



FILTER TECHNOLOGY



**RESPIRATORY PROTECTION**

# GVS FILTER TECHNOLOGY

The GVS Group is one of the world's leading manufacturers of filter solutions for applications in the Healthcare & Life Sciences, Energy & Mobility and Health & Safety sectors. GVS technology promotes health and safety in highly regulated environments. Throughout its 40-year history, GVS has evolved from a supplier of components for the healthcare sector to a global Group that provides a range of diversified, high-tech filtration solutions.



# 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, represents 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. The ability to replace the 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 CONTOURS OF YOUR FACE

A 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 protection which users are required to wear. Elipse® comes 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.

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

## PATENTED TECHNOLOGY

The Encapsulation is a patented technology owned by the GVS Group which enables the production of a compact and lightweight filter capturing the pleated media with a soft TPE ring.

## HESPA™ P3 FILTERS

"High Efficiency Synthetic Particulate Air Filter" (HESPA) is a technology used in all of the Elipse® range, which gives the patented "encapsulation" production process. The 7 layers of combined filter media uses exclusive mechanical filtration technology, guaranteeing the filter efficiency will remain above 99.95% during use. The filters are also water repellent thanks to the nature of the media.

## PROTECTION AGAINST NANO PARTICULATES

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%.



# GUIDE TO RESPIRATORY PROTECTION

## TECHNICAL CHARACTERISTICS OF FILTERS

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.

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

## TYPES OF FILTERS

Dust filters are designed to be able to retain airborne particulates and are offered in various constructions, each enhancing the filter's characteristics with use of various types of filter material with different thickness, porosity and types of finish. This enables them 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.

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 capacity of the filter material is reached. 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. The first 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.

**DO YOU WANT A FACE FIT? CONTACT US TO FIND OUT ABOUT OUR FACE FIT TESTING SERVICE.**



**SPM002**  
Qualitative Face Fit Kit



**SPM414**  
Portacount Face Fit Kit adaptor



## 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	NPF	Max external concentration
P1	80%	4	Up to 4 x TLV
P2	94%	10	Up to 10 x TLV
P3	99,95%	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	ABE1P3
 Agriculture	Grain Dust	✓				
	Pesticides			✓		✓
 Automotive	Paint Vapour until 5000ppm					
 Construction	Silica Dust	✓				
	Paint Vapour until 1000ppm			✓		✓
	Asbestos	✓		✓		✓
	Moulds		✓	✓		✓
	Concrete Dust	✓				
 Building Materials	Stone Dust	✓				
	Aggregate Dust	✓				
	Wood Dust	✓				
	Cement Dust	✓				
 Food	Poultry	✓				
	Powders (Dairy)	✓				
 Manufacturing	Glass Fibres	✓				
	Cyclohexane			✓		✓
	Composite Fibres	✓				
	Solvents			✓		✓
	Lead Fumes	✓				
	Chlorine				✓	✓
	Formaldehyde				✓	✓
	Sulfuric Acid (gas only)					✓
	Sulfuric Acid (powder)					✓
	Ammonia based chemicals					
 Mining	Coal Dust	✓				
	Silica Dust	✓				
 Welding and Metal Industry	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.



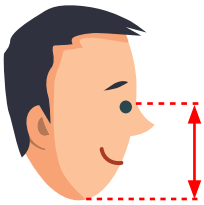
Suggested Filter					
A1	AE1	E1	A2P3	ABEK	ABEKP3
			✓	✓	✓
			✓		
✓	✓		✓	✓	✓
✓	✓		✓		✓
					✓
	✓	✓		✓	✓
				✓	✓
				✓	✓
				✓	✓
			✓		✓

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

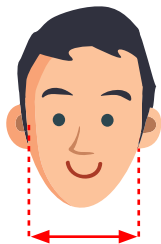
Distance from the bridge of your nose to the point of your chin



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 determined using either a quantitative or qualitative face fit test in accordance with national / local regulations.





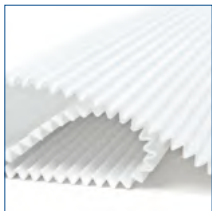
FILTER TECHNOLOGY

Designed to fit  
the contours  
of your face



# ELIPSE DUST MASK - P3 HESPA™

With replaceable filters for dust, fumes and mists



## 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 protection which users are required to wear. Large central non-return valve means lower 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, animal feeds, 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.

