



RESPIRATORY PROTECTION GUIDE

Disposable Masks

Half Masks

Full Face Masks

Powered Air Purifying
Respirator (PAPR) Systems

Integrated Head Tops

Airline/Fixed Air



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Manufacturers we work with





With over 35 years of experience in the market working with all the key manufacturers in the business, Anchor Safety, technical specialists in respiratory protection, can offer an unparalleled level of expertise. Selling to a wide range of customers from blue-chip multinationals to local businesses, Anchor Safety do not just provide products, but offer the advice and assistance necessary to safely protect your workforce and ensure your legal compliance.

As well as designing and implementing RPE programmes, for both single and multi-site clients, our experts also offer full site assessments, training and change management expertise, face fit programmes and dedicated account management.

Anchor Safety can also provide ongoing support packages to fulfil customer requirements for maintenance and care of their RPE programmes. These are bespoke packages which can integrate with a client's existing equipment, or set-up from new, with purchasing and onboarding of new equipment as the need arises.

All of this comes with our solid commitment to great customer service: We look forward to showing you that the Anchor Safety Experience is second to none!

Protecting you and your workforce

Long Latency (delayed onset) Occupational Lung Disease:

Incurable lung diseases caused by the inhalation of organic or inorganic airborne dust and fibres. (Also known as Pneumoconiosis.) Includes:

SILICOSIS

- ✓ A long-term degenerative lung disease caused by inhaling crystalline silica dust.
- ✓ Once inside the lungs, it causes swelling (inflammation) and gradually leads to areas of hardened and scarred lung tissue (fibrosis). Lung tissue that's scarred in this way doesn't function properly and cannot recover.

ASBESTOSIS

- ✓ Asbestosis is a serious lung condition that affects people exposed to asbestos (a building material used from the 1950s to the 1990s). It cannot be cured. It can take 20 to 30 years after being exposed to asbestos before symptoms appear.
- ✓ When asbestos fibres and dust get into the lungs, they can cause thickening and scarring. This damage to lung tissue can make breathing difficult. In some cases, asbestosis can lead to life-threatening complications including lung cancers such as mesothelioma and heart failure. In severe cases, asbestosis can be fatal.

MESOTHELIOMA

- ✓ A type of cancer that develops in the lining covering some of the body's organs. It's usually linked to asbestos exposure. Mesothelioma mainly affects the lining of the lungs, although it can also affect the lining of the stomach, heart or testicles.

COPD

- ✓ Chronic obstructive pulmonary disease (COPD) is a lung disease causing restricted airflow and breathing problems. It is sometimes called emphysema or chronic bronchitis. In people with COPD, the lungs can get damaged or clogged with phlegm. Complications like pneumonia or respiratory failure can be fatal.

Short Latency Occupational Lung Disease:

ALLERGIC ALVEOLITIS

- ✓ Extrinsic allergic alveolitis (EAA) refers to a group of lung diseases that can develop after exposure to certain external substances. Occupational causes include bacteria, fungi, animal proteins, plants and chemicals. Exposure to contaminated metal working fluid is also a trigger.
- ✓ Symptoms can include fever, cough, worsening breathlessness and weight loss.

WORK RELATED (OCCUPATIONAL) ASTHMA

- ✓ Asthma that has been caused directly as a consequence of a person's working conditions. It can develop almost overnight, over a period of weeks, months or even years, as a result of exposure to sensitisers in the work environment. Numerous triggers can make the condition worse and once a sensitiser has been diagnosed as the cause of occupational asthma, that substance will continue to affect the sufferer.
- ✓ Sufferers frequently have symptoms such as persistent coughing, wheezing, shortness of breath and a tightness of the chest. Although the condition can be managed, there is no cure.

Assessing the risks

It is your responsibility to select the correct RPE to meet your specific requirements.

RPE must be both adequate and suitable:

ADEQUATE - It is right for the hazard and reduces exposure to the level required to protect the wearer's health.

SUITABLE - It is right for the wearer, task and environment, such that the wearer can work freely and without additional risks due to the RPE.

Any risk assessment used to inform RPE purchase should consider the following list, all of which the experts at Anchor Safety can advise upon:

The Hazard	Details
TYPE	Follow COSHH guidance sheet or safety data sheet detailing RPE required and necessary protection factor (APF)
FORM	Is the hazardous substance gas, particle, vapour...?
CONCENTRATION	What is the allowable level of concentration and how far above that will your workers be exposed?
LENGTH OF EXPOSURE	What is the allowable length of exposure and how long will the worker need to wear respiratory protection equipment? How long do batteries need to last?
THE TASK	How robust does the equipment need to be?
The Environment	Details
EXPLOSIVE OR FLAMMABLE?	Does equipment need to be ATEX rated? If so, which zone?
OXYGEN DEFICIENT?	Specialist breathing apparatus is needed in oxygen deficient atmospheres.
TEMPERATURE	Will equipment work in extreme temperatures?
SPACE / VENTILATION	Enclosed spaces with little ventilation will lead to higher concentrations of the hazard.
Personnel	Details
WORK RATE	Does the equipment need to be light/cool in heavy work rate situations?
SIZE / FACE SHAPE	No face is the same: A tight face fit is easier to achieve if the correct size of mask is used.
FACIAL HAIR	Facial hair such as beards will prevent a protective mask seal – alternative methods of protection should be sought.
SPECTACLES	Will it be possible for prescription glasses to be worn and are there alternatives such as prescription masks or hoods allowing spectacles to be worn?
DIVERSITY & EQUALITY CONSIDERATIONS	A turban, keski or pataka may cause issues with headtop selection – it is important to choose an option which will best allow for comfortable accommodation of headwear with religious or cultural purposes.

Protection Factors

Respiratory protection equipment in the UK is given an assigned protection factor (APF). This is a key tool in choosing the correct level of respiratory protection. Measuring the levels of Total Inward Leakage – the amount of air leaking into the mask from outside – this figure specifies the level of protection the wearer can achieve.


