

 **SKYTEC™**

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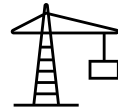


ASKYTEC™ Sentinel Powered Air Respirator (PAPR) System

Key Industries:



ANY INDUSTRY
GENERATING
SILICA DUST



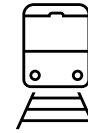
CONSTRUCTION &
DEMOLITION



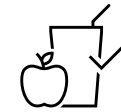
MEDICAL &
HEALTHCARE



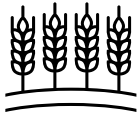
PHARMA



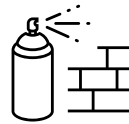
TRANSPORTATION
HIGHWAYS
INFRASTRUCTURE



FOOD & BEVERAGE



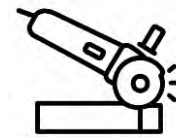
AGRICULTURE



SURFACE PREPERATION
& PAINT SPRAYING



WOODWORKING



METALWORKING



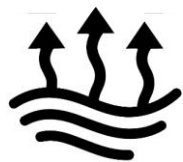
CHEMICAL INDUSTRIES



UTILITIES

SKYTEC™ Sentinel Powered Air Respirator (PAPR) System

Benefits of PAPR over Disposable or Reusable Respirators:



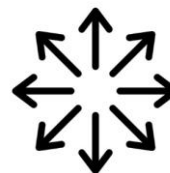
Comfort & Breathability

PAPR lowers breathing resistance and improves comfort with cooler airflow, reducing heat and fatigue—ideal for demanding or hot, humid environments.



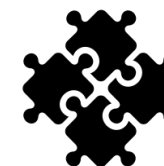
Higher Protection Factor

PAPRs offer higher protection than disposable (FFP2/FFP3) or reusable half masks. Full-hood or helmet models can reach APFs of 40x or more, versus 10x for half masks and 20x for full-face respirators.



Reduced Fit Dependency

Unlike tight-fitting respirators, many PAPRs require no face fit test and suit users with facial hair, varied face shapes, or sensitive skin—ensuring consistent protection for a diverse workforce.



Integrated Protection

PAPR systems with helmets or visors deliver multi-level protection—respiratory, eye, and head—in one unit. This reduces the need for multiple PPE items, improving comfort, compatibility, and compliance.

SKYTEC™ Sentinel Powered Air Respirator (PAPR) System

Benefits of PAPR over Disposable or Reusable Respirators:



All Day Wearability

Continuous airflow reduces heat, moisture, and CO₂ buildup, preventing fogging and discomfort for longer, more consistent wear—ideal for extended shifts or repetitive tasks.



Long Term Cost Efficiency

While the initial investment is higher, PAPRs have reusable, long-life components and replaceable filters, reducing ongoing waste and cost over time.



Worker Compliance

The powered airflow creates a perceptible sense of cooling and protection, improving psychological comfort. The positive-pressure system helps workers feel safer and less fatigued, encouraging higher compliance rates.



Reduced Impact

Compared to single-use respirators, PAPRs produce significantly less waste, supporting sustainability goals. Durable, modular components can be serviced, sanitized, and reused.

Product Overview



ASKYTEC™ Sentinel Powered Air Respirator (PAPR) System

Designed for versatility in industrial and healthcare settings, delivering comfort, safety, and ease of use for extended use in demanding conditions.

Featuring simple display controls and intuitive functionality, the system offers four adjustable airflow speeds for personalised comfort. Its lightweight, balanced design improves mobility and reduces fatigue, while visual, audible, and vibration alarms ensure multi-sensory alerts to ensure continuous protection. The anti-snag hose connection with recessed and ball-and-socket fittings enhances flexibility and durability. USB-C charging provides fast, convenient recharging.

- Simple display & intuitive functionality
- 4 Airflow speeds for adjustable comfort
- Lightweight and balanced design
- Multi sensory alarms - visual, vibration & audible
- USB-C charging for simple, efficient charging
- Recessed, ball-and-socket hose connection minimises snagging and enhances flexibility
- Ideal for industrial & healthcare environments



ASKYTEC™ Sentinel Powered Air Respirator (PAPR) System



Features & Benefits:

Dual Filter Configuration

Increases filtration surface for better protection and airflow, reducing strain and extending filter life. Supports mixed filter types and improves comfort with balanced weight distribution.



Visual, vibration & Audible Alarms

Alerts users through multiple senses, ensuring warnings are noticed promptly even in noisy or low-visibility environments. Reduces the chance of missing critical alerts like low battery or airflow blockage.

