

# GVS



FILTER TECHNOLOGY

## Respiratory Protection





# GVS FILTER TECHNOLOGY



HEALTHCARE  
LIFE SCIENCES



AUTOMOTIVE  
SAFETY



APPLIANCE



COMMERCIAL & INDUSTRIAL  
MEMBRANES

The GVS Group is one of the world's leading manufacturers of microfiltration devices. GVS Filter Technology produces a wide range of filters and components, including GVS innovative in-house filtration media development, covering many applications in the Healthcare, Life Sciences, Automotive, Appliance, Safety, Chemical & Carbon, Cosmetic and Building applications. GVS Safety Filtration division provides a custom design and manufacture capability in addition to an already extensive proprietary range. GVS manufacture in several worldwide locations such as China, Brazil, USA, Italy, Romania and UK, having its head office in Bologna, Italy.

# SAFETY

**INNOVATIVE DESIGN, COMPACT PROFILE, REPLACEABLE FILTERS, HYPO-ALLERGENIC MATERIALS  
FOR A UNIQUE KIND OF COMFORT, HESPA™ EFFICIENCY PROTECTION, LOW BREATHING RESISTANCE**

## ●●● COMFORTABLE - LIGHT - COMPACT

The Elipse® range of face masks, designed, developed and made in the UK by GVS, represent a major advance in mask design. As one of the lightest on the market in its class, its ergonomic shape provides maximum visibility to wearers, can safely be worn with goggles, helmets and hearing protection, and the ability to replace filters extends the mask's overall working life. These compact profile masks are made of hypo-allergenic materials and the replaceable filters offer a minimum efficiency of 99,95% or higher at 0,3 microns particle size.

## ●●● FIT THE CONTOUR OF YOUR FACE

Range of extremely lightweight masks that fit perfectly to the face, without hindering the user. The compact profile of the body and filters allows all Elipse® range masks to perfectly seal to the face and ensure the greatest possible field of vision during use, without interfering with other eye or ear protections which users choose to wear. Elipse® come in 2 sizes.

## ●●● SOFT AND HYPO-ALLERGENIC

Unique comfort, thanks to the flexible and soft characteristics of the TPE (Thermo Plastic Elastomer), used in the Elipse® masks, making them very comfortable even for extended use. The materials that make up the mask are odourless and hypo-allergenic, "FDA" compatible, latex and silicone free. Conforms to ISO 109903-10:2010 skin irritation test of facemask.

## ●●● PATENTED TECHNOLOGY

The Encapsulation is a patented technology owned by the GVS Group that enable to produce a compact and light filter capturing the pleated media with a soft TPE ring.

## ●●● HESPA™ P3 FILTERS

High Efficiency Synthetic Particulate Air-filter is a technology used in all Elipse® range that enables the patented "encapsulation" production process. The 7 layers combined filter media is using exclusively mechanical filtration technology, giving the filter guarantee that the efficiency stay above 99,95% during the usage. Those filters are also water-repellent thanks to the nature of those media.

## ●●● PROTECTION AGAINST NANOPARTICULATES

GVS Elipse P3 particulate filters protect against nano particulates, and have been tested down to 40 nanometers (0.04 microns) still giving an efficiency of →99.95%.

**MADE  
IN UK**

**The safe choice**  
**100% of filters are**  
**efficiency tested**





# GUIDE TO RESPIRATORY PROTECTION

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

## ••• TYPES OF FILTERS

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

## ••• TECHNICAL CHARACTERISTICS OF FILTERS

There are various types of particulate dust filters which have different filtration efficiency. Depending on which you choose, you can have the most suitable means of protection against environmental pollution conditions. The airborne particles are retained by the filter by means of mechanical and/or electrostatic action.

In the case of gas filters, substances are retained by the chemical-physical action of the activated carbon contained in the filter, able to adsorb and neutralise contaminants. It is assumed that the efficiency of gas and vapour interception on adsorbent material is 100%, at least until the completion of the capacity of the filter material. For gas filters, we refer to ; time to completion or, rather, the period beyond which the filter is saturated and the pollutant begins to pass through the filter. This 'breakthrough' time depends on the quantity and quality of the adsorbent material used, on the active area of the cartridge, on its filtration capacity against the pollutant and on environmental concentrations and conditions.



## FACE FIT TESTING

Face fit testing is the method used to ensure that a face mask is correctly fitted so that there is no inward leakage of unfiltered air bypassing the edges of the mask. One objective of the test is to confirm that the wearer knows how to correctly fit the mask by adjusting the straps as well as to validate its performance on the user. The second objective is to verify that the wearer uses a product type or size that fits them correctly.

There are two main methods:

- Qualitative: The test subject dons the appropriate RPE, then places a hood over their head creating a chamber. Solution, such as, Bitrex is sprayed into the hood whilst the test subject carries out a number of exercises. The solution should only be tasted if the RPE is poorly fitted.
- Quantitative: The subject is tested via a Portacount that will measure the number of particles in the atmosphere versus the number of particles inside the mask, this allows you to calculate a Fit Factor. This type of test also allows you to accurately compare various models of respirators suitability.