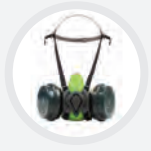

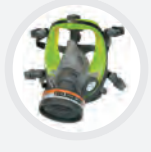


PLEASE NOTE: The decision on choosing appropriate respiratory protection should be based on overall analysis of the specific conditions and not on protection factors alone.

Factors	Details
APF Assigned Protection Factor	Level of protection that can be achieved by 'the majority of properly trained workers'.
NPF Nominal Protection Factor	Ascertained through lab testing, by trained staff. (Not representative of realistic conditions.)
SPF Simulated Workplace Protection Factor	Developed through U.S. testing laboratories - useful in the UK for international businesses who may have to satisfy American compliance regulations.

Assigned Protection Factors – Types of RPE available (Source: COSHH)

Factors	Details
APF 4	<ul style="list-style-type: none"> ✓ filtering half-mask, EN 149 / with valve, EN 405 / without valves EN 1827 ✓ half mask EN 140 and filter ✓ full face mask EN136 and filter ✓ devices above incorporating a low efficiency P1 particulate filter
APF 10	<ul style="list-style-type: none"> ✓ filtering half-mask, EN 149 / with valve, EN 405 / without valves EN 1827 ✓ half mask EN 140 and filter / full face mask EN136 and filter ✓ devices above incorporating a medium efficiency P2 particulate filter, gas filter, or gas and P3 filter ✓ powered hood model TH1 EN 146/EN 12941 ✓ power-assisted mask model TM1 EN 147/EN 12942
APF 20	<ul style="list-style-type: none"> ✓ filtering half-mask, EN 149 / without valves EN 1827 ✓ half mask EN 140 and filter ✓ devices above incorporating a high efficiency P3 particulate filter ✓ full face mask EN136 and gas filter ✓ powered hood model TH2 EN 146 / EN 12941 ✓ power-assisted mask model TM2 EN 147/EN 12942
APF 40	<ul style="list-style-type: none"> ✓ full face mask EN 136 and P3 filter ✓ powered hood, helmet or blouse model TH3 EN 146/EN 12941 ✓ power-assisted full face mask model TM3 EN 147/EN 12942
APF 2000	<ul style="list-style-type: none"> ✓ filtering half-mask, EN 149 / with valve, EN 405 / without valves EN 1827 ✓ half mask EN 140 and filter ✓ full face mask EN136 and filter ✓ devices above incorporating a low efficiency P1 particulate filter

Respirator suitability

RPE TYPE	Effective for particles	Effective for gas/vapour	Continuous wear time	APF4 types	APF10 types	APF20 types	APF40 types	APF200 types	APF2000 types	Page
 Disposable half mask – particle filter*	✓	✗	Less than 1 hour	✓	✓	✓	✗	✗	✗	10
 Reusable half mask – particle filter	✓	✗	Less than 1 hour	✓	✓	✓	✗	✗	✗	11
 Reusable half mask – gas/vapour filter	✗	✓	Less than 1 hour	✗	✓	✗	✗	✗	✗	11
 Full face mask – particle filter	✓	✗	Less than 1 hour	✓	✓	✗	✓	✗	✗	13
 Full face mask – gas/vapour filter	✗	✓	Less than 1 hour	✗	✗	✓	✗	✗	✗	13
 Powered hoods & helmets	✓	✓	More than 1 hour	✗	✓	✓	✓	✗	✗	16-21 24-25

Filter Guidance

Colour Code	Type	For use against	Class	Other information
 WHITE	P	Particles	1 2 3	European standard: EN 143
 BROWN	A	Organic gases and vapours, boiling point above 65°C	1 2 3	European standard: EN 14387
 GREY	B	Inorganic gases and vapours	1 2 3	European standard: EN 14387 Do not use against carbon monoxide
 YELLOW	E	SO and other acid gases	1 2 3	European standard: EN 14387
 GREEN	K	Ammonia and its organic derivatives	1 2 3	European standard: EN 14387
 RED & WHITE	Hg P ₃	Mercury	-	European standard: EN 14387 Includes P ₃ particle filter single-use only. No class number.
 BLUE & WHITE	NO P ₃	Oxides of Nitrogen	-	European standard: EN 14387 Includes P ₃ particle filter single-use only. No class number.
 BROWN	AX	Organic gases and vapours, boiling at or below 65°C	-	European standard: EN 14387 Includes P ₃ particle filter single-use only. No class number.
 VIOLET	SX	Substance as specified by the manufacturer	-	European standard: EN 14387

Filter colour coding examples



Purchasing RPE

Friendly and accessible help:

We pride ourselves on the Anchor Safety Experience: customer experience which meets and exceeds all your expectations.

When you call, WhatsApp or email us, you won't be put through an AI experience – instead you will be directly in contact with our helpful and friendly RPE specialists who are eager to share their expertise to help you.

Plus, our RPE range is also available to order online, though our quick and easy website.



0800 328 5028



sales@anchorsafety.co.uk



0739 375 8603



www.anchorsafety.co.uk



Fast Compliance:

Your RPE solution could be with you faster than you think! With our range of ready-made Dräger X-plore 8000 kits, you could be equipped and ready to cover a variety of serious hazards within 24 hours.



The best advice:

Anchor Safety can offer the technical support to put together both the appropriate product selection and servicing/training framework if necessary. We can also arrange a dedicated point of contact for immediate technical advice or as needed in the future. As suppliers to many organisations working in high hazard environments, rapid technical advice is an integral element to our support structure.



Reliable and forward thinking:

Anchor Safety can offer you unbiased advice on mitigating the risks within your supply chain. With adjustments to your product combinations and inventory management you can minimise the risks of any future product fluctuations.

