

| | | |
|-------------|--------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Elipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

Elipse EN Carbon Range (REV1 & REV2)

Certified to EN 140 & EN 14387



PRODUCT DESCRIPTION

Elipse Carbon Cartridge respirator range, consisting of:

- Combined particulate and activated carbon cartridge respirators giving protection against dust, mist and fume of all types, and micro-organism eg. Bacteria & Viruses and specific gasses & vapours.
- Activated carbon cartridge respirators giving protection against specific gasses & vapours.

REV1 Facemask Range (GVS Elipse Low Profile Combined Gas & Particulate Range):

- SPR338IFUE – A1P3 S/M
- SPR503IFUC – A1P3 M/L
- SPR425IFUD – B1P3 S/M
- SPR505IFUC – B1P3 M/L
- SPR580IFUA – ABE1P3 S/M
- SPR581IFUA – ABE1P3 M/L
- SPR673IFUA – A2P3 S/M
- SPR674IFUA – A2P3 M/L

REV1 Replacement Kit Range (GVS Elipse Low Profile Combined Gas & Particulate Range):

- SPR341IDUC – A1P3 R D
- SPR426IDUC – B1P3 R D
- SPR582IDUA – ABE1P3 R D
- SPR675IDUA – A2P3 R D

REV2 Facemask Range (GVS Elipse High Performance Gas / Combined Gas & Particulate Range):

- SPR487IFUA – ABEK1 S/M
- SPR488IFUA – ABEK1 M/L
- SPR490IFUA – ABEK1P3 S/M
- SPR491IFUA – ABEK1P3 M/L
- SPR495IFUA – A2P3 S/M
- SPR496IFUA – A2P3 M/L
- SPR511IFUA – A1 S/M
- SPR512IFUA – A1 M/L

PRODUCT SPECIFICATION

| | | |
|--------------------|--------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Elipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

| | <ul style="list-style-type: none"> • SPR514IFUA – E1 S/M • SPR515IFUA – E1 M/L • SPR517IFUA – AE1 S/M • SPR518IFUA – AE1 M/L <p>REV2 Replacement Kit Range (GVS Elipse High Performance Gas / Combined Gas & Particulate Range):</p> <ul style="list-style-type: none"> • SPR489IDUA – ABEK1 • SPR492IDUA – ABEK1P3 • SPR497IDUA – A2P3 • SPR513IDUA – A1 • SPR516IDUA – E1 • SPR519IDUA – AE1 <p>Similar existing product: <input type="checkbox"/> N/A <input type="checkbox"/> Specify: NIOSH REV2 Range</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---|--------|-------------|----|-------|---|---|-------|---|---|------|-----------------------------|---|--------|--|---|-------|---|----|-------|--|-------|------------|---|-------|-----------|---------|
| MANUFACTURER NAME | GVS Filter Technology UK | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTENDED USE / APPLICATION | <ul style="list-style-type: none"> - The GVS Elipse safety respirator is an approved half-mask in accordance with European Standard EN 140:1998, Regulation (EU) 2016/425 and TP TC 019/2011. The filters are approved in accordance with European standard EN 14387:2004+A1:2008, Regulation (EU) 2016/425 and TP TC 019/2011. The device is approved for occupational applications only when the above items are used together. - The Elipse half-mask is used together with a set of 2 non-handed filters / 1 left hand and 1 right hand filters, to give protection against specific gases, vapours, toxic dust particles, dust, mist and fumes of all types, including bacteria and viruses where stated in the filter description and indicated by the colours displayed on the filter label. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLASS OF THE PRODUCT | <ul style="list-style-type: none"> - A combination of different gas filter types is possible, information is available on request or via www.gvs.com. - Filters marked "R" are re-usable and intended to be used for more than one shift. - Filters marked "D" are resistant to dust clogging. <table border="1"> <thead> <tr> <th>Filter Type</th> <th>Colour</th> <th>Application</th> </tr> </thead> <tbody> <tr> <td>P3</td> <td>White</td> <td>Hazardous and toxic dust particles. Dust, mist and fumes of all types, including bacteria and viruses. Also covers the protection provided by lower class P2 and P1 filters</td> </tr> <tr> <td>A</td> <td>Brown</td> <td>Organic gases and vapours, with boiling point $\geq 65^{\circ}\text{C}$</td> </tr> <tr> <td>B</td> <td>Grey</td> <td>Inorganic gases and vapours</td> </tr> <tr> <td>E</td> <td>Yellow</td> <td>Sulphur Dioxide and other acidic gases and vapours</td> </tr> <tr> <td>K</td> <td>Green</td> <td>Ammonia and organic ammonia derivatives</td> </tr> <tr> <td>AX</td> <td>Brown</td> <td>Gases and vapours from organic compounds, with low boiling point $\leq 65^{\circ}\text{C}$</td> </tr> <tr> <td>NO-P3</td> <td>Blue-White</td> <td>Nitrogen oxides, e.g. NO, NO₂, NO_x</td> </tr> <tr> <td>Hg-P3</td> <td>Red-White</td> <td>Mercury</td> </tr> </tbody> </table> | Filter Type | Colour | Application | P3 | White | Hazardous and toxic dust particles. Dust, mist and fumes of all types, including bacteria and viruses. Also covers the protection provided by lower class P2 and P1 filters | A | Brown | Organic gases and vapours, with boiling point $\geq 65^{\circ}\text{C}$ | B | Grey | Inorganic gases and vapours | E | Yellow | Sulphur Dioxide and other acidic gases and vapours | K | Green | Ammonia and organic ammonia derivatives | AX | Brown | Gases and vapours from organic compounds, with low boiling point $\leq 65^{\circ}\text{C}$ | NO-P3 | Blue-White | Nitrogen oxides, e.g. NO, NO ₂ , NO _x | Hg-P3 | Red-White | Mercury |
| Filter Type | Colour | Application | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P3 | White | Hazardous and toxic dust particles. Dust, mist and fumes of all types, including bacteria and viruses. Also covers the protection provided by lower class P2 and P1 filters | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Brown | Organic gases and vapours, with boiling point $\geq 65^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Grey | Inorganic gases and vapours | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | Yellow | Sulphur Dioxide and other acidic gases and vapours | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | Green | Ammonia and organic ammonia derivatives | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AX | Brown | Gases and vapours from organic compounds, with low boiling point $\leq 65^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO-P3 | Blue-White | Nitrogen oxides, e.g. NO, NO ₂ , NO _x | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hg-P3 | Red-White | Mercury | | | | | | | | | | | | | | | | | | | | | | | | | | |