## 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 : 5 years.



### Dimensions

Mask: (S/M) 95 x 126 x 106 mm  
(M/L) 95 x 133 x 106 mm  
Filter: 12 x 94 x 50 mm

### Weight

Mask + Filter: (S/M) 130 g; (M/L) 138 g  
Mask body: 94 g  
Filter only 18 g each

### Material:

Mask: Medical grade TPE (Silicone free).  
Filters: Mechanical type HESPA™  
Synthetic media with TPE over molded / encapsulated. Filters are water repellent and re-usable.

### Lifetime:

Filters can be used until fully clogged and / or when the wearer feels uncomfortable. The lifetime will depend 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.



**SPR299 (S/M) SPR501 (M/L)**  
Elipse Half Mask  
complete with P3 filters

**SPR316**  
Elipse P3  
replacement filters



**SPR337 (S/M) SPR502 (M/L)**  
Elipse Half Mask complete with  
P3 nuisance odour filters

**SPR336**  
Elipse P3 nuisance  
odour replacement filters



**SPM001**  
Elipse Dust Mask Carry  
Case (Belt holder)



**SPM414**  
Portacount Face  
Fit Kit adaptor

**ELIPSE**  
EN 140 + EN 143



**VS**



**DISPOSABLE MASKS**  
EN 149



**COMFORT**



<2%

**LEAKAGE**

<5%

>99,95%

**P3 FILTRATION**

99%

0,3 µm

**DUST PROTECTION**  
MICRON SIZE TESTED

0,6 µm



**WASTE REDUCTION**



**COST SAVINGS**



Please contact your GVS representative for a cost saving demonstration



# EVER WONDER ABOUT THE LIFESPAN OF YOUR DUST FILTERS?

% LIFESPAN



100%



40%

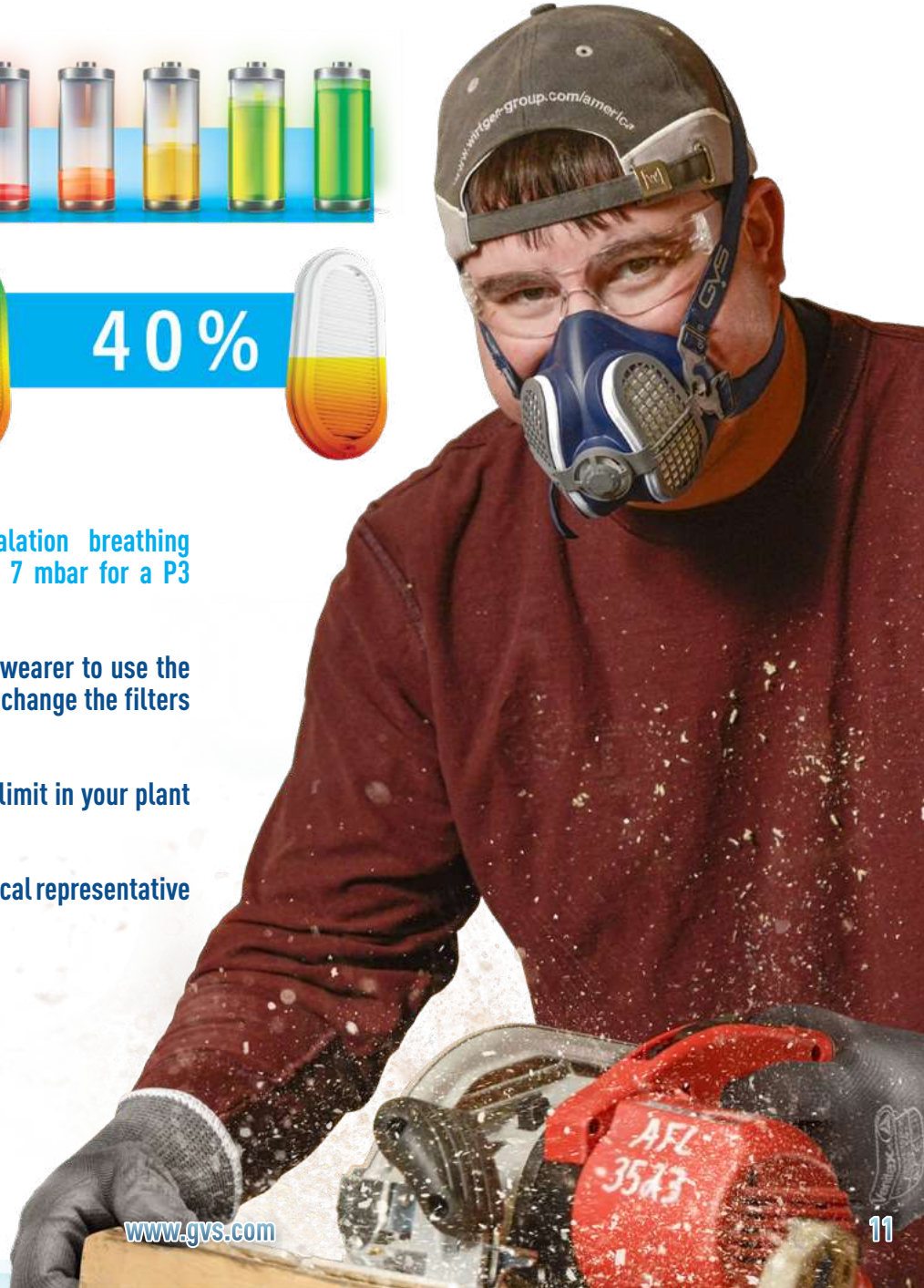


EN143 and EN149 states that the inhalation breathing resistance after clogging shall not exceed 7 mbar for a P3 respirator tested at 95l/min.

