20		04-931 Auto Drain Assembly - for 04-924.
6		04-916 Pressure Relief Valve	21		04-951 Claw Coupler
7		04-917 3/8 Inch Brass Nipple	22		04-952 1/2 Inch x 1/2 Inch Male NPT Nipple
8		04-918 Filter Lid	23		04-960 Six Outlet Upgrade Kit
9		04-919 O-Ring - set of 2.	24		04-961 Six Outlet Filter Lid
10		04-920 Bolt, Nut, Washer - set of 4.	25		04-962 High Flow Regulator
11		04-922 Brass Drain Tap	26		04-964 1/4 Inch Coupler 3/8 Inch MNPT - to fit 04-965 Manifold.
12		04-923 Base/Wall Mount	27		04-965 6 Outlet Manifold
13		04-924 Auto Drain Unit	28		04-966 1 Inch NPT Hex Connector
14		04-925 Micro Mist Filter 1/2 Inch	29		04-967 1 Inch NPT to 3/4 Inch BSP Bushing
15		04-926 1 Inch x 1/2 Inch Reducing Nipple			

C40™ Climate Control Device

Control Your Environment



The GVS C40 is a robust climate control device, designed to give you ultimate comfort when using your GVS supplied air respirator.

Renowned for our design innovation, the C40 pushes respiratory comfort to the next level. The C40 ensures you are protected for life's best moments by maintaining you at your optimum body temperature, so you don't suffer from heat exhaustion or chilling. With its simple sleek design, cool the incoming air by up to 52°F (29°C) or alternatively, heat it by up to 33°F (18°C) all by the slide of a lever. This device is the next step for maximizing your productivity and safety.

CE 2797 UK 0086
EN14594:2005 4B
RESPIRATORY PROTECTION



Low Maintenance
Low maintenance required. The air silencers are the only parts that need cleaning or replacing.



Easily control your temperature with the slide of a lever.

Increase or decrease the airflow by turning the flow control dial.

Durable FR or easy clean belt.

Choose from a range of plugs to suit your application.

Air inlet swivels 360° to ensure the device sits comfortably on your hip.

Made from lightweight, robust materials - weighs 11.6 ounces (329g), includes belt.

C40™ Climate Control Device

Climate Controlled Supplied Air



The flow control range allows the operator to control the flow rate, and temperature of their supplied breathing air when paired with their required SAR headtop.

These devices fit around the user's waist (belt included) and connect the supplied breathing airline to the appropriate SAR respirator (sold separately).



Supplied Air Flow Devices

Part #		Description	Certifications
03-102		Constant Flow Valve Assembly - CE	EN14594
03-502		RPB C40 Climate Control Device - DC	EN14594
03-502-FR		RPB C40 Climate Control Device - FR	EN14594
NV2016-CE		Flow Control Valve Assembly	EN14594

Supplied Air Breathing Tubes

Part #		Description	Certifications
04-833		Breathing Tube - for Z-Link and T-Link.	
NV2021B		SAR Breathing Tube - for Nova 3, Nova 2000 and Astro.	
04-852		Tychem Breathing Tube Cover - breathing tube not included.	
04-854		FR Breathing Tube Cover - breathing tube not included.	
04-855		Aluminized Breathing Tube Cover - breathing tube not included.	
04-856		Disposable/Decon Breathing Tube Sleeve (pk 10) - breathing tube not included.	

Supplied (Compressed) Airline

Part #		Description	Certifications
04-322-25		RPB 7.5M Breathing Airline Hose - CEJN 342 7,4 mm safety couplers.	EN14594
04-322-50		RPB 15M Breathing Airline Hose - CEJN 342 7,4 mm safety couplers.	EN14594
04-322-100		RPB 30M Breathing Airline Hose - CEJN 342 7,4 mm safety couplers.	EN14594

