

ASKYTEC

Made to perform.



Respiratory

Protection

Superior safety.
Uncompromised comfort.





World-leading personal protection solution manufacturer

Who we are

For over 30 years Globus has been protecting people in industry and healthcare. We put people at the centre of everything we do. Our products are essential to our customers and enable them to work safely and give their best performance. We provide high-quality health and safety solutions across a broad spectrum of industries. Our long-term goal is to be the first choice for safety worldwide. Our flexibility and ability to adapt quickly enables us to deliver innovative solutions of the highest quality to meet our customer's needs.

What we do

Globus is one of the world's leading manufacturers of global worker safety solutions for hand, eye, head, hearing and respiratory protection as well as protective clothing. With a unique style and identity, our solutions are built upon the cornerstones of protection, wearability and compliance.



SKYTEC

Made To Perform.

Introducing the latest innovation from Skytec, the 4500 Series of 3-panel fold-flat respirators. Designed, developed and manufactured in the UK from premium UK-made filter media. Both valved and unvalved variants feature unique features with a high-quality finish to enhance user acceptance.



3 Panel Mask
4500 Series

Why choose Skytec respiratory protection?



Industry solutions

Globus offers a wide array of solutions tailored to various industries. From manufacturing and healthcare to aerospace and chemicals, our personal protective equipment can provide optimum safety for a large range of applications.



Product innovation

From concept to creation, innovation and technology are integral to our product design. Our products are synonymous with continuous innovation, consistently evolving to provide the best safety solutions for workers.



360 programme

Designed to offer you a tailored solution for your specific PPE needs using our automated, in-house production lines. The Globus 360 programme includes a thorough evaluation of your site's hazards, applications, and potential risks to determine the most suitable PPE solutions.

The Globus RPE safety programme

The Respiratory Protective Equipment (RPE)
Programme is designed to help companies that
seek the assurance that their workforce has
adequate and suitable respiratory protection
for their environment.

Working alongside Health and Safety professionals, we will ensure that a compliant solution is specified, one that includes protective masks correct for the individual, task, and environment. The resulting solution will be tailored precisely for your organisation and includes the following 5 steps:





Respiratory protection

Globus' respiratory range offers exceptional quality. We have a selection of products with varying levels of protection against airborne particles such as dust, fumes, and viruses, protecting your workforce in various environments. The disposable respirators have achieved excellent Face Fit Test pass rates and have consistently outperformed competitor products when undergoing Face Fit Testing.

ASKYTEC



Disposable

respirator range

- Alpha Flow Series
- 4500 Series



Solution / Value sell / Advanced in H&S - Fit; Comfort; Compatibility





A Series





Excellent fit combined with comfort and performance



- 6000 Series
- AlphaFold+



Compliant Solution / Price Fighter

Need help choosing?



Below are further suggestions on why a product maybe selected, however a full risk assessment should be conducted before final selection:

Reduced heat build-up		Valved Models		
Excellent PPE compatibility		3000 Series 4500 Series		
Adjustable headstraps	•••	3000 Series 6000 Series S - Series		
Multi shift	1+	AMF-3V 3030V + FFP3 RD		
Medical approved	MD	4500 Series MXC-IIR Clear Panel FFP2/P3		
Smaller faces		HX Series Alpha Fold+ S-Series		
Exceptional fit		4500 Series 3000-Series S-3V		
Colour-coded protection	0	Alpha Flow A-Series 4500 Series		
Fold-flat		4500 Series A-Series AlphaFold+		

Premium respiratory range

Skytec's premium range of disposable respirators offers a wide range of features and benefits to the end user. Including excellent fit, superior comfort and exceptional compatibility with other PPE.

4500 Series

PROTECTION OPTIONS: FFP2 · FFP3

The 4500 Series is the newest addition to Skytec's range of premium respirators. Featuring premium UK-made filter media across valved and unvalved variants, the 4500 Series range provides low breathing resistance and excellent fit factor.