This can be interpreted as the limit for the wearer to use the respirator safely, and therefore the time to change the filters or the mask.

Do you want to set up a standard operating limit in your plant and workshop?

GVS can test your used filters, contact your local representative for more details or write to [gvsuk@gvs.com](mailto:gvsuk@gvs.com).







Fogging

No fogging



Leakage

Soft hypoallergenic TPE material



Uncomfortable and non-adjustable

Fits to your face



Low efficiency and short life disposable filter

HESPA™ High Efficiency (>99,99%) Reusable and replaceable filters



Pleated filter to reduce breathing resistance



**COST REDUCTION UP TO 50%**

Using GVS Elipse instead of disposable respirator





FILTER TECHNOLOGY

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 pre-fitted 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 new 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.
- ABE1P3: Multigas and dust risks (excluding ammonia), in chemical production and handling environment.

## 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.

## 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: (S/M) 97 x 126 x 138 mm  
(M/L) 97 x 133 x 138 mm  
Filter: 48,5 x 94,5 x 60 mm

### Weight

Mask + Filter: (S/M) from 267 to 280 g;  
(M/L) from 271 to 284 g  
Mask body: 87 g  
Filter only from 90 to 95 g each

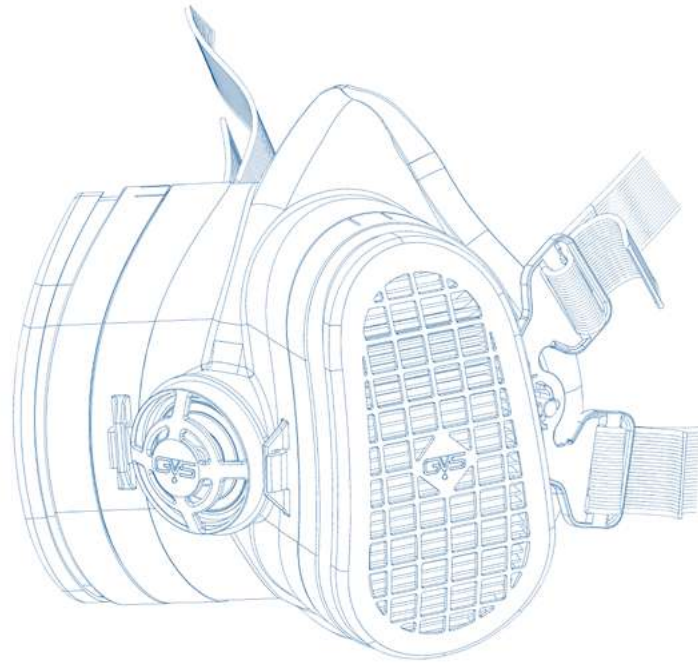
### Material:

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

- Activated carbon with ABS shell.
- Mechanical type HESPA™ Synthetic media 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 foilbag 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.