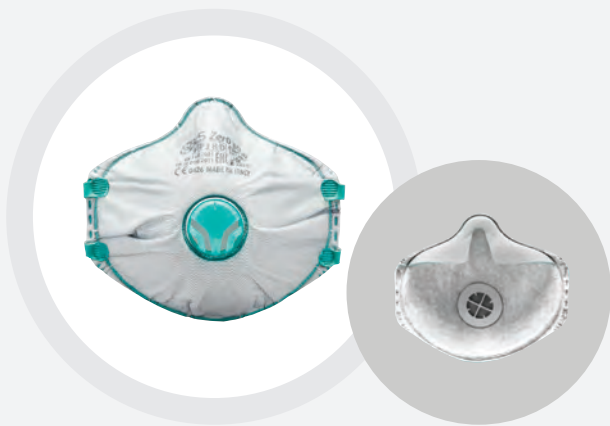


A choice of fast delivery options, including Free & Next-Day delivery:

To help you get the right RPE wherever and whenever you need it, we offer a range of delivery options direct to site, or to any address in mainland UK advised at the point of order. Find out more at: www.anchorsafety.co.uk/ppe-delivery

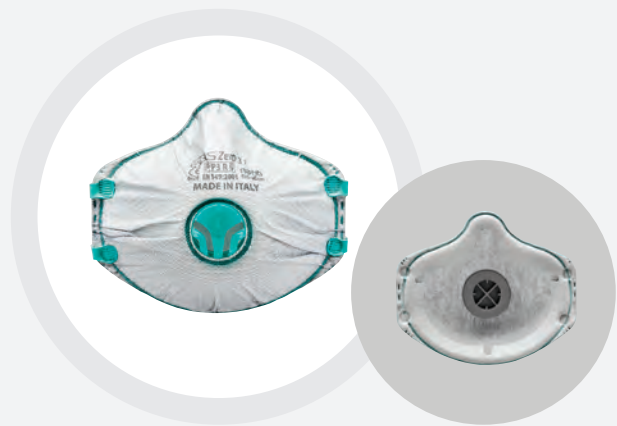
DISPOSABLE MASKS

The anatomic disposable BLS ZerO masks offer maximum protection with outstanding breathing comfort- despite the protection level of an FFP3, the breathing resistance is comparable to an FFP1 mask. Due to the water repellent safety layer, the mask performs exceptionally well in hot areas with high humidity levels and also makes it ideal for hard physical work. Using nanofiltration technology, the BLS Zero uses electrostatic filter material which filters the smallest particles. The **H03-8296** has a small face seal so is perfect for smaller faces, while the **H03-8297** (full face seal) provides an alternative size option.



H03-8296
BLS Zero Disposable Mask
with valve to FFP3 NRD

QTY: BOX OF 10



H03-8297
Bls Zero Disposable Mask
with Valve and Full Seal To FFP3 NRD

QTY: BOX OF 10

ANATOMIC

The pre-formed and elastic support makes an easier and reliable fit to all kinds of faces. It offers an excellent field of vision and great compatibility with glasses.

EOLO EXHALATION VALVE

An ultralight membrane concentrates the exhaled air into two zones of maximum aperture, 30% wider than before. With these improvements breathing resistance decreases significantly.

ARMOUR LAYER

This is an external protective layer that ensures the protection of the filtering material from dirt, dust and liquids as well as the normal mechanical stress due to prolonged use thereby extending and preserving filtering efficiency and making the device safer.

FACE SEAL

It's very important to ensure optimal fit, the face seal is made using a smooth and pleasant to the touch layer around the nose bridge, that absorbs sweat and keeps the skin cool and dry.

IT BREATHE!

The ratio of transmission of water vapour through the material is 4500 g/m² * 24hrs. A value that defines materials of a high transpiration range which makes it ideal for hard physical work or working in warm environments.



HALF MASKS

The BLS 4000 silicone half mask is a best seller. Made from silicone rubber and in two sizes, the mask is exceptionally comfortable and ensures the perfect fit. It can be disassembled in less than a minute making cleaning and maintenance effortless!



MASK SHOWN WITH A2P3-R FILTERS

H10-4000

BLS 4000 Series Silicone Half Mask

EASY AND FAST MAINTENANCE

The 4000 Series half mask can be disassembled in less than a minute making cleaning and maintenance much easier.

EOLO EXHALATION VALVE

Made from silicone rubber and in two sizes for superb comfort and perfect fit

HARNESS

Fixed on 2 points directly on the rigid body of the mask allowing to distribute the weight of the respirator evenly without leaving face marks.

BAYONET CONNECTION (b-lock)

This connection is very intuitive, it allows a fast and safe fastening of the mask. It has a locking mechanism that allows the user to know if the filter has been placed correctly.



Available in both
Small & Large



One of the lightest
on the market



Drop-off without
removing harness



Improved hygiene
protection



H10-4004

BLS 4000 Half Mask Washable Bag

Textile bag for half masks with built-in belt buckle



H10-1112

BLS A2P3 R Twin Filters

QTY: PAIR



H10-1113

BLS ABEK1P3 Twin Filters

QTY: PAIR



H10-1118

BLS P3 Twin Filters

QTY: PAIR

FULL FACE MASKS

For increased full face and eye protection, our range of full face masks can be configured for different dusts, mists, vapours, gases and fumes with the variety of filters available. If you need further information on which filters to use, please see our filter guide on page 8, or contact our experts to help you configure the best respiratory solution for your needs.



H16-012

BLS 5000 Series Premium Full Face Mask

A clear visor that, when combined with the Scott P3 Cannister (H16-053), ensures a clean air flow, blocking out harmful particles of toxic agents, radioactive substances and microorganisms (e.g., bacteria and viruses). The visor itself has properties to prevent damage and fogging.

- ✓ Optical Class 1 visor for clear distortion-free vision
- ✓ Anti-fog, anti-scratch and anti-acid treated visor for increased lifespan
- ✓ Inner mask is equipped with two inhalation valves, to reduce visor misting and assist comfort
- ✓ Silicone rubber faceseal for soft, comfortable fit
- ✓ 6-point fully adjustable harness for balanced, low pressure fit
- ✓ Quick release buckles
- ✓ Use with H16-053
- ✓ Compatible with all standard 40mm DIN thread canisters listed below
- ✓ EN 136

FOR FILTERS SEE H16-053, PAGE 13

**H16-010****Scott Protector Vision Full Face Mask**

Ensure your comfort and clean breathing. This is a full-face mask, designed to have a perfect balance and good weight distribution to ensure a comfortable wear, whilst keeping harmful particles out.