Supplied Air Flow Device Parts

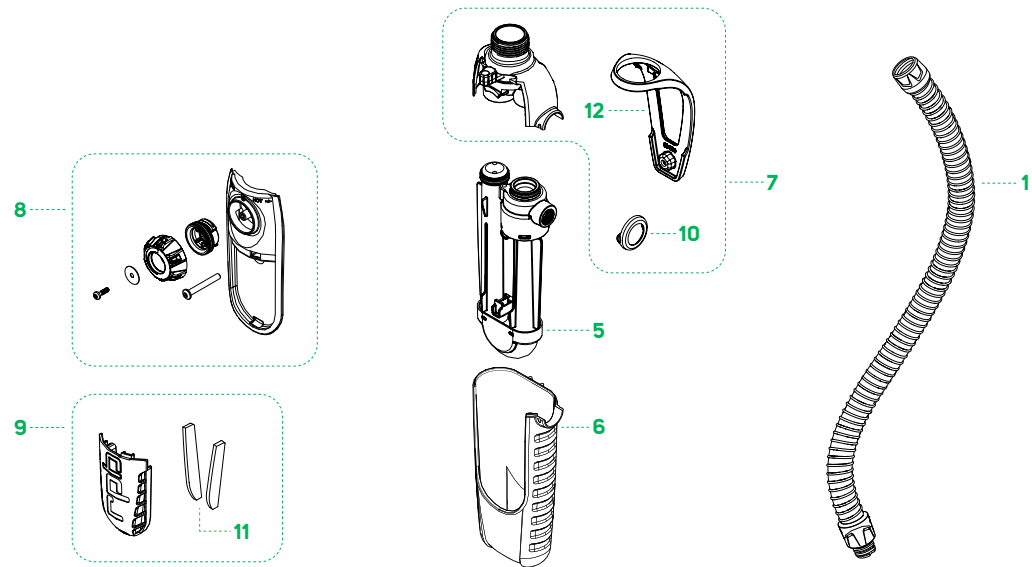
Part #		Description	Certifications
03-022-CF		CEJN Double Action Coupler FNPT	EN14594
03-022-PMS		1/4 inch Safety Plug to 1/4 inch NPT Male Swivel	EN14594
4000-12		Temperature Shield	
4000-16		Silencer Disc	
NV2022		1.5 inch Nylon Belt	
NV2032CE		1/4 inch Quick Release Plug 1/4 inch Male Thread	

C40™ Climate Control Device

Climate Controlled Supplied Air



C40 Climate Control Device Parts



Part # / Description		Part # / Description	
CORE RANGE			
1		04-833	Breathing Tube - for Z-Link® and T-Link®.
CORE RANGE			
-		04-855	Aluminized Breathing Tube Cover - breathing tube not included.
-		04-856	Clear Breathing Tube Cover (pk 10) - breathing tube not included.
-		04-862	C40® Tychem® Cover
-		03-022-CF	CEJN Double Action Coupler FNPT - NIOSH.
-		03-022-PMS	1/4" Safety Plug to 1/4" NPT Male Swivel - NIOSH.
5		03-510	C40® U Tube Assembly
6		03-514	C40® Bottom Case
7		03-521	C40® Top Case Assembly
8		03-522	C40® Exhaust Assembly
9		03-526	C40® Silencer Assembly
10		03-536	C40® Inlet Collar
11		03-537	C40® Silencers - pair.
12		03-539	C40® Belt Loop - 03-521 replacement required for pre-July 2020 C40®.
-		07-765	2" Belt Assembly
-		07-765-FR	2" Belt Assembly - FR



GX4® Gas Monitor

Multiple Gas Detection Capabilities



The GVS GX4 Gas Monitor gives you complete confidence that the supplied/compressed air you and your employees breathe is safe. By detecting when there are dangerous levels of toxic gases, this monitor ensures you'll be protected for life's best moments.

Gases such as carbon monoxide are invisible to all the human senses yet are commonly found in industrial premises worldwide. Although low-level exposure may not be immediately fatal, ongoing contact at low levels has a cumulative effect, causing serious illness and long-term health concerns.

The GX4 detects multiple gases simultaneously. With smart device and cloud integration capabilities included this enables you to view your air quality from any device, in real time.

Connect to the GX4 from your laptop, tablet, phone or even network to view real time data, download logs, alter alarm points and much more.



Gas Sensors

Our range of pre-calibrated gas sensors have been updated to fit an improved sensor while incorporating an ergonomic design for simple removal and replacement. Available in CO, O2 and H2S, all with a 2-year shelf life.



GX4® Gas Monitor

Multiple Gas Detection Capabilities



The GX4® Gas Monitor detects up to four gases simultaneously, alerting the user when there are hazardous gases present near the supplied air source. All data and logs can be accessed in real time.



GX4 Gas Monitor Packages

Part #	Description	Certifications
08-400-G	GX4 Gas Monitor - No Sensor Package also includes: - Power adaptor pack - Mounting brackets - Air supply hose.	
08-401	GX4 Gas Monitor - No Sensor with 12 volt Cable with Battery Clips Package also includes: - Mounting brackets - Air supply hose.	