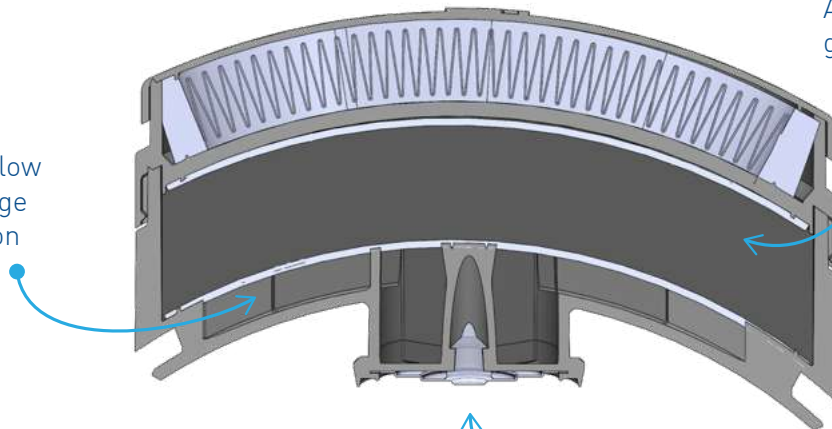


Large 198 cm<sup>2</sup> surface area  
of HESPA™ P3 media

Activated carbon for  
gas absorption

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

Large inhalation valve  
to allow air flow







**SPR338 (S/M) SPR503 (M/L)**  
A1P3 Reusable Half Mask  
for Organic Gases and Dust

**SPR341**  
Pair of replacement  
A1P3 Filters



**SPR425 (S/M) SPR505 (M/L)**  
B1P3 Reusable Half Mask for  
Inorganic Gases and Dust

**SPR426**  
Pair of replacement  
B1P3 Filters



**SPR580 (S/M) SPR581 (M/L)**  
ABE1P3 Reusable Half Mask for Organic,  
Inorganic and Chemical Gases and Dust

**SPR582**  
Pair of replacement  
ABE1P3 Filters



**SPR359 (S/M) SPR504 (M/L)**  
FFA1P3 Maintenance Free Half Mask for Organic  
Gases and Dust Filters can not be replaced



**SPM421**  
Kit of Prefilters  
20 pads



**SPM420**  
Kit of Prefilter Kits  
2 holder and 10 pads



**SPM008**  
GVS Low Profile  
Mask Carry Case





FILTER TECHNOLOGY

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 pre-fitted 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 new 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 ≤ 65 °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.

## 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):  
(S/M) 120 x 126 x 171 mm  
(M/L) 120 x 133 x 171 mm  
Mask (with P3 Dust):  
(S/M) 120 x 126 x 171 mm  
(M/L) 123 x 126 x 189 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 290 to 384 g  
Mask body: 106 g  
Filter: from 92 to 142,5 g

## Material:

Mask: Medical grade TPE (Silicone free).

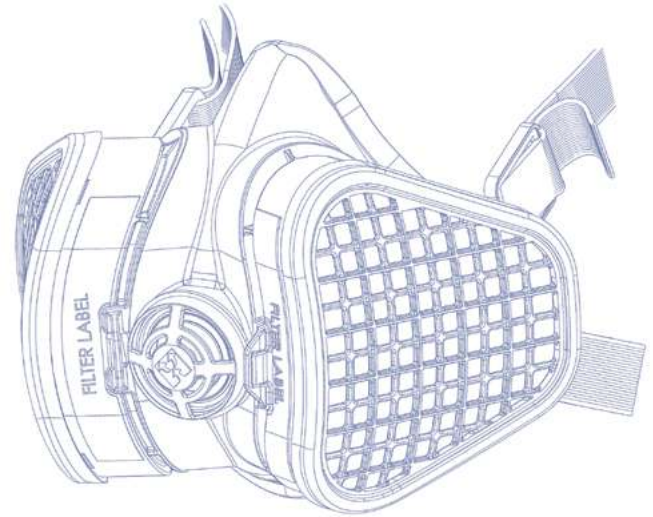
Filters:

- 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 wor 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 foil bag 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.