Filter Stop

The filter stop ensures correct fitting and prevents overtightening, protecting components and maintaining a reliable seal.

USB-C Charging

Fast, hassle-free charging with a universal connector. Reduces downtime, eliminates bulky chargers, and supports long-term compatibility across devices.

Features & Benefits:

Ball & Socket Hose Connector

Allows the hose to pivot in multiple directions



Recessed Hose Connection

The unit features a recessed hose connection to minimize snagging and enhance durability in active environments



Range of Filters & Pre Filter

use of a pre-filter extends main filter life by capturing larger particles (dust, debris, lint) before they reach the primary filter, reducing its load and prolonging its lifespan.

Simple display & intuitive functionality

Operators can quickly adjust settings without interrupting workflow with minimal need for manuals. The clear simple display reduces user error and helps avoid mis-operation.

4 Airflow Speeds for adjustable comfort

Users can adjust airflow to match activity, environment, or preference—enhancing comfort during long shifts. Lower speeds save battery life, while higher speeds reduce fatigue and discomfort for safer, longer wear.

180 l/min 200 l/min 210 l/min 220 l/min

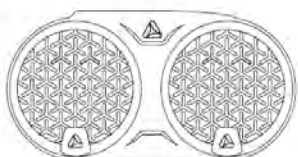
SKYTEC™ Sentinel Powered Air Respirator (PAPR) System

Skytec™ Sentinel Starter Kit

The Skytec Sentinel Starter Kit provides all essential components to begin using the Sentinel Powered Air Purifying Respirator (PAPR) system. Designed for convenience and compatibility, it includes the blower unit, battery, charger, hose, P3 filters and belt, delivering a complete ready-to-use solution for reliable respiratory protection.

Engineered for performance and ease of use, the kit ensures simple setup, efficient operation, and seamless integration with Sentinel head tops and accessories.

Kit Includes:



Powered Air Respirator



P3 filter pair



Hose



Belt



Battery + charger



Air flow tester





ERGONOMIC

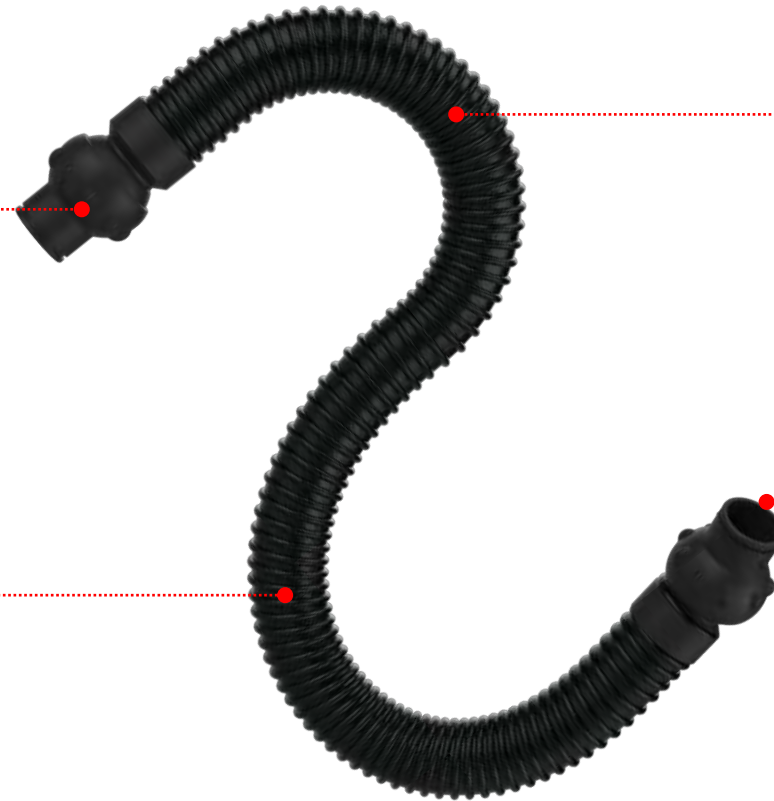
Workers in healthcare, manufacturing, or hazardous environments often need to twist or lean frequently. The self adjusting hose featuring the flexible joint adapts to these motions, making the PAPR more versatile and less intrusive .

Ball & Socket Hose Connector

- Allows the hose to pivot in multiple directions rather than being fixed in one plane.
- Reducing tugging and resistance when the user bends, turns, or moves their head and body, making the system more comfortable to wear for extended periods.