- ✓ Unique, optically-perfect polycarbonate visor
- ✓ Soft, non-dermatitic liquid silicone rubber face seal
- ✓ Provides excellent balance and weight distribution
- ✓ Hard coated visor as standard
- ✓ EN 136

**H16-053****Scott P3 Canister**

PF10 P3 R are particle filters and are suitable for use when exposed to solid and liquid particles of toxic agents, radioactive substances and microorganisms (e.g. bacteria and viruses).

**H16-054****Scott AX Canister**

A single use cannister for use with the Scott full and half face mask range. Used for any gases and vapours from organic compounds with a boiling point below 65°C.

H16-9000**Moldex 9000 Series Full Face Mask**

An ultra lightweight reusable full face mask designed with a scratch resistant polycarbonate panoramic lens. The advanced hydrophobic coating ensures that it is easy to clean and the periphery vision side panels given an unimpeded perception of surrounding environment and movement. The mask slides on easily due to extra large head-harness opening and is easy to remove with one finger strap release points.

- ✓ Streamlined and ultra-light weight increases comfort and compliance
- ✓ Exclusive over-moulded lens design for greater field of vision
- ✓ Fewer parts for minimal maintenance
- ✓ Stand away head harness, wide opening for quick and easy donning
- ✓ Strap buckles are securely moulded to face piece for rugged use
- ✓ Lens is coated for scratch resistance
- ✓ Completely free of metal parts
- ✓ EN 136:1998

**H16-9430****Moldex A1B1E1K1P3 Cartridge**

Respiratory protection from a wide variety of pollutants, this filter can be used with both full and half mask.

**H10-9030****Moldex P3 Cartridge**

Respiratory protection from an easy lock filter: this may be used as a pre-filter with gas cartridges, or direct to the mask body.

QTY: PAIR

DRÄGER X-PLORE 8000 SERIES

Challenging workplace conditions demand reliable solutions. The Dräger X-plore 8000 powered-air purifying respirator system offers a new level of intuitive handling combined with intelligent electronics that provide the high degree of safety your people need to focus on the task at hand.



DRÄGER X-PLORE 8000 SERIES: Powered Respirator Blower Unit

Dräger

Compatible with all components in
the Dräger X-plore 8000 series

Intelligent alarm system

Two-step alarm concept with
differentiation of risk level.

Lithium-ion technology

Operating time between 4 and
20 hours depending on the working
conditions and system set-up

IP65 protection

IP65 for optimal protection and easy
decontamination

Filter recognition

Advanced sensor technology
recognises the correct filter and displays
particle filter saturation properly

Hose identification

Automatic adjustment of minimum
low rate for attached headpiece



H40-59500
8500 Blower Unit



H40-59550
**8700 Intrinsically
Safe Blower Unit**

RESPIRATORY SAFETY AT ITS BEST

Filter changing is via a simple 'plug and go' system for easy changeover. The X-plore Blower Unit will intuitively recognise the type of filters in use and the facemask, helmet or hood employed, and will automatically set the correct flow rate. A triple alarm system for any issues (sound/vibration/visual) ensures that safety warnings are never ignored.

SIMPLE MAINTENANCE

The modular construction is simple to decontaminate and easy to take apart and reconstruct, with clear blue touchpoints to guide you. Despite maintenance being so simple, the X-plore Blower Unit is incredibly tough and leakproof: it will withstand extremely heavy-duty use, with rubber protectors and IP65 ingress protection, blocking dust and water jets from any direction.

FULL SHIFT RESPIRATORY PROTECTION

This PAPR set up is designed with comfort in mind for longer periods of use. The product weight is distributed evenly via a bespoke carrying system. The unit can also be paired with either a standard or high-capacity Li battery, offering extended use times of up to 8 hours.



DRÄGER X-PLORE 8000 - READY PACKS

Anchor Safety X-plore 8000 Ready Packs include everything you need to start using the system straight away, including the powerful blower unit, appropriate filters and headtop. The blower unit automatically selects the correct minimum flow rate based on the type of headtop included in the ready-made kit.

Tough enough for use in rugged environments, the system has an alarm which is both audible and vibrating, as well as a visual alert for the saturation level, ensuring your safety.

Comfortable enough to allow you to get on with the job at hand, the system is also easy to maintain, meaning it will last for a long time. Replaceable parts and longevity mean that overall ownership costs are low. All of this creates a respiratory kit ideal for a wide range of industries.



H40-59500-KIT1

1

HEAVY INDUSTRY KIT - with Dust Filter



H40-59500
8500 Blower Unit



H40-57444
Helmet with PC Visor



H40-39535
PRSL Filter



H40-59650
Flexible Hose



H40-59565
Standard Battery



H40-59780
Battery Charger



H40-59700
Standard Unit Belt

H40-59500-KIT2

2

HEAVY INDUSTRY KIT - with Dust/Gas Combination Filter



H40-59500
8500 Blower Unit



H40-57444
Helmet with PC Visor



H40-39555
A1BEK1HgPRSL Filter



H40-59650
Flexible Hose



H40-59565
Standard Battery



H40-59780
Battery Charger



H40-59700
Standard Unit Belt

H40-59550-KIT3

3 **HEAVY INDUSTRY KIT - ATEX Rated with Dust/Gas Combination Filter**

H40-59550
Intrinsically Safe
8700 Blower Unit



H40-57444
Helmet with PC Visor



H40-39555
A1BEK1HgPRSL Filter



H40-59650
Flexible Hose



H40-59575
Intrinsically Safe
Battery



H40-59780
Battery Charger



H40-59700
Standard Unit Belt

H40-59550-KIT4

4 **PAINTER'S KIT - ATEX Rated**

H40-59550
Intrinsically Safe
8700 Blower Unit



H40-59900
Respirator Headpiece
with PC Visor



H40-39555
A1BEK1HgPRSL Filter



H40-59650
Flexible Hose



H40-59575
Intrinsically Safe
Battery



H40-59780
Battery Charger



H40-59700
Standard Unit Belt

H40-59500-KIT5

5 **LIGHT INDUSTRY KIT - with Dust/Gas Combination Filter**

H40-59500
8500 Blower Unit



H40-59900
Respirator Headpiece
with PC Visor



H40-39555
A1BEK1HgPRSL Filter



H40-59650
Flexible Hose



H40-59565
Standard Battery



H40-59780
Battery Charger



H40-59700
Standard Unit Belt

H40-59500-KIT6

6

EASY CLEAN KIT - with Particulate FilterH40-59500
8500 Blower UnitH40-59870
Premium Hood - LongH40-39535
PRSL FilterH40-59600
Flexible HoseH40-59565
Standard BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt

H40-59500-KIT7

7

EASY CLEAN KIT - with Dust/Gas Combination FilterH40-59500
8500 Blower UnitH40-59870
Premium Hood - LongH40-39555
A1BEK1HgPRSL FilterH40-59600
Flexible HoseH40-59565
Standard BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt

H40-59550-KIT8

8

EASY CLEAN KIT - ATEX Rated with Dust/Gas Combination FilterH40-59550
Intrinsically Safe
8700 Blower UnitH40-59870
Premium Hood - LongH40-39555
A1BEK1HgPRSL FilterH40-59600
Flexible HoseH40-59575
Intrinsically Safe
BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt

H40-59500-KIT9

9 **WELDING KIT - with Dust/Gas Combination Filter**H40-59500
8500 Blower UnitH40-57444
Helmet with PC VisorH40-39555
A1BEK1HgPRSL FilterH40-59650
Flexible HoseH40-59565
Standard BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt

H40-59500-KIT10

10 **LIFE SCIENCES & MEDICAL KIT - with Particulate Filter**H40-59500
8500 Blower UnitH40-59870
Premium Hood - ShortH40-39535
PRSL FilterH40-59600
Flexible HoseH40-59565
Standard BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt

H40-59550-KIT11

11 **LIFE SCIENCES & MEDICAL KIT - ATEX rated for Oxygen-rich Environments**H40-59550
Intrinsically Safe
8700 Blower UnitH40-59870
Premium Hood - ShortH40-39535
PRSL FilterH40-59600
Flexible HoseH40-59575
Intrinsically Safe
BatteryH40-59780
Battery ChargerH40-59700
Standard Unit Belt



The Anchor Safety range of head tops are designed to protect from a wide range of hazards and all are ideal for situations where a face fit is not possible due to headwear or beards.

H40-59810

Dräger X-plore 8000 Standard Hood

The Dräger X-plore 8000 Standard Hood is designed to be used with the Dräger X-plore 8000. The Hood is ideal for a range of workplace environments and protects you from various hazards.



H40-59870

Dräger X-plore 8000 Premium Hood - Long

A lightweight premium long safety hood, designed to keep out harmful particles or fumes, used as part of the Dräger X-plore powered respiratory system. This long version is made for limited-use applications and covers the head, face and neck area.

It also features a dual-layer neck guard for additional safety when worn with a protective suit. The hood is made from a low noise, soft material and incorporates a guided breathing inlet which guides the air away from your head and avoids it focusing on a single spot.

A spacer at the top of the polycarbonate visor helps to define the curvature, ensuring low visual distortion. With a removable sweatband and adjustable straps, the hood offers a comfortable fit and is ideal for applications where mechanical head and eye protection are not required.



H40-59850

Dräger X-plore 8000 Premium Hood - Short

A lightweight premium short safety hood, designed to keep out harmful particles or fumes, used as part of the Dräger X-plore powered respiratory system.

The hood covers the head and face, leaving the ears uncovered for communication purposes. The hood is made from a low noise, soft material and incorporates a guided breathing inlet which guides the air away from your head and avoids it focusing on a single spot.

A spacer at the top of the polycarbonate visor helps to define the curvature, ensuring low visual distortion. With a removable sweatband and adjustable straps, the hood offers a comfortable fit and is ideal for applications where mechanical head and eye protection are not required.

**H40-57444****Dräger X-plore 8000 Helmet with PC visor L2Z**

Dräger X-plore 8000 powered respirator helmets provide effective mechanical head protection combined with maximum comfort.

Regardless of whether you are dependent on ambient air or working independently, the powered respirator helmets are an integral part of our Dräger X-plore 8000 powered air-purifying respirator systems and Dräger X-plore 9300 compressed air line device.

**H40-59900****Dräger X-plore 8000 Respirator Headpiece with PC Visor**






A polycarbonate respirator face shield designed to shield your eyes and ensure complete respiratory protection when used as part of the Dräger X-plore 8000 system.

**H40-59940****Dräger X-plore 8000 Automatic Welding Visor**



A welding respirator visor with automatic filters and darkness adjuster. Offers respiratory protection as well as eye protection from welding arcs.

NOT compatible with Airline systems.






Filters for Dräger X-plore 8000

Code	Filter type	Details	Image
H40-39535	PRSL Filter	<ul style="list-style-type: none"> ✓ Reusable combination filter. ✓ Stop particles passing into the clean air intake. 	
H40-39550	A1BE1PRSL Filter		
H40-39555	A1BEK1HgPRSL Filter		
H40-39580	A2 Filter		
H40-39545	A2PRSL Filter		

Additional Filters for Dräger X-plore 8000




H40-39605	Odour Filter	<ul style="list-style-type: none"> ✓ Assists in removing nuisance/strong odours used in combination with other filters. 	
H40-39730	Pre-Filter (Pack of 10)	<ul style="list-style-type: none"> ✓ Used with other filters (normally P3/PRSL). ✓ Absorbs contamination. 	

Batteries and Charger for Dräger X-plore 8000 powered blower unit






H40-59585	High Capacity PAPR Battery	<ul style="list-style-type: none"> ✓ Last for 8 hours* (at 210 l/min and P3 filter). 	
H40-59595	High Capacity Intrinsically Safe PAPR Battery	<ul style="list-style-type: none"> ✓ Last for 4 hours* (at 210 l/min and P3 filter). ✓ Intrinsically safe (Ex Zone 1). 	
H40-59575	Intrinsically Safe PAPR Battery	<ul style="list-style-type: none"> ✓ Last for 4 hours* (at 210 l/min and P3 filter). ✓ Intrinsically safe (Ex Zone 1). 	
H40-59565	Standard PAPR Battery	<ul style="list-style-type: none"> ✓ Last for 4 hours* (at 210 l/min and P3 filter). 	
H40-59780	Battery Charger	<ul style="list-style-type: none"> ✓ Charges a flat battery is less than 4 hours. ✓ For rapid deployment, the battery will be at least 80% charged after two hours. 	