Model	Description	Code	Packaging
	Qualitative Face Fit Kit	SPM002	1 kit per box
	Portacount Face Fit Kit adaptor	SPM414	10 sets per box

## Protection against particulate (dust, mists and toxic fumes)



**DUST:** dust forms when a solid material is broken down into tiny fragments. The finer the dust, the higher the risk.



**MISTS:** mists are tiny droplets that are formed from liquid materials by atomisation and condensation processes, such as spray painting.



**FUMES:** fumes are formed when a solid material is vaporised by the high heat. The vapour cools quickly and condenses into very fine particles.

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

### Classes of efficiency of dust respirators

Classes of efficiency of dust respirators	Minimum total filtration efficiency
P1	80%
P2	94%
P3	99,95%

### NPF Max external concentration

NPF	Max external concentration
4	Up to 4 x TLV
10	Up to 10 x TLV
40	Up to 40 x TLV






Anti-dust filters are distinguished by the colour WHITE.

## Protection against gases and vapours



Gases and vapours are molecules so small that they penetrate particulate filters. You need to use a gas cartridge filter against these.

The Elipse gas or combined gas and particulate respirators provide specific protection to the user by physical or chemical adsorption, withholding the harmful substances that are distinguished by identifying letters and colours:

Type	Protection	Class
 A	organic gases and vapours with a boiling point above 65°C	1, 2
 B	inorganic gases and vapours (excluding carbon monoxide)	1, 2
 E	sulphur dioxide and other acidic gases and vapours	1, 2
 K	ammonia and organic ammonia derivatives	1, 2
 AX	certain organic gases and vapours with a boiling point ≤ 65 °C. For single use only.	


There are different protection classes for each type of gas filter, depending on the amount of contaminants that the filter is able to adsorb. The choice is therefore determined by the predicted concentration of the pollutant:

Class	Capacity	Limit of use
1	low	1,000 ppm
2	medium	5,000 ppm

Combined filters (gas and particulate), besides the colour of the specific gas/es, include a white band and their marking shows all the distinctive letters with their relative efficiency classes.

# GUIDE TO CHOOSING RESPIRATORY AND FILTERS



INDUSTRY	HARMFUL SUBSTANCE / RISK	Suggested Filter			
		P3	P3 nuisance	A1P3	B1P3
 <b>Agriculture</b>	Grain Dust	✓			
	Pesticides				
 <b>Automotive</b>	Paint Vapour until 5000ppm				
 <b>Construction</b>	Silica Dust	✓			
	Paint Vapour until 1000ppm			✓	
	Asbestos	✓			
	Moulds		✓	✓	
	Concrete Dust	✓			
 <b>Building Materials</b>	Stone Dust	✓			
	Aggregate Dust	✓			
	Wood Dust	✓			
	Cement Dust	✓			
 <b>Food</b>	Poultry	✓			
	Powders (Dairy)	✓			
 <b>Manufacturing</b>	Glass Fibres	✓			
	Cyclohexane				
	Composite Fibres	✓			
	Solvents			✓	
	Lead Fumes	✓			
	Chlorine				✓
	Formaldehyde				✓
	Sulfuric Acid (gas only)				
	Sulfuric Acid (powder)				
	Amonia based chemicals				
 <b>Mining</b>	Coal Dust	✓			
	Silica Dust	✓			
 <b>Welding and Metal Industry</b>	Metal (any)	✓	✓		
	Painted metal (repair)			✓	

This is only a guideline that will recommend the lowest level of protection suitable, and for only one contaminant at a time.





Suggested Filter					
A1	AE1	E1	A2P3	ABEK	ABEK P3
			✓		
			✓		
✓	✓			✓	
✓	✓		✓		✓
					✓
	✓	✓			✓
				✓	
			✓		

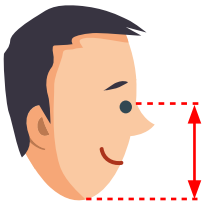
It is the responsibility of the user to choose the adequate protection for the workplace.

For more detailed information please contact your sales advisor locally.

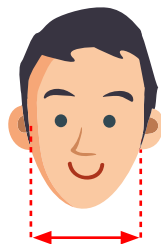
# GVS ELIPSE MASKS SIZE GUIDE

## Face Length

Distance from the bridge of your nose to the point of your chin



128.5 mm - 138.5 mm	M/L	M/L	M/L
118.5 mm - 128.5 mm	S/M	M/L	M/L
108.5 mm - 118.5 mm	S/M	S/M	M/L
98.5 mm - 108.5 mm	S/M	S/M	S/M
	120.5 mm - 133 mm	133 mm - 146 mm	146 mm - 158.5 mm



## Face Width

Distance between the Zygomatic Arches

\*Note: Size Chart is a guide only, correct sizing and fitment (fit) must be qualified using either a quantitative or qualitative face fit test in accordance with national / local regulations.





FILTER TECHNOLOGY

**elipse**

Designed to fit  
the contours  
of your face



# ELIPSE DUST MASK - P3 HESPA™

With replaceable filters for dust, fumes and mists



130 g!



## ••• DESCRIPTION

Compact, lightweight and flexible design which adapts and fits perfectly to the face and offers a full range of vision without interfering with other eye or ear protections which users choose to wear. Large central non-return valve which allows for a reduction of breathing resistance for the user and keeps moisture build-up inside the mask to a minimum. Lightweight, non-slip strap that is easily adjusted in 4 positions for improved comfort and to allow safe use even in high humidity or wet conditions. Elipse® come in 2 sizes.

