



## **P3 PROTECT HALF MASK RESPIRATOR**

**Award-winning, sustainable RPE**

*Protect yourself, protect others, protect the planet*



# PRODUCT FEATURES

## *P3 Protect half mask respirator*

Respiratory Protective Equipment (RPE), that is **responsibly carbon neutral**

- ✓ **Inhalation filtration 99.99%**
- ✓ **Soft and flexible, medical-grade TPE**
- ✓ **Exhalation filtration 99.6%**
- ✓ **Reusable and recyclable**

### **The only P3 with Patent pending filtered air technology**

Ideal for wearers of glasses, eye protection and surgical loupes  
Comfortable and lightweight, low profile for better field of vision  
Innovative design, acoustic tested  
Silicone-free, odour-free, latex-free

### **UKCA 766358 and CE 766356, BSI certified to EN 1827:1999**

P3 Protect comes in three adult sizes: small, medium, and large  
Acoustic tested to enable clearer, certified communication

Simple decontamination procedure, with readily available products  
Effortless to maintain and reduce the risk of contamination  
Responsible choice for medical staff and others working in high-risk environments  
Total respiratory protection with reusability and recyclability in mind

Adjustable elasticated head and neck strap with TPE comfort pad  
Mechanical type pleated synthetic filter media with TPE overmold  
Storage life 5 years for mask and filters  
Product certification FM P3 NR D is not fitted with filtered exhalation  
Registered Designs Act 1949, Design numbers: 6291347 and 6291346



## PERFORMANCE BENEFITS

Protect yourself against particulates such as bacteria, aerosols, and airborne particles  
 Protect others responsibly with **filtered exhalation** for comprehensive safety  
 Protect the planet by using recyclable and reusable materials

Patent pending technology helps ensure the safety of the wearer and others around them

**Space saving filter innovation** Reduce your carbon footprint

Be part of changing the face of RPE with **COP26 Net Zero Award-winning** innovation  
 Sustainable materials with injection molding means minimal waste  
 Reusable facepiece with detachable, replaceable filters

ITEM	P3 Protect	Other P3s	FFP3
Inhalation filtration	99.99%	99.95-99.99%	99%
Exhalation Filtration	Upto 99.6%	0-2%	99-99.5%
Comfort	Soft and flexible, hypoallergenic medical grade TPE	Less yield, heavier, less breathable, skin irritation	Rigid, skin irritation
Glasses wearers	Yes	Some	With fogging
Usage	Reusable	Reusable	Single use

# P3 PROTECT RESPIRATOR - USAGE INSTRUCTIONS

P3 Protect is an approved half mask respirator designed for use in conjunction with ProtectIn (NR and NR D) particulate and ProtectOut exhalation filters.

## PROPER FITTING

- Before use, inspect mask and components, checking for any damage or defects
- Ensure a competent person assesses the intended application and atmosphere
- Remove any facial hair that may hinder an effective seal

## ADJUSTMENT GUIDELINES

- Place the mask on the face, covering inhalation ports to check for leaks. Adjust if necessary for an airtight seal
- Inspect and correctly replace filters in accordance with provided instructions
- Secure the mask using the adjustable straps for a comfortable fit

## FILTER REPLACEMENT

- Visually inspect P3 filters before each use and replace immediately if breathing resistance increases
- Follow the instructions provided with replacement packaging for filter changes

## CLEANING AND MAINTENANCE

- Always remove filters before any maintenance procedures and avoid washing them
- Use a soft cloth treated with neutral detergent to wipe the mask's surfaces
- After decontamination, check the seal before reuse and log all maintenance activities

## SAFETY PRECAUTIONS

- Store masks and filters in a dry, uncontaminated atmosphere within the specified temperature range
- Discard products reaching their shelf-life date
- Follow warnings and limitations, avoiding use in unknown or unsuitable atmospheres, and ensuring an effective seal is achieved before use