*The operating time will depend on the adjusted flow and the concentration of contaminants.





Hoses for Dräger X-plore 8000

Code	Filter type	Details	Image
H40-59610	Flexible Hose, for Facemasks	<ul style="list-style-type: none"> ✓ Flexible, with good resistance to cuts and punctures. 	
H40-59600	Flexible Hose, for Hoods	<ul style="list-style-type: none"> ✓ Designed to work with H40-59500 and H40-59840/50/60/70. ✓ Flexible, with good resistance to cuts and punctures. 	
H40-59650	Flexible Hose, for Helmets and Visors (old Model)	<ul style="list-style-type: none"> ✓ Designed to work with H40-59500 and H40-59910. ✓ Flexible, with good resistance to cuts and punctures. 	

Belts, Straps & Pads for Dräger X-plore 8000

Code	Filter type	Details	Image
H40-59740	Shoulder Carrying System	<ul style="list-style-type: none"> ✓ Designed to be combined with the belts. ✓ Offers better weight distribution to ensure comfort and safety. 	
H40-59700	Standard Power Unit Belt	<ul style="list-style-type: none"> ✓ For use with Powered Blower Unit (H40-59500). ✓ Helps to keep the unit safe and secure. 	
H40-59710	Decon Powered Unit Belt	<ul style="list-style-type: none"> ✓ For use with Powered Blower Unit (H40-59500). ✓ Suitable for decontamination applications. ✓ Helps to keep the unit safe and secure. 	
H40-59730	Comfort Pad	<ul style="list-style-type: none"> ✓ Designed to improve the comfort of the standard power unit belt (H40-59700). 	
H40-59750	Belt Extension For Standard Belt	<ul style="list-style-type: none"> ✓ For use with Standard Belt (H40-59700). ✓ Extends by 35cm 	

Accessories & Parts for Dräger X-plore 8000

 <p>H40-59690 Transport Case</p>	 <p>H40-59631 O-Ring Plug In Connection (pack of 10)</p>	 <p>H40-59632 O-Ring Bayonet Connection (pack of 10)</p>	 <p>H40-59563 Plug Hose Connection</p>
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INTEGRATED HEADTOPS

For those who prefer to avoid waistbelts and airlines, our wide range of integrated head tops, a selection of which are shown here, are a further configurable powered respiratory protection option. With the battery contained in the head top, there are no waist mounted power units, filters or connecting hoses - everything is in the helmet. These head tops are also completely configurable for use in a wide range of industrial applications, for your precise air purifying and wearer requirements. **Please contact our experts to help you configure the best respiratory solution from our full range.**

PUREFLO ESM NON-INCENDIVE

A Powered Air Purifying Respirator System with Integrated Eye and Head Protection: This is a comfortable, self-contained, lightweight powered air purifying respirator that does not require face fit testing, as it can be used safely with beards and/or prescription spectacles. The respirator is powered by two rechargeable batteries that are held inside the respirator.

Providing protection against:

- ✓ Solid and liquid aerosols
- ✓ Full head protection
- ✓ Faceshield providing full eye protection from impact and splash liquids
- ✓ No trailing leads, hoses or cables eliminating potential snagging
- ✓ Multiple helmet colour options, to suit your brand or working area
- ✓ No cumbersome waist-mounted blower unit



H60-0011
PureFlo PF33 Series ESM Non-incendive
Short Duct Build Helmet

Includes:

- ✓ Yellow or White Hard Hat
- ✓ Black Neck Cape
- ✓ P3 Filter (optional filter available: ABEP3)
- ✓ 8 Hour Option (2 Batteries)
- ✓ Individual Charger x 2
- ✓ EN12941, EN397, EN812, EN166, IEC6007915:2001, TH3



H60-0010
PureFlo PF23 Series ESM non-incendive
standard build helmet

Includes:

- ✓ Bump Cap
- ✓ Black Or White Neck Capes
- ✓ P3 Filter (optional filter available: ABEP3)
- ✓ 8 Hour Option (2 Batteries)
- ✓ Individual Charger x 2
- ✓ EN12941, EN397, EN812, EN166, IEC6007915:2001, TH3





4 in 1 Fully Integrated Protection

1. HEAD PROTECTION

- ✓ Built around an EVO5 industrial safety helmet combining a super strong ABS shell for superior all day protection with the comfort of the Evolution 3D-Adjustment harness system.
- ✓ Conforming to: EN397.

2. HIGH EFFICIENCY FILTERS

- ✓ High capacity HEPA filters coupled with aerodynamically optimised pre-filter covers ensure PowerCap Infinity delivers 160 litres per minute of clean air to the user with maximum battery efficiency. Filters can be changed easily with the quick-change bayonet system.
- ✓ PowerCap Infinity provides users with clean air to the level of EN12941:1998 + A2:2008 TH3P - The highest possible rating with an APF of 40.

3. PANORAMIC IMPACT VISOR

- ✓ The optical class 1 visor offers impact protection at speeds of up to 270mph (Tested using a 6mm steel ball bearing). The visor has a replaceable peel-off visor protector to prolong its life.
- ✓ Conforming to: EN166.1.B.

4. EAR DEFENDERS

- ✓ Developed to seamlessly integrate with Sonis helmet mounted ear defenders and peaks at an unbeaten level of 36 SNR.
- ✓ Conforming to: EN352-3.

H38-7018

JSP Powercap Infinity Respirator

One of the best options when it comes to respiratory protection. The JSP Powercap Infinity Respirator combines head protection, high efficiency filters, a panoramic impact visor, and ear defenders all into one package..