## ••• PROTECTION PROPERTIES

Effective against dust and fumes containing substances such as micro-organisms, marble, gypsum, titanium oxide, soapstone, rock wool, wood, detergents, textile fibres, spices, salt, feed, etc. ...

Protects against dust that can cause lung disease. In particular, protects against coal, silica, cotton, iron ore, graphite, kaolin, zinc, aluminium dusts. Protects against harmful dusts such as asbestos, bauxite, coal, silica, iron, and against toxic dusts such as manganese, lead and chromium.

Pleated, interchangeable P3 filters have a minimum efficiency of 99,95% at 0,3 microns and a breathing resistance of 3 mbar at a flow rate of 47,5 l/min for each filter.

## ••• APPLICATION

Mining, steel mills, foundries, mechanical, pharmaceutical, cement, glass, ceramics, chemicals, textile industries, shipyards, battery manufacturing, waste management, construction, heavy metals (lead, nickel, chromium), rail industry.

## ••• CERTIFICATIONS

Mask conforms to EN 140:1998

Filters conform to EN 143:2000+A1:2006

Masks and filters are CE certified.

## ••• TYPE OF FILTER / CLASS

HESPA™ (High Efficiency Synthetic Particulate Airfilter) P3 R D > 99,95% (minimum efficiency). Available with an activated carbon pad filter, P3 Nuisance Odour (R D), for removal of small concentration of organic vapours/odors and a higher comfort.

## ••• MATERIALS

The materials used for masks and filters are hypo-allergenic, odourless, medical grade and without latex or silicone.

## ••• BATCH REPORTS

Full traceability of each batch against each material used.

## ••• ON LINE TESTING

100% of filters are efficiency tested with NaCl to ensure the highest performance and quality.

## ••• STORAGE LIFE

Elipse P3 R D : 5 years.

Elipse P3 Nuisance Odour R D : 3 years.



# ELIPSE DUST MASK CHARACTERISTICS

## Dimensions

Mask: 93 x 128 x 110 mm

Filter: 12 x 94 x 50 mm

## Weight

Mask + Filter: 132 g

Mask body: 97,6 g

Filter only 17,2 g each

## Material:

Mask: Medical grade TPE (Silicone free).

Filters: Mechanical type HESPA™

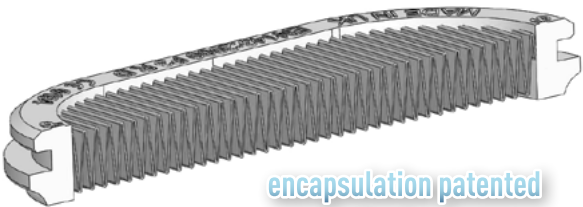
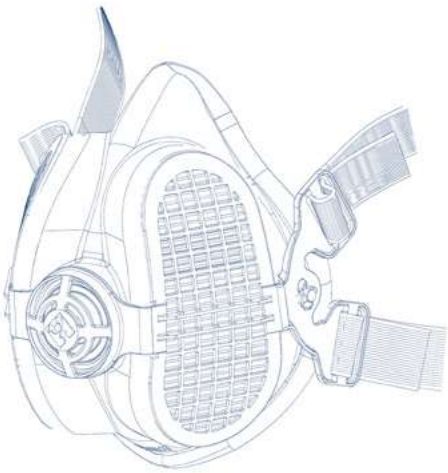
Synthetic media with TPE over molded / encapsulated. Filters are water repellant and re-usable.

## Lifetime:

Filters can be used until fully clogged and / or when the wearer feels uncomfortable. The lifetime will depends on the concentration in the workplace and the activity level. The filtration level will stay constant and superior at 99.95% or greater throughout its use.

The mask is durable and the lifetime depends on the storage and care.

It is advised to use the carry case below.



encapsulation patented technology



Model	Description	Code	Packaging
	Elipse Half Mask complete with P3 filters	SPR299 (S/M) SPR501 (M/L)	10 pcs. per box
	Elipse P3 replacement filters	SPR316	10 sets of 2 pcs. per box
	Elipse Half Mask complete with P3 nuisance odour filters	SPR337 (S/M) SPR502 (M/L)	10 pcs. per box
	Elipse P3 nuisance odour replacement filters	SPR336	10 sets of 2 pcs. per box
	Elipse Dust Mask Carry Case (Belt holder)	SPM001	10 sets per box
	Portacount Face Fit Kit adaptor	SPM414	10 sets per box

**ELIPSE**  
EN 140 + EN 143



**VS**

**DISPOSABLE  
MASKS** EN 149



**COMFORT**



**LEAKAGE**

**<2%**

**<5%**

**>99,95%**

**P3 FILTRATION**

**99%**

**0,3 µm**

**DUST PROTECTION  
MICRON SIZE TESTED**

**0,6 µm**



**DOLOMIT TEST**

**OPTION**



**COST SAVINGS**



Please contact your GVS representative for a cost saving demonstration



# YOUR TRADE SHOP



Model	Description	Code
	Elipse P3 Display	SPM006



FILTER TECHNOLOGY

**elipse**

Low Profile  
Gas and Dust  
filters & masks





# ELIPSE LOW PROFILE GAS & PARTICULATE MASK



## ●●● DESCRIPTION

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

Large central non-return valve which allows for a reduction of breathing resistance for the user and keeps moisture build-up inside the mask to a minimum. Lightweight, non-slip strap that is easily adjusted in 4 positions for improved comfort and to allow safe use even in high humidity or wet conditions. Elipse® comes in 2 sizes.