Self-Adjusting Hose

- Automatically adjusting length or angle, the hose is less likely to kink, twist, or catch on equipment.
- This helps maintain a secure respiratory seal, which is critical for safety.



Reduced Hose Kinking and Wear

- A fixed connector can cause the hose to bend sharply at stress points, leading to kinks or damage.
- The ball-and-socket joint distributes movement more evenly, lowering strain on the hose and extending its service life.

Enhanced Safety and Comfort

- Preventing sharp pulls, the connector reduces the risk of breaking the seal on the facepiece or hood, which is critical for maintaining proper respiratory protection.
- Less pulling also reduces user fatigue, especially in high-mobility or physically demanding tasks.

Face shield

Flip Up Visor

The flip-up feature enhances flexibility, comfort, and efficiency, allowing workers to easily switch between protection and open without removing their PPE

High Quality Visor

Excellent field of vision with this high quality EN166 medium impact protection Visor

Replacement Visor Options

-  Shade 3
-  Shade 5
-  Amber



Adjustable head harness

Lightweight and well balanced with fully adjustable head suspension with ratchet to allow for quick fitting to the user's preference

Adaptive Visor

Everyone's face is different. The visor's depth adjustment lets users set the right distance from the face for greater comfort and protection, even with glasses or varying facial features.



Adjustable soft chin seal

Made from flame-retardant material, the chin seal with self-adjusting toggle provides consistent comfort across a wide range of face shapes and sizes. This adaptability reduces the need for multiple hood sizes while ensuring a secure fit with different facial structures and accessories.

Easy to Maintain

Removable components ensure straightforward cleaning, routine maintenance, and easy replacement when needed.

Helmet with integrated Visor

Respiratory Helmet

Integrated safety helmet delivers combined head and respiratory protection in a single, durable system.

High Quality Visor

Excellent field of vision with this high quality EN166 medium impact protection Visor

Replacement Visor Options

-  Shade 3
-  Shade 5
-  Amber



Adjustable head harness

Lightweight and well balanced with fully adjustable head suspension with ratchet to allow for quick fitting to the user's preference

Hearing Protection Compatibility

Designed for easy integration with the Alpha Sota range of hearing protection, providing a fully integrated system that combines respiratory, head, face, and hearing protection for complete worker safety.

Adjustable soft chin seal

Made from flame-retardant material, the chin seal with self-adjusting toggle provides consistent comfort across a wide range of face shapes and sizes. This adaptability reduces the need for multiple sizes while ensuring a secure fit with different facial structures and accessories.

Easy to Maintain

Removable components ensure straightforward cleaning, routine maintenance, and easy replacement when needed.

SKYTEC Sentinel Powered Air Respirator

SKYTEC SENTINEL PAPR HALF HOOD	SKR00002FZ
SKYTEC SENTINEL PAPR PREMIUM HALF HOOD	SKR00004FZ
SKYTEC SENTINEL HEADGEAR (For Short Hood)	SKR00040AZ
SKYTEC SENTINEL PAPR FULL HOOD	SKR00006FZ
SKYTEC SENTINEL PAPR PREMIUM FULL HOOD	SKR00008FZ
SKYTEC SENTINEL HEADGEAR & AIRDUCT ASSEMBLY	SKR00020BZ

Soft Hood Head tops

& Assemblies



Half Hood

Providing lightweight respiratory protection with head and face coverage. Designed for flexibility and ease of use, it allows the same head harness* to be used across multiple replacement hoods, reducing costs and simplifying maintenance.



Full Hood

The full hood provides comprehensive respiratory protection with head and face coverage, including extended shoulder protection. Designed for comfort and practicality, it allows the same head harness and airduct* to be used with replacement hoods, offering cost efficiency and ease of maintenance.

Variants

Both hoods are available in durable Premium and lightweight Disposable options to suit different applications.

Ball & Socket Hose Connector

Allows the hose to pivot in multiple directions rather than being fixed in one plane.



Air duct Assembly

Sold separately (SKR00020BZ)
Not included with hood

* Head harness and air ducts need to be ordered separately

Filters



● **Particulate Filters**

P3 Particulate Filters SKR00036BZ



Q12026

● **Combined Gas & Particulate Filters**

A2 P3 Combined Filters SKR00037BZ
ABEK2 P3 R Combined Filters SKR00038BZ

Configurator



Sentinel Select PAPR CONFIGURATOR

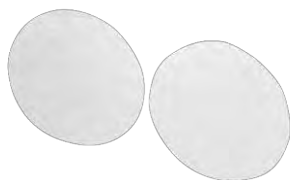
In 5 simple steps, you can build a complete PAPR kit that matches your application, environment and user needs. Starting with the starter kit, choose your head-top, filters, accessories and packaging to create a solution that's fully tailored to your requirements.