Key Features

- Premium disposable fold-flat respirator for easy storage, donning and doffing
- Secure, metal free harness system with colour coded textile elastic for easy identification of FFP level
- Soft, flexible and adjustable nose bridge for increased fit factor and comfort
- Multilayer electrostatic filter media for high performing filtration with low breathing resistance
- ✓ Full width internal faceseal, made from soft touch PVC for high comfort
- Ergonomic design for a secure fit on a wide range of face shapes















4520



4520V



4530



4530V

FFP2 FFP3

Suitable for **all industry sectors** including:







Energy





Construction

Manufacturing

Civil Engineering

Hazardous Waste

Aerospace



Alpha Flow

PROTECTION OPTIONS: FFP2 • FFP3

The Alpha FLOW SERIES has been designed to improve comfort and performance whilst maintaining a secure fit. Colour coded to easily identify protection levels where varying protection levels are required in a specific area.

Key Features

- The mesh outer cover enables a large surface area ensuring low breathing resistance
- Large exhalation valve reduces heat build-up improving wearer comfort
- Preformed nosebridge eliminates the need for regular adjustment (AMF-2V, AMF-3V and AMF-CV)
- ✓ Soft foam inner face seal
- ✓ AMF3V can be used for beyond a single shift
- ✓ Range tested to Test D (AMF3V FFP3 RD)





PERMITS CLEAR COMMUNICATION



REDUCED HEAT BUILD-UP



PREFORMED NOSEBRIDGE



COLOUR



AMF-1



AMF-2



AMF-2V



AMF-3CV



AMF-3V

FFP2 FFP3













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Core respiratory range

Skytec's core disposable respirator range provides excellent fit combined with comfort and performance.

3000/3500 Series

PROTECTION OPTIONS: FFP2 • FFP3

The 3000 SERIES is a range of preformed premium cup-shaped respirators. Provides excellent fit and comfort.

Key Features

- The highest performing product on the market, when Face Fit tested
- Electrostatic filter media allows low breathing resistance and a lightweight outer shell maintains excellent shape
- ✓ Range tested to Test (D) (3030V +)
- ✔ Preformed nosebridge removes the need for regular adjustment
- ✓ Four-point headstrap adjustment (3030V, 3030V+ and S-3V)
- ✓ Continuous loop metal-free headstrap (3020v and 3020)









Alpha S

Designed to ensure an excellent fit for the smaller face. Based on the 3000 SERIES the Alpha S is an FFP3 preformed cup-shaped respirator.



Suitable for **all industry sectors** including:













Construction

Manufacturing

Civil Engineering

Energy

Hazardous Waste

Aerospace



A Series

PROTECTION OPTIONS: FFP2 • FFP3

The A series is a range of vertical shaped respirators that combine the benefits of a lightweight, fold-flat respirator with a colour-coded alphamesh that retains its shape.

Key Features

- The lightweight Alpha shell provides a large surface area ensuring low breathing resistance
- Premium exhalation valve reduces heat build-up, improves wearer comfort (A-2V, A2CV and A3V)
- Preformed nosebridge removes the need for regular adjustment and provides an excellent fit
- Individually packed to prevent contamination and permit easy storage
- ✓ Adjustable loop through straps for an easy and secure fit











ADJUSTABLE HEAD STRAP

FORMED

COLOUR









FFP3





FFP2









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Base respiratory range

Skytec's base range is an ideal solution where a more cost effective option is required whilst still offering fit, comfort and performance.

6000 Series

PROTECTION OPTIONS: FFP2 · FFP3

The 6000 SERIES is a collection of high-performing, a cup-shaped UK-made respirators, which provides a lightweight secure fit.



Key Features

- ✔ Premium exhalation valve for excellent breathability
- Preformed nose bridge and soft inner foam provides a comfortable and secure seal
- Simple four-point strap providing incredible ease to donning and doffing for a secure fit (6030V)
- Electrostatic filter media
- Soft touch premium elastic





4-POINT IEADSTRAP



PREFORMED



6020



6020V



6030V

FFP2

FFP3

Suitable for **all industry sectors** including:













Construction

Manufacturing

Civil Engineering

Energy

Hazardous Waste

Aerospace



AlphaFold+

PROTECTION OPTIONS: FFP2 • FFP3

MADE IN

The AlphaFold+ is a vertical fold-flat disposable respirator designed with an inner face seal, adjustable straps and two size options to offer an excellent fit for all face shapes.