## ●●● PROTECTION PROPERTIES

The gas cartridges contain specific activated carbon granules with optimised characteristics such as pore size, grain size, activity level, density etc, which provide a maximum adsorption performance and a low breathing resistance. Each respirator is supplied with two gas cartridge filters for the protection against a range of gases, vapours, dust and mists. Once the cartridges are finished, they can be replaced with replacement filters. These offer versatile protection against substances in concentrations up to 1,000 ppm and from dust and mists up to 50 TLV.

## ●●● APPLICATION

- A1P3: Painting, Solvents into Automotive and Shipyard industry or repair.
- B1P3: Manufacturing using Iodine, Chlorine or Formaldehyde such as in insulation, industrial or consumer products, metal separation, microelectronics...

## ●●● CERTIFICATIONS

Mask conforms to EN 140:1998  
Filters conform to EN 14387:2004+A1:2008  
Maintenance Free masks conform to EN 405:2001+A1:2009  
Masks and filters are CE certified.

## ●●● TYPE OF FILTER / CLASS

- A1P3 R D & FFA1P3 R D: For protection against certain organic gases and vapours with a boiling point > 65 °C as specified.
- B1P3: For protection against certain inorganic gases and vapours.
- Containing a P3 HESPA™.

## ●●● MATERIALS

The materials used for masks and filters are hypo-allergenic, odourless, FDA compatible and Non latex or silicone.

## ●●● BATCH REPORTS

Full traceability of each batch against each material used.

## ●●● ON LINE TESTING

100% of filters are efficiency tested with NaCl to ensure the highest performance and quality.

## ●●● STORAGE LIFE:

3 years, for mask and filters.

# ELIPSE LOW PROFILE GAS MASK CHARACTERISTICS

### Dimensions

Mask: 93 x 128 x 140 mm  
Filter: 48,5 x 94,5 x 60 mm

### Weight

Mask + Filter: 257,7 g  
Mask body: 97,6 g  
Filter only 83 g each

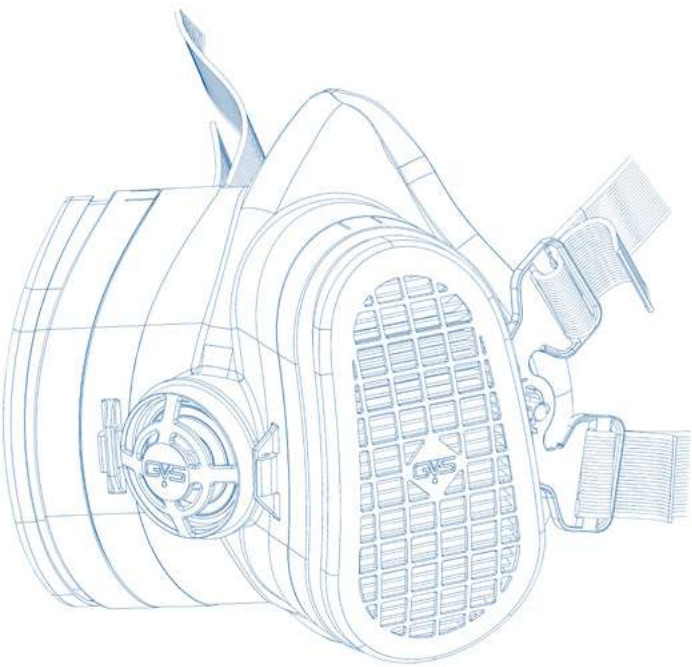
### Material:






Mask: Medical grade TPE (Silicone free).  
Filters:




- Activated carbon with ABS shell.
- Mechanical type HESPA™ Synthetic media with with TPE over mould / encapsulation.

### Lifetime:

Filters can be used until fully clogged and / or the wearer feels uncomfortable or until the activated carbon is exhausted and the wearer can smell / taste the contaminant. The lifetime will depend on the concentration in the workplace and the activity level. The filtration level will stay constant throughout the usage. All masks are supplied with an aluminium zip foil bag for storage to maximize the life expectancy of the activated carbon. The particulate element lifetime can also be increased by usage of our pre-filter kits below.



Model	Description	Code	Packaging
	<b>A1P3</b> Reusable Half Mask for Organic Gases and Dust	SPR338 (S/M) SPR503 (M/L)	10 pcs. per box
	Pair of replacement <b>A1P3</b> Filters	SPR341	6 sets of 2 pcs. per box
	<b>B1P3</b> Reusable Half Mask for Inorganic Gases and Dust	SPR425 (S/M) SPR505 (M/L)	10 pcs. per box
	Pair of replacement <b>B1P3</b> Filters	SPR426	6 sets of 2 filters
	<b>FFA1P3</b> Maintenance Free Half Mask for Organic Gases and Dust Filters can not be replaced	SPR359 (S/M) SPR504 (M/L)	10 pcs. per box

Model	Description	Code	Packaging
	<b>Kit of Prefilter Kits</b> 2 holder and 10 pads	SPM420	10 kits per box
	<b>Kit of Prefilters</b> 20 pads	SPM421	10 kits per box
	<b>GVS Low Profile Half Mask Carry Case</b>	SPM008	10 pcs. per box





FILTER TECHNOLOGY

**elipse**

High Performance  
Gas filters and masks



# ELIPSE HIGH PERFORMANCE GAS & MASK

The complete gas filter range



## DESCRIPTION

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






Cartridge filters with lower breathing resistance, increase in gas performance and greater duration of use.