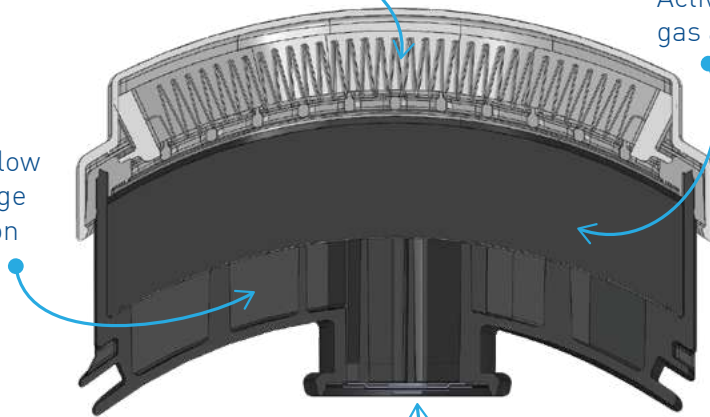


Large 376 cm<sup>2</sup> surface area of HESPA™ P3 media.

Activated carbon for gas adsorption

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

Large inhalation valve to allow air flow.





**SPR497**  
A2P3 Replacement filters

**SPR495 (S/M) SPR496 (M/L)**  
A2P3 Reusable Half Mask Organic  
Gases and Vapours until 5000 ppm and Dust



**SPR492**  
ABEK1P3 Replacement filters

**SPR490 (S/M) SPR491 (M/L)**  
ABEK1P3 Reusable Half Mask for multiple  
Gases and Vapours and Dust



**SPR498 (S/M) SPR499 (M/L)**  
FFA2P3 (EN405) Maintenance Free Organic Gases and  
Vapours until 5000 ppm and Dust Filters can not be replaced



**SPR493 (S/M) SPR494 (M/L)**  
FFABEK1P3 (EN405) Maintenance Free Half Mask for multiple  
Gases and Vapours and Dust Filters can not be replaced



**SPM009**  
GVS High Performance Half  
Mask Carry Case



**SPM578**  
Head Cradle Accessory





**SPR511 (S/M) SPR512 (M/L)**  
A1 Reusable Half Mask for Organic  
Gases and Vapours until 1000 ppm



**SPR513**  
A1 Replacement filters



**SPR514 (S/M) SPR515 (M/L)**  
E1 Reusable Half Mask for  
Acidic Gases and Vapours



**SPR516**  
E1 Replacement filters



**SPR517 (S/M) SPR518 (M/L)**  
AE1 Reusable Half Mask for Acidic  
and Organic Gases and Vapours



**SPR519**  
AE1 Replacement filters



**SPR487 (S/M) SPR488 (M/L)**  
ABEK1 Reusable Half Mask for  
multiple Gases and Vapours



**SPR489**  
ABEK1 Replacement filters



**SPM523**  
Case for replacement P3 filters  
for High Performance Half Mask



**SPM524**  
Pair of P3 replacement filters for  
High Performance Half Mask





# NEW CRADLE



- ✓ Added comfort
- ✓ Prevents headstrap from slipping
- ✓ Easily connects to the existing Elipse® headstrap
- ✓ Designed to fit under hard hats





FILTER TECHNOLOGY

**elipse**  
**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 120 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

	<b>A</b>	organic gases and vapours with a boiling point above 65°C
	<b>B</b>	inorganic gases and vapours (excluding carbon monoxide)
	<b>E</b>	sulphur dioxide and other acidic gases and vapours
	<b>K</b>	ammonia and organic ammonia derivatives
	<b>AX</b>	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.



342 g



203 g



## 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

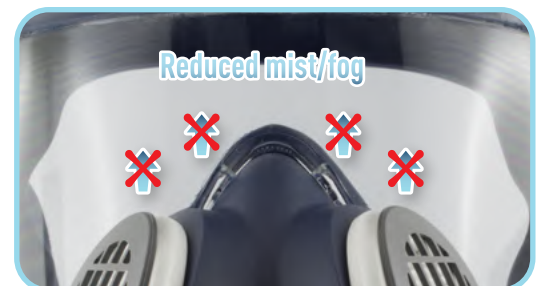
100% of filters are efficiency tested with NaCl to ensure the highest performance and quality.