Key Features

- ✓ Lightweight, fold-flat respirator
- ✓ Flexible nose bridge
- ✓ Inner seal around the nose area for an effective fit
- ✓ Electrostatic filter media
- ✓ Conforms to EN 149:2001+A1:2009 FFP3 NR
- Available in two size options, (regular AFS and small ASFS). Ideal to fit a wide range of face shapes
- ✓ Adjustable loop-through straps
- ✓ Latex-Free









FABRIC



ASF-2 / ASFS-2



ASF-2V / ASFS-2V



ASF-3 / ASFS-3



ASF-3V / ASFS-3V

FFP2 FFP3







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Reusable respiratory range

Skytec's reusable respirators are ergonomically designed for optimum protection, comfort and compatibility.

Sentinel Half Mask

PROTECTION OPTIONS: FFP2 • FFP3

The Alpha Sentinel Half Masks are ergonomically designed for optimum protection, comfort and PPE compatibility.

Key Features

- ✓ Certified to EN 140:1998
- Well-balanced and lightweight (268g), providing optimum wearer comfort
- Available in three sizes creating a tailored fit profile, superb fit and comfort for any workforce
- Fully adjustable head harness, offering easy fitting and adjustment, with a robust and trusted fit when in use
- Low profile shape to maximise the field of vision and allow exceptional compatibility with other PPE
- Alpha Sentinel filters are fitted with a simple connection which easily clicks into position
- Premium quality elastic strap provides a secure high comfort fit and retains mask positioning
- The large exhalation valve reduces heat and moisture build-up, providing low breathing resistance
- Easily cleaned and maintained with spare parts available
- Quantitative Face Fit adapter available
- Respirators are supplied with user seal check covers, which double as particulate retainers for combination filter





LOW PROFILE



ADJUSTABLE



EXCEPTIONAL

Suitable for **all industry sectors** including:













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Sentinel Full Mask

PROTECTION OPTIONS: FFP2 • FFP3

Alpha Sentinel Full Face Masks are ergonomically designed for optimum protection, comfort and PPE compatibility.

Key Features

- ✓ Certified to EN136:1988 CL2
- The five-point adjustable head harness removes the feeling of a downward pull ensuring a balanced comfortable fit
- ✓ Well-balanced, lightweight (600g)
- Available in three sizes for a more tailored fit, increasing respirator/fit factor
- Raised visor bridge profile protects the visor from scratches when not in use
- Visor and filter position provides panoramic field of view without any obstructions
- Low profile shape provides exceptional compatibility with other PPE
- The Alpha Sentinel filters are fitted with a simple connection which easily clicks into position
- The large exhalation valve reduces heat and moisture build-up, providing low breathing resistance
- Easily cleaned and maintained with spare parts available
- ✓ Tested to EN136:1998 Class 2 ensuring greater robustness and higher flame retardancy
- Supplied with user seal check covers, which double as particulate filter holder for combination filter
- Optical insert available
- ✓ Quantitative Face Fit adapter available
- ✓ The harness is designed to prevent over-rotation and tangling



PANORAMIC



5-POINT ADJUSTABLE HEAD HARNESS



EXCEPTIONAL















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Sentinel Filters

PROTECTION OPTIONS: FFP2 • FFP3

The Alpha Sentinel filter range offers protection against hazardous gas, vapour and particulates within a wide variety of industries. Fully compatible with the Alpha Sentinel Full Face and Half Mask, the ergonomic filters offer incredibly low breathing resistance with optimised volume when fitted.