**TABLE 1 – PRODUCT IDENTIFIERS AND APPLICABLE STANDARDS**

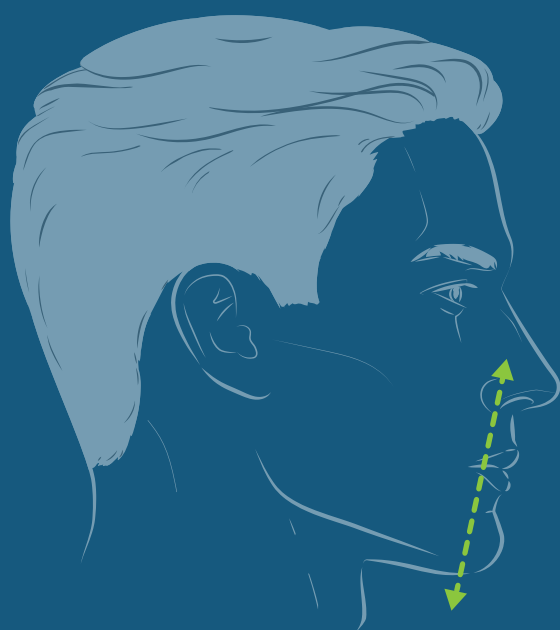
Product Code	Description	Filter Designation	Ref Standard
A140	P3 Protect Small half-mask with Exhalation filter	FM P3 NR	EN 1827:1999/A1
A141	P3 Protect Medium half-mask with Exhalation filter	FM P3 NR	EN 1827:1999/A1
A142	P3 Protect Large half-mask with Exhalation filter	FM P3 NR	EN 1827:1999/A1
A143	P3 Protect Small half-mask	FM P3 NR D	EN 1827:1999/A1
A144	P3 Protect Medium half-mask	FM P3 NR D	EN 1827:1999/A1
A145	P3 Protect Large half-mask	FM P3 NR D	EN 1827:1999/A1
A146 + A147	Filter set: 2 x ProtectIn (Particulate filter) and 30 x ProtectOut (Exhalation filter)	FM P3 NR D and N/A EN	EN 1827:1999/A1 and EN 14683:2019 - 5.2.2, 5.2.5
A148	ProtectIn (Particulate filter) set (2 units)	FM P3 NR D	EN 1827:1999/A1
A149	ProtectOut filter set (30 units)	N/A EN	EN 14683:2019 - 5.2.2, 5.2.5

NB: Always check prior to use to ensure that your selection for the intended application meets national requirements.

## SIZE GUIDELINES FOR P3 HALF MASK RESPIRATOR

The dimension the user would need to measure is indicated below

Length	Mask size
9 - 11.5cm	S
11.5 - 12.5cm	M
12.5 - 13cm	L



Length (mm)	Mask Drop (mm)		
	S	M	L
90	- 7.2	-14	-21.1
95	- 2.2	-9	-16.1
100	2.8	-4	-11.1
105	7.8	1	-6.1
110	12.8	6	-1.1
115	17.8	11	3.9
120	22.8	16	8.9
125	27.8	21	13.9
130	32.8	26	18.9
135	37.8	31	23.9

# INDUSTRY APPLICATIONS

## HEALTHCARE

Complete respiratory protection. Highest filtration for wearers and patients. Medical grade comfort for loupes and glasses wearers. Reusable and all-round better performance than FFP3.

## OIL & GAS

Breathe easy with low resistance and highest filtration in the toughest environment, guaranteeing superior defence against hazardous airborne particles, ideal for demanding conditions.

## CONSTRUCTION

Building a safer tomorrow. Blend comfort, safety, and filtered exhalation, providing reliable protection and ease of use, and low profile helping wearers with visors and helmets in challenging environments.

## FOOD SAFETY

Guard food quality and safety. Filtered exhalation ensures contaminant-free air circulation, offering unparalleled advantages and impeccable air quality.

## MANUFACTURING

Responsible safety is our product. Innovative design upgrades provide a combination of superior protection and breathability.

## HEALTH & SAFETY

Surpass your standards. Comprehensive safeguarding, including filtered exhalation ensures contaminant-free air circulation, exceeding the capabilities of standard P3 masks and FFP3s. Optimal protection and comfort, meeting the stringent requirements of health and safety protocols across industries.

## PHARMACEUTICALS

Precision protection with advanced filtration technology, complemented by filtered exhalation improves higher air quality circulation. Maintain optimum standards.