Easy to adjust headband clip with enhanced retention performance. Elipse® comes in 2 sizes (small / medium & medium / large).

## PROTECTION PROPERTIES

The gas cartridges contain specific activated carbon granules with optimised characteristics such as pore size, grain size, activity level, density etc, which provide a maximum adsorption performance and a really low breathing resistance. Each respirator is supplied with two gas or combined gas & particulate cartridge filters for the protection against a range of gases, vapours, dust and mists. Once the cartridges are finished, they can be replaced with replacement filters. These offer versatile protection against substances in concentrations up to 5,000 ppm and from dust and mists up to 50 TLV.

## APPLICATION

Type	Protection
 A	organic gases and vapours with a boiling point above 65°C
 B	inorganic gases and vapours (excluding carbon monoxide)
 E	sulphur dioxide and other acidic gases and vapours
 K	ammonia and organic ammonia derivatives
 AX	certain organic gases and vapours with a boiling point $\leq 65^{\circ}\text{C}$ . For single use only.

## CERTIFICATIONS

Mask conforms to EN 140:1998

Filters conform to EN 14387:2004+A1:2008

Maintenance Free masks conform to EN 405:2001+A1:2009

Masks and filters are CE certified.

## TYPE OF FILTER

GVS offer two types of High performance filters: with or without Dust protection for the various gases listed.

## MATERIALS

The materials used for masks and filters are hypo-allergenic, odourless, FDA compatible and Non latex or silicone.

## BATCH REPORTS

Full traceability of each batch against each material used.

## ON LINE TESTING

100% of filters are efficiency tested with NaCl to ensure the highest performance and quality.

## STORAGE LIFE

3 years, for mask and filters.



# ELIPSE HIGH PERFORMANCE GAS MASK CHARACTERISTICS

## Dimensions

Mask (straight carbon): 93 X 128 X 175 mm

Mask (with P3 Dust): 93 X 128 X 195 mm

Filter (straight carbon): 85 x 94,5 x 45 mm

Filter (with P3 Dust): 90 x 94,5 x 55 mm

## Weight

Mask + Filter: from 320 to 374 g

Mask body: 100 g

Filter: from 110 to 137 g

## Material:

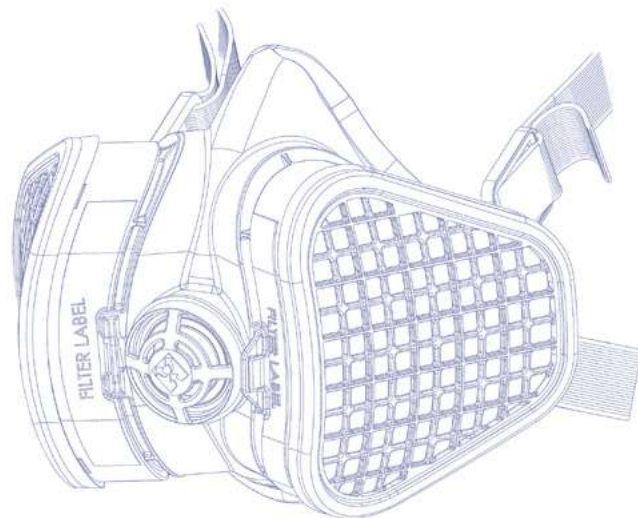
Mask: Medical grade TPE (Silicone free).

Filters:

- Activated carbon with ABS shell.
- Mechanical type HESPA™ Synthetic media with TPE over mould / encapsulation (for combined filters with P3 protection).

## Lifetime:

Filters can be used until fully clogged and / or the wearer feels uncomfortable or until the activated carbon is exhausted and the wearer can smell / taste the contaminant. The lifetime will depend on the concentration in the workplace and the activity level. The filtration level will stay constant all along the usage. All masks are supplied with an aluminium zip foilbag for storage to maximize the life expectancy of the activated carbon. The P3 element is designed for a longer lifetime with double the amount of material usually put in other ranges.

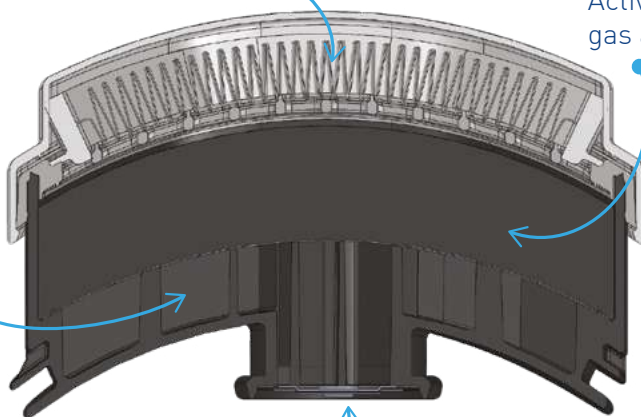


Large 376 cm<sup>2</sup> surface area of HESPA™ P3 media.

Activated carbon for gas adsorption

Structure to help airflow diffusion and full usage of the activated carbon

Large inhalation valve to allow air flow.