Key Features

- ✓ Gas & Combined filters tested to EN 14387:2020
- ✔ Particulate filters tested to EN 143:2000+A1:2006
- Gas filters are snowstorm-filled to optimise space and volume, resulting in a smaller lightweight casing that limits obstruction of view when fitted
- Particulate P3S & P3H contain pleated filter media, providing more surface area for reduced breathing resistance
- Alpha Sentinel filters are fitted with a simple connection which easily clicks into position
- Less than 115g, all filter combinations are lightweight and can be used on both Full Face and Half Mask
- $\checkmark\,$ The P3P Filter is tested to 'R', allowing the use for more than one shift









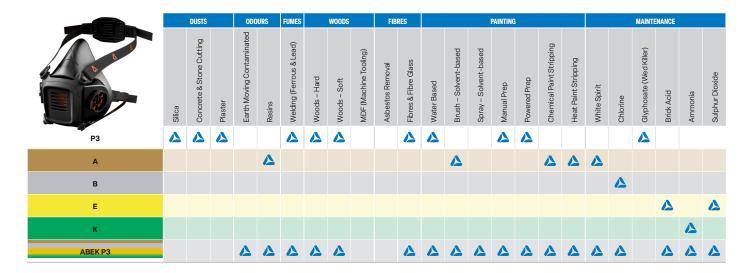


FILTER: A1

FILTER: A2

FILTER: P3H

FILTER: P3S



Suitable for all industry sectors including: -













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Sentinel Retail Range

PROTECTION OPTIONS: FFP2 • FFP3

The Skytec Alpha Sentinel is available in a wide number of retail packs.















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NET ZERO is on the horizon

At Globus, protecting the planet matters. That's why we are moving beyond carbon-neutral goals to a Net Zero carbon reduction strategy and approach.



Scan to find out more



Industry leading UK-made respirators

Disposable





Our **UK-made**, **high-performing** respirators are the perfect solution for all industry sectors.



Guide to protection levels

Our respirators offer varying levels of protection against airborne particles such as dusts, mists and fumes.

Protection factors

A protection factor is based on analysis of the contaminate substance calculated by using EH40/2005 workplace exposure limits guidance (HSE). FFP1, FFP2 and FFP3 respirators can reduce the amount of airborne particles you breathe using protection factors of 4, 10 and 20 respectively.

The **HIGHER** the number, the **BETTER** the protection.



FFP1 reduces the wearer's exposure to airborne particles by a **FACTOR OF 4**

PROTECTS AGAINST

- · Non-toxic dusts
- · Water / oil based particulates



FFP2 reduces the wearer's exposure to airborne particles by a **FACTOR OF 10**

PROTECTS AGAINST

- Fine toxic dusts, mists and fumes
- · Water / oil based particulates



FFP3 reduces the wearer's exposure to airborne particles by a **FACTOR OF 20**

PROTECTS AGAINST

- Very fine toxic dusts, mists and fumes
- · Water / oil based particulates
- Metal fumes and nuisance level organic vapours (charcoal filter variant)

Face Fit Testing

Compulsory training

Training in the correct use and care of respirators has been mandatory in the COSHH (Control of Substances Hazardous to Health) regulations since 1989. The 2002 revision of the COSHH regulations and the Approved Code of Practice (ACoP) now require that fit testing of Respiratory Protective Equipment (RPE) be carried out.

Leading provider

Skytec were one of the the first to obtain the 'Fit2Fit' accreditation. 'Fit2Fit' is recognised within INDG479 Fit Testing Guidance Notes.

The scheme confirms the competency of a particular individual to perform face piece fit testing, by ensuring they have passed an industry recognised exam and demonstrated a thorough knowledge of how to fit test in one or more of the test methods.

Face Fit Testing kit

The Skytec Qualitative Face Fit Testing Kits enable wearers of negative pressure half masks and disposable respirators to be Fit Tested correctly and economically. Four variations of the Kit are available depending on whether bitter or sweet sensitivity solutions are required and with a choice of cases.

All are easy to use and supplied with full instructions. Spare parts are available to order upon request.