## STORAGE LIFE:

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

# 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







**SPR407 (S/M) SPR406 (M/L)**  
P3 Elipse IntegraMask  
for application with Dust only

**SPR316**  
P3 replacement filters



**SPR404 (S/M) SPR405 (M/L)**  
P3 Nuisance odour Elipse  
Integra Mask for application with Dust only

**SPR336**  
P3 nuisance odour  
replacement filters



**SPR444 (S/M) SPR401 (M/L)**  
A1P3 Elipse Integra Mask for application  
with Organic Gases and Dust

**SPR341**  
A1P3 replacement filters



**SPR583 (S/M) SPR584 (M/L)**  
ABE1P3 Elipse Integra Mask for application with  
Organic, Inorganic and Chemical Gases and Dust

**SPR582**  
Pair of replacement  
ABE1P3 Filters

**Dimensions**

Mask with P3: (S/M) 168 x 152 x 200 mm  
(M/L) 174 x 152 x 200 mm

Mask with Combined Cartridges:

(S/M) 168 x 147 x 200 mm

(M/L) 174 x 149 x 200 mm

Mask with High Performance:

Combined Cartridges

(S/M) 168 x 153 x 200 mm

(M/L) 174 x 157 x 200 mm

Carbon Cartridges

(S/M) 168 x 151 x 200 mm

(M/L) 174 x 155 x 200 mm

Filter P3: 12 mm x 94 mm x 50 mm

Filter Combined: 48,5 x 94,5 x 60 mm

High Performance Filter: 95 x 55 x 60 mm



**Weight**

Mask with P3: from 203 g. to 213 g

Mask with Combined: (S/M) 337 g; (M/L) 350 g

Mask with High Performance: from 412 to 449 g

Filter P3: 18 g

Filter Combined: from 90 to 95 g

High Performance Filter: from 92 to 142,5 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.







**SPR538 (S/M) SPR539 (M/L)**  
ABEK1 Eipse Integra Mask for  
multiple Gases and Vapours



**SPR489**  
ABEK1  
Replacement filters



**SPR536 (S/M) SPR537 (M/L)**  
A2P3 Eipse Integra Half Mask Organic  
Gases and Vapours until 5000 ppm and Dust



**SPR497**  
A2P3  
Replacement filters



**SPR534 (S/M) SPR535 (M/L)**  
ABEK1P3 Eipse Integra Mask for  
multiple Gases and Vapours and Dust



**SPR492**  
ABEK1P3  
Replacement filters

NEW ACCESSORY



**SPM639**  
Eipse Integra RX insert



**SPM520**  
Peel off visor x 10



**SPM523**  
Case for replacement P3 filters  
for High Performance Half Mask



**SPM524**  
Pair of P3 replacement filters  
for High Performance Half  
Mask



**SPM007**  
Integra Case

# GVS MASKS SPARE PARTS LIST



**SPM558**

Elipse Mask Particulate Strap Support Assembly



**SPM559**

Elipse Integra Particulate Strap Support Assembly



**SPM565**

Elipse Mask slim rubber headband pad



**SPM578**

Elipse Mask cradle pad



**SPM571**

Pair of elastics for Elipse Masks



**SPM566**

Valve cover for All Elipse Gas Masks



**SPM568**

Pack of 3 valve diaphragms for Elipse Masks and Gas filters



**SPM562**

Plastic cover kit for Low Profile Elipse Gas Mask/Filters



**SPM561**

Pack of 4 headband clips for Elipse Integra and Elipse High Efficiency Gas Masks



**SPM563**

Pack of 2 turnbuckles for Elipse Masks



**SPM560**

Pack of 2 headband connector for Elipse Low Profile Gas Masks



**SPM564**

Pack of 2 headband connectors for Elipse High Efficiency Gas Mask



**SPM569**

Pack of 2 headband connector for Elipse Integra Low Profile Gas Masks



**SPM567**

Pack of 2 headband connectors for Elipse Integra High Efficiency Gas Mask



FILTER TECHNOLOGY

SAVE  
YOUR  
BREATH





# 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.  
Copyright© 2021 GVS® S.p.A. All rights reserved.  
Printed in Italy - Version 250221

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

## EUROPE

### Italy - Head Office

GVS S.p.A.  
Via Roma 50  
40069 Zola Predosa (BO) - Italy  
tel. +39 051 6176311  
gvs@gvs.com

### UK

GVS Filter Technology UK  
Vickers Industrial Estate  
Mellishaw Lane, Morecambe  
Lancashire LA3 3EN  
tel. +44 (0) 1524 847600  
gvsuk@gvs.com

### Russia

GVS Russia LLC.  
Profsoyuznaya Street, 25-A, office 102  
117418, Moscow  
Russian Federation (Russia)  
tel. +7 495 0045077  
gvsrussia@gvs.com