Model	Description	Code	Packaging
	A1 Reusable Half Mask for Organic Gases and Vapours until 1000 ppm	SPR511 (S/M) SPR512 (M/L)	10 pcs. per box
	A1 Replacement filters	SPR513	5 sets of 2 pcs. per box
	E1 Reusable Half Mask for Acidic Gases and Vapours	SPR514 (S/M) SPR515 (M/L)	10 pcs. per box
	E1 Replacement filters	SPR516	5 sets of 2 pcs. per box
	AE1 Reusable Half Mask for Acidic and Organic Gases and Vapours	SPR517 (S/M) SPR518 (M/L)	10 pcs. per box
	AE1 Replacement filters	SPR519	5 sets of 2 pcs. per box
	ABEK1 Reusable Half Mask for multiple Gases and Vapours	SPR487 (S/M) SPR488 (M/L)	10 pcs. per box
	ABEK1 Replacement filters	SPR489	5 sets of 2 pcs. per box
	A2P3 Reusable Half Mask Organic Gases and Vapours until 5000 ppm and Dust	SPR495 (S/M) SPR496 (M/L)	10 pcs. per box
	A2P3 Replacement filters	SPR497	5 sets of 2 pcs. per box

Model	Description	Code	Packaging
	ABEK1P3 Reusable Half Mask for multiple Gases and Vapours and Dust	SPR490 (S/M) SPR491 (M/L)	10 pcs. per box
	ABEK1P3 Replacement filters	SPR492	5 sets of 2 pcs. per box
	FFA2P3 (EN405) Maintenance Free Organic Gases and Vapours until 5000 ppm and Dust Filters can not be replaced	SPR498 (S/M) SPR499 (M/L)	10 pcs. per box
	FFABEK1P3 (EN405) Maintenance Free Half Mask for multiple Gases and Vapours and Dust Filters can not be replaced	SPR493 (S/M) SPR494 (M/L)	10 pcs. per box
	Case for replacement P3 filters for High Performance Half Mask	SPM523	10 sets of 2 pcs. per box
	Pair of P3 replacement filters for High Performance Half Mask	SPM524	10 sets of 2 pcs. per box
	GVS High Performance Half Mask Carry Case	SPM009	10 pcs. per box





FILTER TECHNOLOGY

ellipse  
integra

The 3/4 Mask  
system



# ELIPSE INTEGRA COMBINED EYE AND RESPIRATORY PROTECTION

The combined safety



## DESCRIPTION

Compact, lightweight and flexible design which adapts and fits perfectly to the face and offers a unique and innovative combined protection, reducing risks of non-compatibility, non-conformity and mist build up. Large central non-return exhalation valve which reduces the breathing resistance for the user and keeps moisture build-up inside the mask to a minimum. Lightweight, non-slip strap that is easily adjusted in 4 positions for improved comfort and to allow safe use even in high humidity or wet conditions. Elipse® Integra come in 2 sizes.

## PROTECTION PROPERTIES

The lens is designed in Polycarbonate and can withstand 45 m per second impacts. The coating applied meets (N) Anti Fog and exceeds the standard (K) anti-scratch coating seen on the market for a longer durability. Elipse Integra is compatible with the current Elipse® filter range.

## APPLICATION

Type	Protection
A	organic gases and vapours with a boiling point above 65°C
B	inorganic gases and vapours (excluding carbon monoxide)
E	sulphur dioxide and other acidic gases and vapours
K	ammonia and organic ammonia derivatives
AX	certain organic gases and vapours with a boiling point ≤ 65 °C. For single use only.

## CERTIFICATIONS

Integra Mask (Goggle combined) conforms to EN 140:1998  
Integra Mask (Goggle combined) conforms to EN 166:2002  
Particulate filters conform to EN 143:2000+A1:2006  
Gas and combined gas & particulate filters conform to EN 14387:2004+A1:2008  
Integra Masks and filters are CE certified.



## TYPE OF FILTER / CLASS

- HESPA™ (High Efficiency Synthetic Particulate Airfilter) P3 R D >99,95% (minimum efficiency) Available with activated carbon for removal of small concentration of organic vapours/odours and a higher comfort.
- High performance gas and combined gas & particulate cartridge filter range.
- 2.F.K.N marked.

## MATERIALS

The materials used for masks and filters are hypo-allergenic, odourless, FDA compatible and Non latex or silicone.

## BATCH REPORTS

Full traceability of each back against each material used.

## ON LINE TESTING

100% of filters are efficiency tested with NaCl to ensure the highest performance and quality.

## STORAGE LIFE:

- 3 years, for mask and filters for gases
- 5 years, for mask and filters for particulates
- 3 years, for mask and filters for particulates with nuisance odour



# ELIPSE INTEGRA MASK CHARACTERISTICS

## Dimensions

Mask with P3: 170 x 165 x 190 mm  
 Mask with A1P3: 170 x 165 x 190 mm  
 Mask with High Performance:  
 130 x 120 x 195 mm  
 Filter P3: 12 mm x 94 mm x 50 mm  
 Filter A1P3: 48,5 x 94,5 x 60 mm  
 High Performance Filter:  
 95 x 55 x 60 mm

## Weight

Mask with P3: 209 g  
 Mask with A1P3: 324 g  
 Mask with High Performance: 441 g  
 Filter P3: 17,2 g  
 Filter A1P3: 83 g  
 High Performance Filter: 137 g

## Material:

Mask: Medical grade TPE (Silicone free).  
 Goggle lens: Polycarbonate with flow coating for anti-scratch/anti-fog.  
 Goggle face seal: Medical grade TPE (Silicone free).