PRODUCT SPECIFICATION

| | | |
|-------------|---------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Eclipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

| | <p>- Protection provided by Class 2 and 3 filter includes that provided by the corresponding filter of lower class or classes.</p> <table border="1" data-bbox="470 488 995 719"> <thead> <tr> <th>Gas Filter Class</th> <th>Description</th> <th>Maximum permissible detrimental gas concentration</th> </tr> </thead> <tbody> <tr> <td>Class 1</td> <td>Low adsorption capacity</td> <td>Max 0,1 % by volume</td> </tr> <tr> <td>Class 2</td> <td>Medium adsorption capacity</td> <td>Max 0,5 % by volume</td> </tr> <tr> <td>Class 3</td> <td>High adsorption capacity</td> <td>Max 1,0 % by volume</td> </tr> </tbody> </table> | Gas Filter Class | Description | Maximum permissible detrimental gas concentration | Class 1 | Low adsorption capacity | Max 0,1 % by volume | Class 2 | Medium adsorption capacity | Max 0,5 % by volume | Class 3 | High adsorption capacity | Max 1,0 % by volume |
|---------------------------------------|--|---|-------------|---|---------|-------------------------|---------------------|---------|----------------------------|---------------------|---------|--------------------------|---------------------|
| Gas Filter Class | Description | Maximum permissible detrimental gas concentration | | | | | | | | | | | |
| Class 1 | Low adsorption capacity | Max 0,1 % by volume | | | | | | | | | | | |
| Class 2 | Medium adsorption capacity | Max 0,5 % by volume | | | | | | | | | | | |
| Class 3 | High adsorption capacity | Max 1,0 % by volume | | | | | | | | | | | |
| <p>MATERIALS</p> | <p>Filter media: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Activated Carbon Granules, PET/Glass Particulate media. 10.020.0018: A - Activated Carbon Granules 10.019.0072: AE - Activated Carbon Granules 10.019.0075: ABEK - Activated Carbon Granules 10.020.0023: E - Activated Carbon Granules 10.019.0058: B - Activated Carbon Granules 10.020.0027: ABE - Activated Carbon Granules 10.019.0079: A - High Performance Carbon Granules 10.027.0012: PET/Glass Particulate media</p> <p>Frame/Housing Polymer: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Particulate Filter Overmould 10.054.0007- TPE, Cartridge Case 10.053.0010 - ABS</p> <p>Colour: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Facemask, Headband Pad, Head Cradle - Blue, Particulate Filters - White, Strap Support, Cartridge Case - Grey, Elastic Strap - Blue with logo</p> <p>Other insert(s): <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Facemask, Headband Pad - TPE, Head Cradle - LDPE, Turnbuckle, Valve body - Polyamide, Valve Diaphragm - Silicone, Strap Support - Polypropylene, Elastic Strap, Cartridge Case - ABS</p> <p>Regulatory Documentation Required: <input type="checkbox"/> Biocompatibility according ISO 10993-1 <input type="checkbox"/> IMDS <input checked="" type="checkbox"/> ROHS <input type="checkbox"/> BSE/TSE <input checked="" type="checkbox"/> DEHP plasticizer Free and latex free <input type="checkbox"/> Aging <input checked="" type="checkbox"/> REACH <input checked="" type="checkbox"/> Conflict minerals</p> <p>Other: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: EN 140, EN 14387</p> | | | | | | | | | | | | |
| <p>PRODUCT CHARACTERISTICS</p> | <p>Appearance/Visual Aesthetic part: <input checked="" type="checkbox"/> Yes; <input type="checkbox"/> No</p> <p>Finishing: <input type="checkbox"/> Trim finishing mirror polished surfaces <input type="checkbox"/> Thin roughness surfaces <input type="checkbox"/> Gross roughness surface <input checked="" type="checkbox"/> As shown on drawing</p> | | | | | | | | | | | | |

PRODUCT SPECIFICATION

| | | |
|-------------|---------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Eclipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

Presence of graphics/Artwork:

- No; Specify: **CE marking. Product Identification information on packaging including GVS business information, Notified Certification Body, Protection type, Lot expiry labels and information.**

Flash bears admitted:

- N/A Specify: **Refer to control the plan.**

Injection gate vestige:

- N/A Specify: **Refer to control the plan.**

Black spots admitted (size/area):

- N/A Specify: **Refer to control the plan.**

Infiltration into insert admitted:

- N/A Specify: **Refer to control the plan.**

Other:

- N/A Specify:

Physical/Mechanical

Dimensions:

- **S/M Facemask (with Combined Filter) – D: 123mm x H: 126mm x W: 189mm**
- **M/L Facemask (with Combined Filter) – D: 123mm x H: 132mm x W: 189mm**
- **Filter Kit (Combined Filter) – D: 95mm x H: 62mm x W: 97mm**

Weight:

- **S/M Facemask (with Combined Filter) – 394g**
- **M/L Facemask (with Combined Filter) – 399g**
- **Filter Kit (Combined Filter) – 246g**

Interfaces (ex: Input / Output connectors):

- N/A Specify: **Eclipse cartridges designed to fit the Eclipse facemask**

Operating temperature Range: **-10°C to 40°C**

Storage temperature Range: **-10°C to 40°C**

Other:

- N/A Specify: **Humidity <95%**

Chemical

Compatibility to solvents:

- N/A Specify: **Mild soapy water, disinfectant.**

Resistance to weathering:

- N/A Specify:

Other:

- N/A Specify:

Biological

Sterility:

- N/A Specify:

Pyrogenicity:

- N/A Specify:

Haemolysis:

- N/A Specify:

Toxicity:

- N/A Specify:

PRODUCT SPECIFICATION

| | | |
|-------------|---------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Ellipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

| | |
|--|--|
| | <p>Functional</p> <p>Air Flow Rate: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Tested to 95 l/min as per EN 140 and EN 14387</p> <p>Water Break Through Pressure: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Liquid Flow Rate: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Bubble Point Pressure: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Filtration Efficiency: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Filter Efficiency @ 47.5 l/min, min. 99.95% (EN 14387)</p> <p>Pressure Drop: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Breathing Resistance @ 95 l/min (2 filters), max. 8.2 mbar</p> <p>Internal Volume: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Operating Lifetime: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Filters should be changed once a month or more frequently if you find an increased resistance to breathing as the filters become clogged; when you start to smell gas / vapour indicating that the filters are exhausted; or if they reach the end of their 3 year expiry date, which is marked on each individual filter and product packaging.</p> <p>Shelf Lifetime: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: 3 years from the date of manufacture.</p> <p>Other: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Cleanliness</p> <p>Part cleanliness: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Refer to control the plan.</p> <p>Clean-room Production required: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Testing</p> <p>Insert embedding Test: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Burst test: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Leakage: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Other: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Specify: Refer to control the plan and test plan QAF 7/96</p> |
|--|--|

| | |
|-------------------------|--|
| INSTRUCTIONS / WARNINGS | <p>IFU</p> <p><input type="checkbox"/> N/A <input checked="" type="checkbox"/> Required: Specify Languages: <input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> French <input checked="" type="checkbox"/> Italian <input checked="" type="checkbox"/> Spanish <input checked="" type="checkbox"/> Portuguese <input checked="" type="checkbox"/> German <input type="checkbox"/> Chinese <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input checked="" type="checkbox"/> Russian <input checked="" type="checkbox"/> Other (Specify): Polish, Dutch, Swedish, Finnish, Norwegian, Danish, Turkish, Czech, Slovak, Hungarian, Bosnian, Romanian, Lithuanian, Latvian, Estonian, Greek, Bulgarian, Serbian, Croatian, Icelandic, Albanian, Arabic, Hebrew.</p> |
|-------------------------|--|

PRODUCT SPECIFICATION

| | | |
|-------------|--------------------------------------|---------------------|
| Product P/N | See page 1 | |
| Description | Elipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

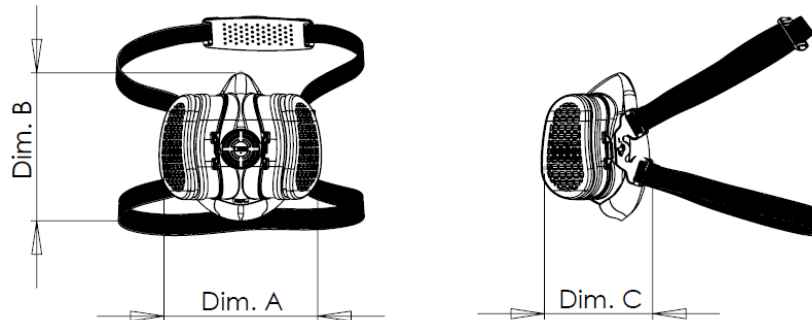
| | |
|---|--|
| PRODUCT SHELF LIFE | 3 years of the date of manufacture. <i>Expiration date and date of manufacture are detailed on the product labelling.</i> |
| STERILIZATION | <input checked="" type="checkbox"/> Not required; <input type="checkbox"/> EtO; <input type="checkbox"/> Gamma; <input type="checkbox"/> Beta; <input type="checkbox"/> Steam; <input type="checkbox"/> e-beam |
| APPLICABLE STANDARDS AND REGULATIONS | <p>Product Certification required:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> CE mark <input type="checkbox"/> FDA <input type="checkbox"/> Canadian Health <input type="checkbox"/> Brazil ANVISA <input type="checkbox"/> Argentina ANMAT <input type="checkbox"/> NIOSH <input type="checkbox"/> Japan <input type="checkbox"/> Korea <input type="checkbox"/> China <input checked="" type="checkbox"/> Russia <input type="checkbox"/> Other (Specify): <p>Applicable Standards and Technical Regulations:</p> <ul style="list-style-type: none"> • <i>Regulation (EU) 2016/425 on personal protective equipment</i> • <i>EN 140:1998 Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking</i> • <i>EN 14387:2004+A1:2008 Respiratory protective devices – Gas filters and combined filters – Requirements, testing, marking</i> • <i>TP TC 019/2011</i> <p>Customer Specific Requirements: See Opsial Facemask and Replacement Kits Range</p> <p>Is the Product a safety product? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Environment Impact: Have atmosphere emissions, liquid effluents, underground leachables been considered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Energy released (heat, vibration): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| INTELECTUAL PROPERTY AND FUNDING | <p>Intellectual Property: Patents that have been granted or applied for that must be considered. <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> <p>Grants: Is the project (partially) funded by public institutions? <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Specify:</p> |
| PACKAGING AND LABELING | <p>Packaging</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Primary: Individual box (1 mask) / Replacement kit bag (2 filters) <input checked="" type="checkbox"/> Secondary: Bulk box (10 masks / 10 replacement kits) <p>Labelling: <input checked="" type="checkbox"/> Standard; <input type="checkbox"/> Customer specific:</p> <p>UDI: <input type="checkbox"/> N/A; <input type="checkbox"/> No; <input checked="" type="checkbox"/> Yes (Specify): Standard SAP label</p> |