QLTK1	QLTK1P	QLTK1S	QLTK1SP	
1 x Hood	1x Hood	1 x Hood	1 x Hood	
12 x 2.5ml Bitter Sensitivity Solutions	12 x 2.5ml Bitter Sensitivity Solutions	12 x 2.5ml Sweet Sensitivity Solutions	12 x 2.5ml Sweet Sensitivity Solutions	
12 x 2.5ml Bitter Test Solutions	12 x 2.5ml Bitter Test Solutions	12 x 2.5ml Sweet Test Solutions	12 x 2.5ml Sweet Test Solutions	
2 x Nebulisers	2 x Nebulisers	2 x Nebulisers	2 x Nebulisers	
Instructions	Instructions	Instructions	Instructions	
Supplied in a Cardboard Case	Supplied in a Durable Plastic Case	Supplied in a Cardboard Case	Supplied in a Durable Plastic Case	







Face Fit Test kit

Face Fit Test kit

PROTECTION OPTIONS: FFP2 • FFP3

Our Face Fit Test kits enable a qualitative respiratory fit test for tight-fitting FFP's and negative pressure half masks in line with the COSHH (Control of Substance Hazardous to Health) and the Approved Code of Practice (ACoP) regulations for the mandatory testing of respiratory protective equipment (RPE). The Fit Test kit comes in a compact, sturdy, portable storage case in either plastic or cardboard,

Kit includes:

- ✓ 1x Hood
- ✓ 1x Sensitivity solution Bitter or Sweet

and contains the below breakdown.

- ✓ 1x Test solution Bitter or Sweet
- ✓ 1x Test solution Bitter or Sweet
- ✓ 2 x Nebulisers
- ✓ Spare valves
- ✔ Pins for inspection
- ✓ Instructions for use



Suitable for all industry sectors including:













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Test methods

PROTECTION OPTIONS: FFP2 • FFP3

There are two fit test options; Qualitative and Quantitative. We have developed this Qualitative Face Fit Test Kit (ref.QLTK1) to enable wearers of negative pressure half masks and disposable respirators to be fit tested correctly and economically. In addition, our skilled professional staff can offer help and advice.

















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Guide to respiratory protection standards

EN 149:2001+A1:2009

This European Standard specifies minimum requirements for filtering half masks as respiratory protective devices to protect against particles except for escape purposes. A particle filtering half mask covers the nose and mouth and chin and may have inhalation and/or exhalation valve(s). The half mask consists entirely or substantially of filter material or comprises a facepiece in which the main filter(s) form an inseparable part of the device. It is intended to provide adequate sealing on the face of the wearer against ambient atmosphere when the skin is dry or moist and the head is moved. Air enters the particle filtering half mask and passes directly to the nose and mouth area of the facepiece or via an inhalation valve(s). The exhaled air flows through the filter material and/or an exhalation valve (if fitted) directly to the ambient atmosphere. These devices are designed to protect against both solid and liquid aerosols.

Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices; FFP1, FFP2 and FFP3. In addition, particle filtering half masks are classified as single shift use only, marked with symbol 'NR' or as reusable (more than one shift) – marked with symbol 'R'.

Performance tests within this Standard include filter penetration, extended exposure (loading) test, flammability, breathing resistance and total inward leakage.

EN 14683:2019

This is a European standard that medical face masks in Europe are required to comply with. The testing requirements for this standard include bacterial filtration efficiency, differential pressure (breathability), splash resistance and microbial cleanliness.

Dolomite Test

The Dolomite test is an optional test under Standard EN 149:2001+A1:2009. These masks have passed the optional Dolomite clogging test, for better breathing resistance over a longer period. The respirators will be marked with symbol 'D' after the class of respirator, such as FFP2 NR D.

EN 136 - Respiratory protective devices. Full face masks. Requirements, testing, marking.