## Lifetime:

Filters are identical to Elipse® Range and follow the same criteria for lifetime. Filters can be used for both Elipse® and Integra Range.

Model	Description	Code	Packaging
	<b>P3 Elipse Integra</b> Mask for application with Dust only	SPR407 (S/M) SPR406 (M/L)	5 pcs. per box
	<b>P3 replacement filters</b>	SPR316	10 sets of 2 pcs. per box
	<b>P3 Nuisance odour Elipse Integra</b> Mask for application with Dust only	SPR404 (S/M) SPR405 (M/L)	5 pcs. per box
	<b>P3 nuisance odour replacement filters</b>	SPR336	10 sets of 2 pcs. per box
	<b>A1P3 Elipse Integra</b> Mask for application with Organic Gases and Dust	SPR444 (S/M) SPR401 (M/L)	5 pcs. per box
	<b>A1P3 replacement filters</b>	SPR341	6 sets of 2 pcs. per box

Model	Description	Code	Packaging
	<b>ABEK1 Elipse Integra</b> Mask for for multiple Gases and Vapours	SPR538 (S/M) SPR539 (M/L)	5 pcs. per box
	<b>ABEK1 Replacement filters</b>	SPR489	5 sets of 2 pcs. per box
	<b>A2P3 Elipse Integra</b> Half Mask Organic Gases and Vapours until 5000 ppm and Dust	SPR536 (S/M) SPR537 (M/L)	5 pcs. per box
	<b>A2P3 Replacement filters</b>	SPR497	5 sets of 2 pcs. per box
	<b>ABEK1P3 Elipse Integra</b> Mask for for multiple Gases and Vapours and Dust	SPR534 (S/M) SPR535 (M/L)	5 pcs. per box
	<b>ABEK1P3 Replacement filters</b>	SPR492	5 sets of 2 pcs. per box
	<b>Peel off visor x 10</b>	SPM520	50 sets of 10 pcs. per box
	<b>Case for replacement P3 filters for High Performance Half Mask</b>	SPM523	10 sets of 2 pcs. per box
	<b>Pair of P3 replacement filters for High Performance Half Mask</b>	SPM524	10 sets of 2 pcs. per box
	<b>Integra Case</b>	SPM007	5 pcs. per box







# ELIPSE INTEGRA

Integra is tested and approved as one combined respiratory protection to EN 140.  
It is the only half mask approved with permanently fixed safety eyewear





## Foldable Respirators





# GVS SEGRE FOLDABLE MASK LINE

MADE IN UK 

## HIGH QUALITY

We have carefully selected the best materials for each of our masks, to ensure that you will feel satisfied, safe and secure.

## FOLDABLE

Easy to store and supplied individually packaged.

## FREE CHOICE

Masks are available with or without a valve. When you breathe in, the valve closes a latex-free diaphragm, when you breathe out, it opens. The valve releases air downwards, to avoid condensation on glasses etc.

## SAFE

Our masks comply with the requirements in EN 149:2001 + A1:2009. The marking clearly shows the applicable protection class and the certification number that the product has. You can always feel secure that our breathing masks maintain the highest standards.

## SECURE

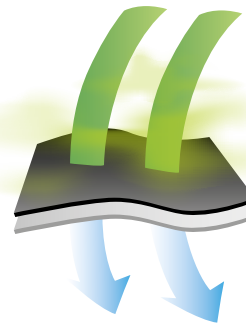
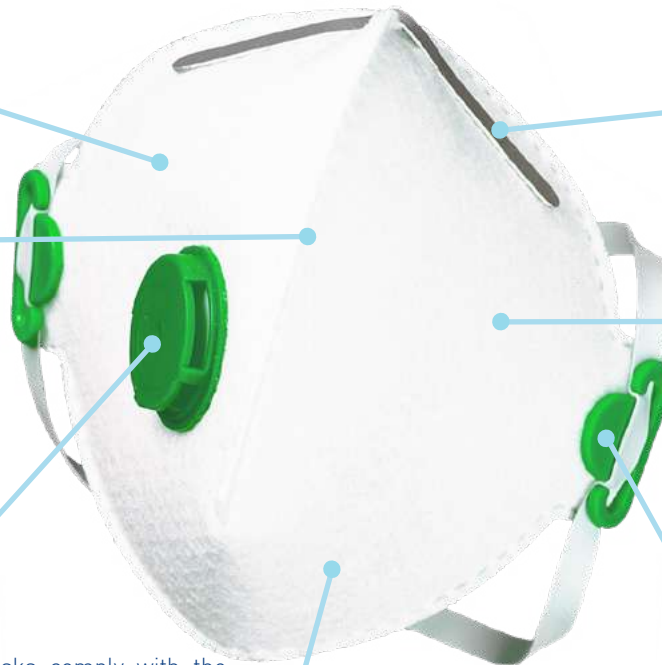
Nose clip on the outside is easy to shape and gives a secure seal. The nose seal on the inside also gives a secure seal. The material is moisture repellant, and soft against the skin.