### Romania

GVS Microfiltrazione srl  
Sat Ciorani de Sus 1E  
107156 Ciorani  
Prahova România  
Tel. +40 244 463044  
gvsromania@gvs.com

### Turkey

GVS Türkiye  
Cevizli mah. Zuhal cad. Ritim Istanbul no:44 A-1  
Blok D.371 Maltepe / Istanbul  
tel. +90 216 504 47 67  
gvssturkey@gvs.com



## AMERICA

### U.S.A.

GVS North America  
63 Community Drive  
Sanford, ME 04072 - USA  
tel. +1 866 7361250  
gvsnasafety@gvs.com

GVS Filtration Inc.  
2150 Industrial Dr  
Findlay, Ohio, 45840-5402 - USA  
tel. +1 419-423-9040

GVS Filtration Inc.  
2200 W 20th Ave  
Bloomer, Wisconsin, 54724-1918 - USA  
tel. +1 715-568-5944

### Mexico

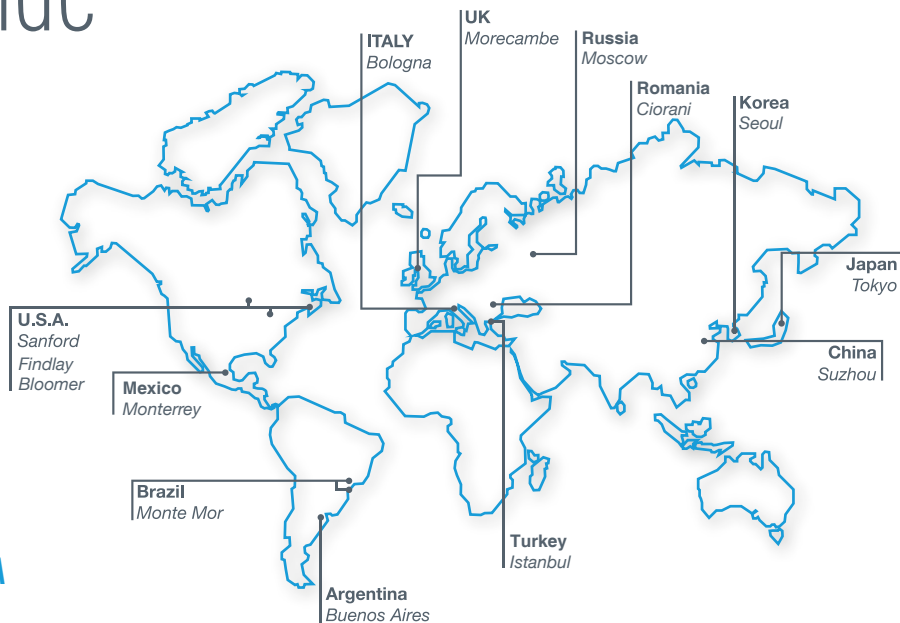
Universal No. 550, Vynmsa Aeropuerto  
Apodaca Industrial Park,  
Ciudad Apodaca, Nuevo León, C.P. 66626  
México  
tel. +52 81 2282 9003  
e-mail: gvs\_mex@gvs.com

### Brazil

GVS do Brasil Ltda.  
Rodovia Conego Cyriaco  
Scaranello Pires 251  
Jd. Progresso, CEP 13190-000  
Monte Mor (SP) - Brasil  
tel. +55 19 38797200  
gvs@gvs.com.br

### Argentina

Parral 246-9° A  
1405 Buenos Aires - Argentina  
tel. +54 11 49889041  
gvsarg@gvs.com



## ASIA

### China

GVS Technology (Suzhou) Co., Ltd.  
Fengqiao Civil-Run Sci-Tech Park,  
602 Changjiang Road, S.N.D.  
Suzhou, China 215129  
tel. +86 512 6661 9880  
gvschina@gvs.com

### Japan

GVS Japan K.K.  
KKD Building 4F, 7-10-12  
Nishishinjuku  
Shinjuku-ku, Tokyo 160-0023  
tel. +81 3 5937 1447  
gvsjapan@gvs.com

### Korea

GVS Korea Ltd  
#315 Bricks Tower  
368 Gyungchun-ro (Gaug-dong),  
Namyangju-si, Gyunggi-do,  
Tel. +82 31 563 9873  
gvs-korea@gvs.com