This European Standard specifies the requirements for a full face mask as a respiratory protective device. A full face mask is a facepiece which covers the eyes, nose, mouth and chin and provides adequate sealing on the face of the wearer of a respiratory protective device against the ambient atmosphere, when the skin is dry or moist, and even when the head is moved or when the wearer is speaking. Air enters the full face mask through the connector(s) and passes either directly to the nose and mouth area or via the eye (visor) area of the full face mask. The exhaled air flows back either through the connector into the breathing apparatus (closed-circuit breathing apparatus, pendulum breathing) or directly to the ambient atmosphere, via the exhalation valve(s), or by other appropriate means in other types of respiratory protective devices. An inner mask may be used to separate the nose and mouth from the eye (visor) area(s) of the full face mask.

EN 136 classifies full face masks as:

Class 1: Light Duty

Class 2: General Use

Class 3: Special Use

The standard includes assessments for field of vision, flammability, and strength of connections, and tests for properties such as breathing resistance, carbon dioxide content, and inward leakage. Additionally, this standard requires assessment of the visor or eyepiece for mechanical strength, distortion, misting and leak tightness, which is assessed before and after mechanical strength testing. If the respirator includes a speech diaphragm it must be tested for strength and function.

EN 140 - Respiratory protective devices. Half masks & quarter masks. Requirements, testing, marking.

This European Standard specifies the requirements for a half or quarter mask as a respiratory protective device. A half mask is a facepiece which covers the nose, mouth and chin. A quarter mask is a facepiece which covers the nose and mouth. They are intended to provide adequate sealing on the face of the wearer of a respiratory protective device against the ambient atmosphere, when the skin is dry or moist and when the head is moved. Air enters the facepiece and passes directly to the nose and mouth area of the facepiece. The exhaled air flows directly to the ambient atmosphere, via the exhalation valve(s) or by other appropriate means. The standard includes assessments of field of vision, head harness, and strength of connections, and tests for properties such as breathing resistance, carbon dioxide content and inward leakage.

EN 143 - Respiratory protective devices. Particle filters. Requirements, testing, marking.

This European Standard specifies the requirements for particulate filters for use with respiratory protective devices.

Particle filters are classified according to their filtering efficiency.

There are three classes of particle filters: P1, P2 and P3 in ascending order of the filtering efficiency.

P1 = Low filter performance (80% efficiency)

P2 = Medium filter performance (94% efficiency)

P3 = High filter performance (99.5% efficiency)

The standard includes assessment of materials and connections. The filters are then tested for breathing resistance, clogging, and penetration. Filter penetration testing is carried out before and after clogging with dolomite dust to ensure the product continues to perform at the required level.



EN 14387 - Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking.

This European Standard covers gas and combined filters particulate filters for use with respiratory protective devices.

The Standard includes assessments of materials, construction and connections. The filters are then tested for gas capacity and breathing resistance, with combined filters subject to additional penetration testing. Filters are designated by type and class, determined by the gases or vapours that they are intended for use to protect against.

Types A, B, E, K, and multi-type gas filters are classified further by capacity, with 1 (low) to 3 (high) following the letter, e.g. A2.

Filter types:

Gas Filters: Type A - Organic gases and vapours with a boiling point of >65°C.

Type B - Inorganic gases and vapours.

Type E - Sulphur dioxide and other acid gases and vapours.

Type K - Ammonia and organic ammonia derivatives.

Type AX - Organic gases and vapours with a boiling point by the manufacturer.

Type SX - Specially named gases and vapours, as specified by the manufacturer.

Special Filters: Type Hg-P3 - Mercury vapours and particles.

Type NO-P3 - Oxides of nitrogen, nitro gases and vapours and particles.

Additionally, combined filters include classification from EN 143 which follows the complete

gas element marking, e.g. ABEK1P3.

CE CERTIFICATION

EUROPEAN REGULATION 2016/425 (EU) UK REGULATION 2016/425



CAT I Minor Risk

CAT II Reversible Risks (injury), certified compliant by a notified body.

CAT III Irreversible Risks certified compliant by a notified body. Also subject to ongoing surveillance by a notified body whose number is specified.



Notes

Notes





Contact Our Team

Need more information?

Discuss your requirements with one of our safety specialists. Our team is here to help and advise you.

sales@globusgroup.com +44 (0)161 877 4747



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