PRODUCT SPECIFICATION

| | | |
|-------------|---------------------------------------|---------------------|
| Product P/N | See page 1 | Mod. 984 Rev. 06 |
| Description | Ellipse EN Carbon Range (REV1 & REV2) | |

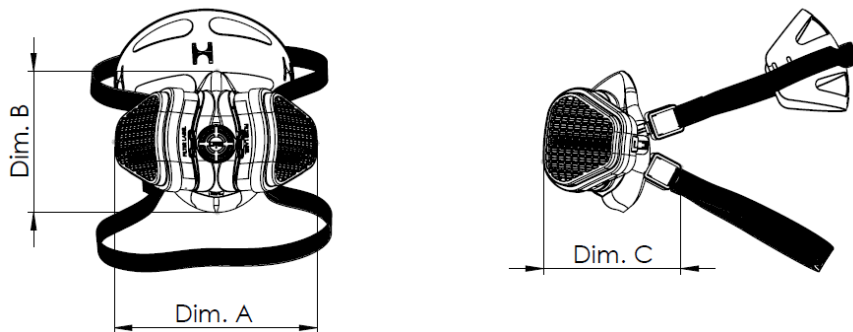
CERTIFICATE OF COMPLIANCE
*The manufacturer guarantees the saving of basic consumer properties during service life of the half-mask and filters. The EU declaration of conformity can be downloaded at www.gvs.com/page/maskcertifications.
 The Quality management system is in compliance with ISO 9001.*

DRAWING
Simplified Drawing or reference to Technical Drawing



Dimension Table - For Packaging Reference

| Facemask | Dim. A (mm) | Dim. B (mm) | Dim. C (mm) |
|--------------|-------------|-------------|-------------|
| S/M Combined | 138 | 126 | 97 |
| M/L Combined | 138 | 133 | 97 |



Dimension Table - For Packaging Reference

| Facemask | Dim. A (mm) | Dim. B (mm) | Dim. C (mm) |
|--------------|-------------|-------------|-------------|
| S/M Carbon | 171 | 126 | 120 |
| S/M Combined | 189 | 126 | 123 |
| M/L Carbon | 171 | 133 | 120 |
| M/L Combined | 189 | 133 | 123 |

ACCEPTABLE QUALITY LEVEL
 AQL: **Functional characteristics S3 @ 1%, visual characteristics GI @ 0.25% as per ISO2859**
 PPM:
 Other:

VISUAL REQUIREMENTS
Visual acceptance requirements apply when inspected under below conditions:

- Magnification: *Unaided eye at a distance of approximately 35-40cm.*
- Light type: *Lighting level must be reasonable for visual detection.*
- Timings: *Maximum inspection period per item is 25 seconds.*

For detailed defect list, refer to product control plan.

| Acceptance Requirement | | AQL | Sampling Plan |
|------------------------|---------------------------------------|-------------|--|
| 1 | Wrong artwork/printing | GII @ 0.25% | ISO 2859 Part 1 General Inspection Level 1 |
| 2 | Blurred/faint/illegible print defects | | |
| 3 | Oil/ Grease | | |