AIRLINE/FIXED AIR

Designed to be used alongside an air supply system, Airline/Fixed systems ensure a safe flow of air from your air supply to your respirator mask. Our Airline/Fixed Air range includes the Dräger X-plore 9300 Manifold, the Dräger X-plore 6300 Full Face Mask, and the Dräger PAS Air Supply Filter system - creating a fixed air range designed for a safe and stable air supply.

All Dräger Fixed Air solutions are fully compatible with the range of 8000 Series Head Tops (Pages 20-21) and Full Face Masks (Page 27).



H40-59916

Dräger PAS Filter Portable: Air Supply Filter System

The Dräger PAS filters reliably clean air, e.g. from an existing high-pressure network, from liquid and solid particles, including oil vapour and smell. The filter, is designed to be used with other airline products, ensuring the air from your air system is properly filtered and safe for breathing.

- ✓ Portable variation designed to be moved and placed in different locations for ease of use
- ✓ Manually Adjustable Air Pressure
- ✓ Particle Filter
- ✓ Activated Carbon Filter

H40-59915

Dräger PAS Filter Mounted: Air Supply Filter System

- ✓ Mounted Variation designed to be installed in one area
- ✓ Manually Adjustable Air Pressure
- ✓ Particle Filter
- ✓ Activated Carbon Filter



**H40-55800****Dräger X-plore 6300 Full Face Mask**

The Dräger X-plore 6300 is the efficient and quality full face mask intended for price-conscious users not wanting to compromise on safety. This full face mask is the successor to the Panorama Nova Standard, a mask which has proven itself over decades of use worldwide. Designed to be mainly used with the Dräger Airline system but can be used with powered air respirators.

- ✓ 180° angle visor cuts off vision as little as possible
- ✓ Mask Body is made from EPDM
- ✓ EN 136 Class 2

Also compatible with the X-plore 8000 PAPR powered respirator unit.

H40-56200**Dräger FPS 7000 Full Face Mask**

The Dräger FPS 7000 Full Face Mask designed to be used alongside the Dräger Airline range to help with protection and having a secure airflow. Its ergonomic design and harness make it very simple to put on and take off, along with a double sealing line to ensure a secure and comfortable fit.

- ✓ 180° angle visor cuts off vision as little as possible
- ✓ Made from either Silicone or EPDM
- ✓ EN 136 Class 3, EN 137 Type 2

Also compatible with the X-plore 8000 PAPR powered respirator unit.

**H40-54450****Dräger Panorama Nova Full Face Mask**

Made to be combined with airline systems or self-contained breathing apparatus, the respiratory mask Panorama Nova is a reliable and safe system. It offers a comfortable and secure fit due to its construction from EPDM or silicone, suitable for almost all face shapes.

- ✓ 180° angle visor cuts off vision as little as possible
- ✓ Made from either Silicone or EPDM
- ✓ EN 136 Class 3

Also compatible with the X-plore 8000 PAPR powered respirator unit.



H40-63587-KIT1

SPRAY PAINTING AIRLINE READY KIT

This complete Dräger X-plore Airline Respiratory Kit is designed for use with an Air Supply Unit and is ideal for use when Spray Painting. The ready to use kit includes everything you would need to start straight away, including the Manifold systems and filter system.



H40-63587
9300 Manifold



H40-59900
PC Respirator Visor



H40-59600
Flexible Hose



H40-39555
Air Supply Hose



H40-63681
Decon Belt

Accessories for Dräger Airline/Fixed Air

Code	Filter type	Details	Image
H40-63587	X-plore 9300 Manifold	<ul style="list-style-type: none"> ✓ Connects with Dräger face masks and X-plore 8000 headpieces. ✓ Safe flow and auto-test technology ensures correct airflow so pre-testing is not needed ✓ Protected flow adjust mechanism provides additional airflow for improved comfort ✓ EN14594 ✓ Used in combination with H40-63681/H40-63683, H40-63425, H40-59900, H40-60806, H40-59600 and H40-59670 	
H40-53584	X-plore Air Manifold	<ul style="list-style-type: none"> ✓ Designed to be used with other Dräger Airline products ✓ Tested for use in potentially explosive atmospheres ✓ Anti Static ✓ EN14593 part 1 and 2, suitable for Zone 1 	
H40-39555	Air Supply Hose 3m	<ul style="list-style-type: none"> ✓ To be used with Dräger Airline products ✓ Ranges from 3m to 50m 	
H40-63681 H40-63683	Decon Belt - Medium Decon Belt - Large	<ul style="list-style-type: none"> ✓ Standard belt to be used with H40-63587 	
H40-39545	Comfort Belt	<ul style="list-style-type: none"> ✓ Comfort pad to be used with H40-63681/83 	

Face Fit Testing

Face fit is a process which ensures a tight-fitting mask is fitted correctly to a person, to ensure it works as it should.

A face fit should be carried out before RPE is worn for the first time and then if there is any change in circumstance to the wearer which could alter the fit.

Why is Face Fit Testing vital

We all have different shaped faces; this means that one mask does not fit everybody. If there is any leak in the tight seal made by a mask, then it is not going to protect the wearer.

To ensure optimum performance of close-fitting respirators and to maintain compliance, it is essential that face fitting is carried out on a regular basis.



How is a face fit carried out?

Face fitting involves using a hood which is placed over the person's head, this hood is then filled with a harmless substance with a taste to it. If the person can taste the substance while conducting a series of exercises, the mask doesn't fit.

How can Anchor Safety help you?

Anchor Safety can provide a bespoke face fit programme carried out by specialists in respiratory equipment. This ensures your compliance and gives you a clear and accurate safety audit trail.



Get in touch with the Anchor Safety specialist RPE team to discuss a Face Fit testing programme for your organisation.

Call: 0800 328 5028










RPE Maintenance

Anchor Safety recommend complete compliance with CoSHH on RPE. CoSHH states that all respiratory equipment must be maintained at least monthly, by a competent person in accordance with the manufacturer's requirements.