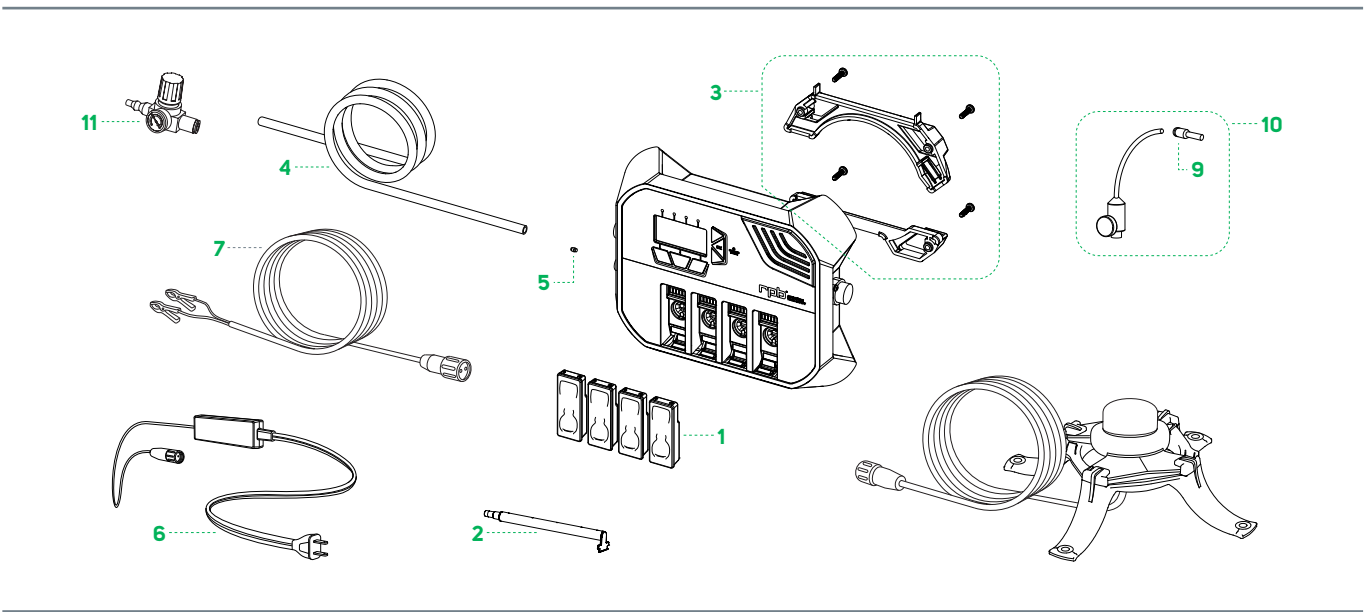
GX4 Gas Monitor Sensors

Part #	Description	Certifications
08-420-01	Gas Sensor Cartridge - Carbon Monoxide - CO 10ppm	
08-420-02	Gas Sensor Cartridge - Carbon Monoxide - CO 5ppm	
08-420-03	Gas Sensor Cartridge - Hydrogen Sulphide - H2S 10ppm	
08-420-04	Gas Sensor Cartridge - Oxygen - O2 19.5-23%	

GX4 Gas Monitor Accessories

Part #	Description	Certifications
08-231	Wall Bracket	
08-424	Heavy Duty Field Case	
08-434	Auxiliary Cable 15m with Bare End	
08-435	Strobe Light with 15m Cable	
08-436	Auxiliary Strobe & Alarm Tower with 15m Cable	

GX4 Gas Monitor Parts



Part # / Description		Part # / Description	
1	08-420 Blank Sensor Case	8	08-437 AUX, Field Install Jack
2	08-422 Sensor Manifold Tube	9	08-450 Calibration Adapter
3	08-425 Mounting Bracket - pair, includes screws.	10	08-451 Calibration Flow Regulator - for CO & Zero Air Gas Bottles, includes 08-450.
4	08-428 Air Supply Hose - includes one touch connector.	10	08-452 Calibration Flow Regulator - for H2S Gas Bottles, includes hose and fitting.
5	08-429 M5 Inlet Filter	11	08-470 External Flow Regulator
6	08-430-EU Power Pack Assembly - EU	-	09-021-EU RPB® Power Cable - EU plug
6	08-430-UK Power Pack Assembly - UK	-	09-021-UK RPB® Power Cable - UK plug.
7	08-431 12 Volt Battery Clip & Plug		

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WARNING

PRODUCT SELECTION

- 1. Determine what type of protection is required for your activity.** As applicable, check your workplace safety program, respiratory protection program, and standards and regulations for your activity or industry.
- 2. Check product specifications.** Contact GVS or check the product instruction manual (downloadable from gvs.com) for complete specifications, including approvals, standards, and regulations to which the product conforms.
- 3. Make sure you have a complete system.** Verify that you have or are purchasing all required components. System requirements are available from GVS or in product instruction manuals.

Selecting inappropriate or incomplete equipment, including the use of counterfeit or non-GVS parts, can result in inadequate protection and will void the certification of the entire respirator.



Want to know more?

Contact us:

Parts are regularly added and updated, and changes occur from time to time.
Contact our team for the latest information.

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