## REUSABLE

All masks conform to EN 149:2001 + A1:2009 R D and therefore reusable (excluding carbon versions).

## SIMPLE

The buckles which keep the elastic straps in place are designed so that you can easily adjust the length. Quite simply, you can shorten the strap by winding it round the buckle. The straps are made of latex - a free material which is ageing resistant.



Available with  
odour removal layer

# SAFE BREATHING PROTECTION

## DESCRIPTION

Our masks are designed to fit every face perfectly. The elastics that can be adapted to the head and nose clip allows for a hermetic seal that makes it nearly impossible for particles to penetrate the mask. The materials used to manufacture the mask make it comfortable to wear for the worker and reduces heat and humidity. This ensures that it is easy to breathe, and offers a high level of protection.

Masks are delivered folded and individually packed in hygienic plastic bags. This makes it easy to always keep the masks clean.

The shape and design of our masks ensure that they are comfortable, they offer a good field of vision and they have a perfect fit.

The holders of the elastic bands and the valves have different colors to make it easy to recognize what level of protection is worn.

## MATERIALS

GVS Segre's masks have a unique selection of materials which efficiently protect you from breathing in harmful substance.

### 4 Layers Media Filtration



Mechanical Prefilter

Electrostatic Media

Micro Particle Media Filter

TNT Comfort Soft Layer

## CERTIFICATIONS

All masks have been tested with outstanding results, and meet the requirements of European standard EN 149:2001 + A1:2009 by a large margin. All masks are dolomite tested to D, and some are R: reusable.

## APPLICATION

Wood sanding dust, quartz dust, metal particles, polishing dust, chemical dust, clay dust, concrete dust, protection against bacteria and viruses, lighter radioactive dust...

Model	Description	Code	Packaging
	GVS Segre Folded P1 Reusable Mask	F10000	20 pcs. per box X 10
	GVS Segre Folded P1 V Reusable Mask	F10050	15 pcs. per box X 10
	GVS Segre Folded P1 Carbon Disposable Mask	F10005	20 pcs. per box X 10
	GVS Segre Folded P1 Carbon Valve Disposable Mask	F10055	15 pcs. per box X 10
	GVS Segre Folded P2 Reusable Mask	F20000	20 pcs. per box x 10
	GVS Segre Folded P2 Valve Reusable Mask	F20050	15 pcs. per box X 10
	GVS Segre Folded P2 Carbon Valve Disposable Mask	F20055	15 pcs. per box X 10
	GVS Segre Folded P3 Reusable Mask	F30000	15 pcs. per box X 10
	GVS Segre Folded P3 Valve Reusable Mask	F30050	15 pcs. per box X 10
	GVS Segre Folded P3 Carbon Valve Disposable Mask	F30055	15 pcs. per box X 10



# GVS CUP MASK LINE

Comfortable, Light, Ultra-compact

## LOW PROFILE

To maintain a clear field of vision.

## PRE-FORMED

Rigid cupmask in individual hygienic bag

## VALVE

Large exhalation valve faced downwards to avoid condensation on glasses and offers increased comfort.

## METAL FREE

There is no nose clip. The GVS Cup mask is ergonomically designed to eliminate the need for a nose clip and provide a good face seal.

## REUSABLE

Conforms to EN 149:2001 + A1:2009 R - reusable and D - dolomite dust tested.

## ADJUSTABLE

The buckles which keep the elastic straps in place are designed so that you can easily adjust the length, in 4 points.



## COMFORT SEAL

In very soft anti-allergic material

# GVS CUP MASK CHARACTERISTICS

## DESCRIPTION

GVS filter respirators without a nose clip are characterized by high filtration efficiency, unique comfort, low weight.

## ADVANTAGES

The innovative design of the GVS half mask respirator eliminates the need for a nose clip. Time-consuming fitting of the half-mask respirator to the user's face has been eliminated and the effect of fogging of the goggles reduced. GVS half mask respirators have no metal elements. Thanks to fitting in an exhaust valve breathing resistance is very low.

## CERTIFICATION






All masks have been tested with outstanding results, and meet the requirements of European standard EN 149:2001 + A1:2009 by a large margin. All masks are dolomite tested to D. DME3031 Mask is also certified as reusable (R) and supplied in individual bag.

## APPLICATION

Wood sanding dust, quartz dust, metal particles, polishing dust, chemical dust, clay dust, concrete dust, protection against bacteria and viruses, lighter radioactive dust...



The GVS Cup mask is designed to eliminate the need of a nose clip by an ergonomic design fitting most peoples faces.

Model	Description	Code	Packaging
	GVS FFP3 Valved Reusable Mask	DME3031	5 pcs. per box X 16
	GVS FFP2 Valved Disposable Mask	DME2011	15 pcs. per box X 24
	GVS FFP2 Disposable Mask	DME2010	20 pcs. per box X 24
	GVS FFP1 Valved Disposable Mask	DME1011	15 pcs. per box X 24
	GVS FFP1 Disposable Mask	DME1010	20 pcs. per box X 24







FILTER TECHNOLOGY

SAVE  
YOUR  
BREATH

[www.gvs.com](http://www.gvs.com)



# GVS Worldwide

## FILTER TECHNOLOGY

### Trademarks:

HESPA™ and Elipse® are trade marks of GVS.  
The pleat encapsulation filter technology used in this face mask is patented.  
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