Anchor Safety are able to provide care packages to support customers in a programme of maintenance and care for their RPE equipment on a monthly basis. These bespoke packages can integrate with a client's existing equipment as well as setting up purchasing and onboarding new equipment as the need arises. This can:

- ✔ Guarantee consistency of inspection and testing, meaning an audit trail is always in place for HSE inspections.
- ✔ Ensure quality of inspection, carried out every time by a fully trained RPE specialist. (Also ensuring maintenance is done properly rather than being a tag on to an employee's main activities.)
- ✔ Allow monitoring and tracking through an online portal to ensure oversight is always accessible at a glance. Alternatively, we can work with a process or system of your choice.



Instruction		Details
	Follow manufacturer instructions	Ensures thorough cleaning and no compromise to hazard protection.
	Use disposable gloves	Protects hands during cleaning.
	Inspect all parts for damage	Carefully disconnect all parts.
	Repair any damage	This should only be done by a fully competent technician.
	Wipe clean with a neutral detergent	Clean all parts with a soft cloth or disposable wipe. Some parts can be rinsed with clean water. Using the wrong cleaning products can result in damage. Do not allow any water to enter the battery compartment!
	Do not try to clean the filter	If the filter is compromised through dirt or damage it should be replaced.
	Air dry all components before reassembly	Fully dry in a decontaminated atmosphere away from direct heat.
	Keep a written record	Having a record of all cleaning and maintenance will help with H&S audits.
	Store carefully	Remove all batteries and filters when out of use and store in a clean, dry environment, away from direct heat.

Consider these points when developing your own filter maintenance schedule:

Note expiry dates	Mark the filter with the date that the packaging was opened and with its expiry date. Do not use a filter which has passed its expiry date.
Filter changes: All	Always change before the contaminant can be smelled or tasted and before the filter life indicated in your own risk assessment.
Dust filters	Change if damaged or visibly contaminated. Change if they become harder to breathe through.
Gas/vapour filters (Capacity 1)	Change at least every two days or as instructed by the manufacturer; but every day if the filter is used for protection against: <ul style="list-style-type: none"> ✓ A carcinogen, or potential carcinogen. ✓ A respiratory sensitiser or substance that may cause allergy or asthma symptoms or breathing difficulties if inhaled.
Gas/vapour filters (Capacity 2)	Change at least once a week or as instructed by the manufacturer.
Gas/vapour filters (Capacity 3 and TM/TH type)	Change as instructed by the manufacturer.

Compliance Standards

All RPE products supported by Anchor Safety are in full compliance with relevant European legislation. European standards (EN) detail both performance requirements and test methods and have been developed for every type of RPE and filter.

MASKS

Type	Standard	Details
Filtering half masks FFP1 FFP2 FFP3	EN149:2001	Single use mask where the facepiece is the main filtering device. Designed to protect against: <ul style="list-style-type: none"> ✓ solids ✓ water based aerosols ✓ oil based aerosols Classified FFP1-3 according to efficiency
Filtering half mask with valves	EN405	Half mask with inhalation and exhalation valves, where the facepiece is the main filtering device, where particle filters may be integral or replaceable. Several classes of device: <ul style="list-style-type: none"> ✓ Particle filters can protect against solids, water and/or oil based aerosols ✓ Gas filters remove specified gases and vapours ✓ Combined filters remove specified gases and particles
Half & quarter masks for use with filters and as part of an RPE device	EN140	Facepieces which may be used with filters in a negative pressure system, or as part of a powered or supplied air system.
Full face masks	EN136	Headpieces which may be used with filters in a negative pressure system, or as part of a powered or supplied air system. There are three classes: <ul style="list-style-type: none"> ✓ Class 1 – light duty, low maintenance ✓ Class 2 – General duty with maintainable parts ✓ Class 3 – Heavy duty firefighters
Face piece connector	EN148	Requirement for the threading on a face piece connector.

FILTERS (Used as part of a respiratory protection device)

Gas filters and combined filters used as part of a Respiratory protective device	EN14387/ EN141	Gas filters – remove specified gases and vapours. Combined filters – remove solid and/or liquid particles and specified gases and vapours. Classified in types and classes according to type and concentration of toxic substance authorised. (See filter guide - Page x)
Particulate filters	EN143	Effective against dust/fibres/most types of smoke/liquid aerosols and bacteria. <ul style="list-style-type: none"> ✓ P1 – low efficiency (typically used in low level dust not harmful to health) ✓ P2 – medium efficiency (protects against contaminants up to 10 x the workplace exposure limit) ✓ P3 – high efficiency (protects against contaminants up to 20 x the workplace exposure limit)
AX Filters	EN371	Combined filters against low boiling organic compounds.
SX filters – for specific named compounds	EN372	Combined filters for use against specific named gases and vapours and particles. Classified according to particle efficiency.

POWERED AIR RESPIRATORS (PAPR)

Type	Standard	Details
Powered filtering devices incorporating hoods or helmets	EN12941 (supersedes EN146)	Protects against specified gases and vapours, particles (solid and/or liquid aerosols or a combination). Classified TH1, TH2, TH3
Powered filtering devices incorporating full face masks, half masks or quarter masks	EN12942 (supersedes EN147)	Protects against specified gases and vapours, particles (solid and/or liquid aerosols or a combination). Exhalation valves discharge exhaled air and excess air. Classified TM1, TM2, TM3

SUPPLIED AIR RESPIRATORS

Compressed airline linked breathing apparatus incorporating a helmet or hood (max. airline length 10m)	EN270	Protects against particulates gases and vapours. Clean, breathable air is delivered via airline from a source of compressed air.
Light duty compressed airline linked breathing apparatus incorporating a helmet or hood (max. airline length 10m)	EN1835	Protects against particulates gases and vapours. Clean, breathable air is delivered via airline from a source of compressed air.

SELF-CONTAINED AIR RESPIRATORS

Self-contained air respirators	EN137	Minimum standard for self-contained open circuit compressed air breathing apparatus
	EN145	Minimum standard for self-contained closed circuit compressed air breathing apparatus.
	EN146	Minimum standard for self-contained open circuit compressed air breathing apparatus incorporating a hood.
	EN402	Minimum standard for lung governed self-contained open circuit compressed air breathing apparatus

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