## AGRICULTURE

Carbon neutral mask designed to protect our planet. Filtered exhalation feature ensures contaminant-free air circulation with flexible and lightweight comfort.

## WASTE MANAGEMENT

Manage waste safely. Sustainable materials and filtered exhalation provide a distinct advantage over standard P3 masks and FFP3s. Optimal protection and low breathing resistance for challenging environments.

## CHEMICAL PROCESSING

Innovative solution for chemical challenges delivers patent-pending air filtration technology. Benefit from the additional layer of defence against airborne contaminants.

## PAINTING & COATING

Respiratory excellence for vibrant results. A cost-effective solution with maximum safety features, excellent visibility and comfort including for those wearing eye protection.



# SUSTAINABILITY STATEMENT

## Product Life-cycle

### 01 Raw Materials

**Technical & Biological Cycles**  
Components are manufactured from recyclable or reusable materials



### 02 Manufacturing

**Various Processes**  
Low energy, minimal waste injection moulding manufacturing.  
Product is assembled and packaged.  
Packaging is created from recyclable and reusable materials.

### 03 Distribution

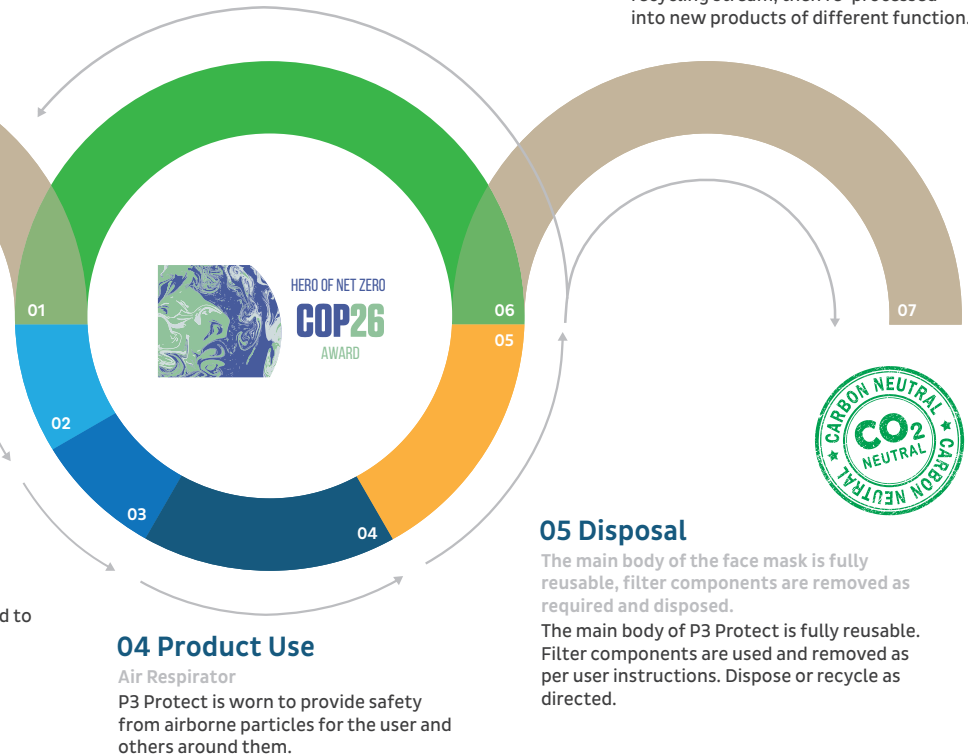
**Sea, Air & Road Freight**  
Final products are shipped to countries of sale and distributed to distribution warehouses.

### 06 Product Re-use

**Face mask Body**  
The P3 Protect main body is reused indefinitely by the user. When broken or no longer required, the product is placed into the recycling stream.

### 07 Recycling

**Cascade Recycling**  
Product and materials can be fully separated by mechanical separation. Materials are reused or placed into the recycling stream, then re-processed into new products of different function.



### 05 Disposal

The main body of the face mask is fully reusable, filter components are removed as required and disposed.  
The main body of P3 Protect is fully reusable. Filter components are used and removed as per user instructions. Dispose or recycle as directed.