PRODUCT SPECIFICATION

| | | |
|-------------|---------------------------------------|-----------------------------|
| Product P/N | See page 1 | Mod. 984 Rev. 06 |
| Description | Ellipse EN Carbon Range (REV1 & REV2) | |

| | | | | |
|--|----|-----------------------------|--|--|
| | 4 | Incorrect colour | | |
| | 5 | Discolouration | | |
| | 6 | Surface damage | | |
| | 7 | Packaging damage | | |
| | 8 | Flow marks/ Marbling | | |
| | 9 | Deformation / distortion | | |
| | 10 | Dirt | | |
| | 11 | Insert missing | | |
| | 12 | Damaged/broken item | | |
| | 13 | Incorrect assembly sequence | | |

| | | | | |
|---|--|--|--|--|
| <p>GENERAL SAFETY AND PERFORMANCE REQUIREMENTS</p> | <p>Special characteristic: Product characteristic which can affect safety or compliance with regulations, fit, function, performance or subsequent processing of product.</p> <p>Special Characteristic # 01: Filter efficiency (combined cartridges only)</p> <ul style="list-style-type: none"> - P3 Filter Efficiency @ 95 l/min (Sodium Chloride) = 99.95% as per EN 143 (GVS performance average = 99.995%) - P3 Filter Efficiency @ 95 l/min (Paraffin Oil) = 99.95% as per EN 143 (GVS performance average = 99.995%) <p>Special Characteristic # 02: Gas performance</p> <ul style="list-style-type: none"> - A1 Gas Performance, C₆H₁₂ – minimum breakthrough time 70 minutes as per EN 14387 - A2 Gas Performance, C₆H₁₂ – minimum breakthrough time 35 minutes as per EN 14387 - B1 Gas Performance, Cl₂ – minimum breakthrough time 20 minutes, H₂S – minimum breakthrough time 40 minutes, HCN – minimum breakthrough time 25 minutes as per EN 14387 - E1 Gas Performance, SO₂ – minimum breakthrough time 20 minutes as per EN 14387 - K1 Gas Performance, NH₃ – minimum breakthrough time 50 minutes as per EN 14387 <p>Special Characteristic # 03: Breathing resistance</p> <ul style="list-style-type: none"> - Breathing Resistance @ 30 l/min (2 filters) = max. 2.2 mbar as per EN 143 - Breathing Resistance @ 95 l/min (2 filters) = max. 8.2 mbar as per EN 143 - Breathing Resistance after Clogging @ 95 l/min (2 filters) = max. 9.0 mbar as per EN 143 <p>Special Characteristic # 04: Mass of filters</p> <ul style="list-style-type: none"> - Mass of the Filters to be used with a half mask = max. 300 g as per EN 143 <p>Special Characteristic # 05: TIL</p> <ul style="list-style-type: none"> - Total Inwards Leakage = max. 5% inwards leakage as per EN 140 <p>Special Characteristic # 06: Other EN 140 requirements</p> <ul style="list-style-type: none"> - Temperature Conditioning as per EN 140 (QAF 7/66) - Head Harness as per EN 140 (QAF 7/68) - Facemask Integrity (combined filters only) – additional batch test as per QAF 7/70 - Mechanical Strength as per EN 140 (QAF 7/105) - Inhalation/ Exhalation Valve (Flow) as per EN 140 (QAF 7/86, QAF 7/106) | | | |
|---|--|--|--|--|



PRODUCT SPECIFICATION

| | | |
|--------------------|---|-----------------------------|
| Product P/N | See page 1 | |
| Description | Elipse EN Carbon Range (REV1 & REV2) | Mod. 984 Rev. 06 |

| | |
|--|--|
| | <ul style="list-style-type: none"> - <i>Exhalation Valve (Strength) as per EN 140 (QAF 7/107)</i> - <i>Flammability as per EN 140</i> - <i>Carbon Dioxide Content of Inhalation Air as per EN 140</i> |
|--|--|

This material specification describes the properties of product above indicated. This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

REVISIONS AND APPROVALS:

| DATE | REV. | REASON FOR CHANGE | ISSUED AND CONTROLLED BY: (NAME/FUNCTION/SIGNATURE) | APPROVED BY: (NAME/FUNCTION/SIGNATURE) |
|------------|------|---|--|--|
| 02/11/2016 | 1 | First issue at high industrial stage | Andrew Calland / Leade Engineer | Rebecca Law / QA Manager |
| 08/06/2020 | 2 | General update with 30 language IFU and new cradle. Addition of REV1 range and removal of EN 405 products (see separate specifications) | Ondrej Kalensky / Project Engineer | Andrew Pearce / QA Manager |
| 17/09/2021 | 3 | Addition of REV1 A2P3 cartridge range. | Ondrej Kalensky / Project Engineer  | Andrew Pearce / QA Manager  |