- Simple 5-step guided process
- Build a PAPR kit tailored to your requirements
- Builds confidence in the final kit configuration
- Ensures the right protection for each application
- Helps standardise selections and reduce order errors



The screenshot shows the 'Sentinel Select' configurator interface. On the left, under 'Choose your: Headtop', there are five options: 'Sentinel PAPR Faceshield' (VIEW), 'Sentinel PAPR Helmet' (VIEWING), 'Sentinel PAPR Half Hood' (VIEW), 'Sentinel PAPR Full Hood' (VIEW), and 'Sentinel PAPR Premium Full Hood' (VIEW). The 'Sentinel PAPR Helmet' option is currently selected. The main area displays a 3D model of the helmet with a filter attachment. Below the model, the text reads: 'Skytec Sentinel PAPR Helmet with Earmuff attachment TH3. A lightweight and well-balanced solution that provides face and brow protection. The flip-up design allows users to switch between protected and open-view modes without removing their PPE. The standard clear visor can be exchanged for amber, shade 3 and shade 5 variants.' There are two buttons: 'ADD TO CONFIGURATION' and 'GO TO NEXT STEP'. On the right, the 'Your current Configuration' section shows: 'STARTER KIT: Sentinel PAPR Starter Kit', 'HEADTOP: Not chosen', 'FILTERS: Not chosen', 'ACCESSORIES: Not chosen', and 'PACKAGING: Not chosen'. At the bottom right, it indicates '1 of 5 steps complete'.

Accessories



Pre-Filter

Designed to extend the service life of the main filter by capturing larger airborne particles and contaminants before they reach the primary filtration stage.

SKR00021BZ



Pre-Filter Cover

Supplied as a pair, the replacement Pre-Filter covers securely hold pre-filters in place, preventing premature clogging of the main filter and extending system life

SKR00012BZ



Standard Battery

Designed to deliver consistent power output and reliability in demanding environment

SKR00013BZ



High-Capacity Battery

offering enhanced endurance for long-duration tasks and demanding work environments.

SKR00014BZ



Charger UK & EU

Supplied with both UK and EU plug options, it ensures compatibility across multiple regions

SKR00022BZ



Standard Hose

The Standard Hose (non-self-adjusting) is a replacement component within the Sentinel Powered Air Purifying Respirator (PAPR) system

SKR00015BZ



Flexi-Hose

The Skytec Sentinel Flexi-hose is a replacement component within the Sentinel Powered Air Purifying Respirator (PAPR) system

SKR00016BZ



Tear off Visor

Provide quick and convenient protection for Sentinel PAPR visors, helping to maintain clear vision and extend visor life

SKR00013BZ



Comfort Belt

Designed to enhance user comfort and stability, reducing strain during extended wear

SKR00018BZ



Decontamination Belt

Designed for use in environments where regular cleaning and decontamination are required.

SKR00019BZ

Accessories



Shade 3 Visor

The Sentinel Shade 3 Visor is designed to provide enhanced eye protection against bright light and glare
SKR00032EZ



Shade 5 Visor

The Sentinel Shade 5 Visor provides advanced eye and face protection for applications involving high-intensity light
SKR00033EZ



Amber Visor

The Sentinel Amber visor enhances visibility and contrast in low-light or indoor environments
SKR00034LZ



Premium Holdall

The Skytec Sentinel Premium Carry Holdall provides a durable and convenient storage and transport solution
SKR00035BZ



Headgear for Faceshield

Replacement headgear for Sentinel PAPR Faceshield . Ideal for routine replacement or multi-user operations
SKR000



Hose Sheath FR

Manufactured from flame-retardant (FR) material, it safeguards the hose from sparks, splashes, and mechanical wear in high-risk environments.
SKR00025BZ



Hose Sheath Plastic

Designed for contamination control, it helps maintain system cleanliness by preventing direct contact with dust, paint spray, and other airborne particles.
SKR00026KZ



Faceshield Face Seal

Easy to remove and replace, the face seal supports regular maintenance and hygiene practices
SKR00028BZ



Helmet Face Seal

Easy to remove and replace, the face seal supports regular maintenance and hygiene practices
SKR00029BZ



Spare Clear Visor

The Sentinel Spare Visor is a replacement component designed to maintain clear vision and reliable protection
2 Pack - SKR00030KZ
5 Pack - SKR00031KZ