### 04 Product Use

**Air Respirator**  
P3 Protect is worn to provide safety from airborne particles for the user and others around them.

Our revolutionary P3 half mask respirator is designed to **minimize your carbon footprint** while ensuring market leading protection.

Our respirator drastically **reduces waste and emissions**, making it an eco-friendly and cost-effective solution for your business.

P3 Protect boasts a durable build that can be reused countless times, with replaceable inhalation filters that can be used up to 30 times.

Emphasising a holistic approach to sustainability, our product's predominant recyclability is coupled with an enduring strap. At the end of the mask's lifecycle, the rest of the unit can be easily recycled or downcycled, further lowering its environmental impact.

By prioritizing both environmental consciousness and user satisfaction, our P3 half mask respirator epitomizes a harmonious blend of eco-friendliness and ergonomic design, fostering a **safer today and greener tomorrow** for all.

Compared to the staggering carbon footprint of 1 million FFP3 masks, our P3 half mask respirator demonstrates a **significantly reduced environmental impact**, up to 30% reduction in CO2 emissions throughout its life cycle.

By choosing our product, you're not just investing in superior protection but also making a substantial contribution to a more sustainable future.

Join the movement towards sustainability and efficiency with our P3 half mask respirator - **where performance meets environmental responsibility.**

We are committed to **sustainability and carbon neutrality.**

Our responsible manufacturing adheres to rigorous eco-friendly practices, reflecting our dedication to global environmental preservation. We offset our unavoidable emissions with high-impact carbon credits from Gold Standard-certified projects: [www.goldstandard.org](http://www.goldstandard.org).

As the most rigorous climate standard, endorsed by some of the world's leading NGOs, it means that every credit we spend offsetting creates more value for local communities and ecosystems and contributes in a measurable way.

How would you like to save on product costs, distribution, transportation, logistics and do your bit for the planet?

By choosing to purchase a P3 Protect, you **reduce the impact on the environment** and also help to support local communities. These include sustainable development benefits like providing safe drinking water, protecting forests, improving health and creating local jobs. This helps to reduce your scope 3 emissions, move the world to a low-carbon economy and a more sustainable future. These are positive steps on our journey to Net Zero.



**Gold Standard**  
*Climate Security & Sustainable Development*





# CERTIFICATIONS AND COMPLIANCE

P3 Protect half mask respirators are in conformity with the relevant Statutory Requirements:

The Personal Protective Equipment Regulations 2016/425

The following designated standards and technical specifications have been applied:

EN 1827:1999+A1:2009

The Notified Body: BSI (2797) performed the EU Type Examination (Module B) and issued the EU Type Examination Certificate: British Standards Institution (BSI) Group, The Netherlands B.V. John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands

The PPE is subject to conformity to type based on Quality Assurance of the production system (Module D) under the surveillance of Notified Body: BSI (2797)

AND

The Approved Body: BSI (0086) performed the EU Type Examination (Module B) and issued the EU Type Examination Certificate: BSI, Kitemark Court, Davy Avenue, Knowlhill Milton Keynes MK5 8PP, United Kingdom

The PPE is subject to conformity to type based on Quality Assurance of the production system (Module D) under the surveillance of Approved Body: BSI (0086)

Size available: NA-003 Medium (M) with exhalation filter - FM P3 NR

NA-003-NF Medium (M) without exhalation filter - FM P3 NR D

Filters: NM-SA006 P3 particulate filter

NM-SA002 Exhalation filter

## PROUDLY SUPPORTED BY AND WORKING WITH...

University of Hertfordshire **UH**



Health Innovation East

Health Innovation  
North East and North Cumbria



# CONTACT DETAILS

When you purchase a P3 Protect you're championing change. You're joining a community with shared values and upgrading your respiratory protective experience. You're asking to be protected whilst protecting yourself, others and the planet.



**P3 Protect is a Hygiene  
UK product.**

Hygiene UK Ltd  
President Park,  
President Way, Sheffield,  
S4 7UR, United Kingdom

**Let's connect!**

Tel : 0114 2213344  
Email:  
[hello@hygiene-uk.com](mailto:hello@hygiene-uk.com)

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