

# RESPIRATORY PROTECTION



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# Respiratory - Protection

## RESPIRATORY STANDARDS

In Australia and New Zealand a 'Duty of Care' requires all stakeholders to be able to identify hazards in the work environment, quantify the risk and formally (in writing and action) put into place training and controls for the proper selection and ongoing use of respiratory protective equipment.

AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment

This Standard sets out the principles of respiratory protection, requirements and recommendations for the selection, use and maintenance of personal Respiratory Protective Equipment (RPE) in the workplace.

AS/NZS 1716:2003 Respiratory protective devices

This Standard specifies requirements for respiratory protective devices (respirators) intended to provide, according to type, varying degrees of protection against atmospheres containing substances which may be harmful if inhaled; also, with certain types, to provide protection against atmospheres which may be deficient in oxygen. It does not give guidance on the selection, use and maintenance of respirators. This is covered in AS/NZS 1715.

The Standard also specifies requirements, performance and testing criteria to be observed in the manufacture of respirators.

## TYPES OF RESPIRATORY PROTECTION

Air Purifying Respirators

Respirators which filter contaminants from inhaled air.

### Disposable Respirators

Half Face Respirators    Full Face Respirators

Powered Air Purifying Respirator (PAPR)

Single use, protection against dusts, mists and fumes

### Applications

Sawing, grinding, welding fume, bushfire smoke

Protection against dusts, mists, fumes, gases and vapours by using specific filters

### Applications

Painting, grinding, printing, mining

Higher levels of respiratory protection and/or where eye or face protection is required

### Industries

Chemical, petroleum, steel, pharmaceutical

Higher levels of respiratory protection and/or where head, eye, face or additional comfort is required

### Industries

Pharmaceutical, food manufacturing, foundries

## Air Supplied Respirators

Respirators that provide the user with clean air from a source independent of the ambient atmosphere, either via a compressor through a filtering system or stored as high pressure air in cylinders. Airline supplied systems shall be used in the following conditions; the ambient conditions are unknown, concentration of contaminant could be immediately dangerous to life and health (IDLH), oxygen content of the ambient air is below 19.5%, and confined, enclosed or unventilated spaces as per the risk assessment.

Self-Contained Breathing Apparatus

## Compressed Airline Airline Escape

### Applications

Emergency Response, Rescue, Confined Space Entry

### Applications

Confined Space Entry, spray painting

### Applications

Allows safe exit from hazardous situations

## Respiratory Hazards

Your lungs are vital to your health - if hazardous particles reach the lungs they can damage the delicate tissue and cause illness. Your body has some natural defences against airborne particulate hazards but if the contaminant is in a large enough quantity and/or made up of very small particles, these defences may be overcome, resulting in ill health and increased risk of diseases such as occupational asthma, pulmonary fibrosis and cancer.

Gases and vapours are other types of respiratory hazards. As they mix readily with the air we breathe, gases and vapours are readily inhaled and may cause direct damage to the lung tissue e.g. acid gases. Other

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types (e.g. solvents, pesticides, and mercury) can enter the bloodstream via the lungs and can then be transported around the body where they can damage organs like the liver, kidneys and effect the central nervous system and at high concentrations can be lethal.

**Dusts** Solid particles suspended in the air as a result of the disintegration of matter. Dust may be generated by mechanical means e.g. drilling, sawing and sandblasting.

**Sprays and Mists** Airborne droplets - the droplets may carry substances in solution or particles in suspension. Mists are usually formed by a condensation of vapour by atomisation of a liquid. Smoke Particles of low vapour pressure suspended in the air. Smoke is made up from the solid and liquid products of combustion. Smoke particles settle slowly under gravity.

**Fume** Particles forming an airborne suspension. Fuming is usually caused by the heating of a solid to such an extent that it vapourises and condenses into small particles in the surrounding air. May be termed a thermally generated particulate.

**Gas** A substance which is like air - it is neither a solid nor liquid at room temperature. Vapour The gaseous form of a substance which is solid or liquid at room temperature.

## FILTER CLASSES AND SELECTION

Under the Standard AS/NZS 1716, filters used in respirators are required to meet certain performance levels to achieve a classification - this then allows determination of its suitability for use against specific contaminants at various concentrations as explained in AS/NZS 1715.

## PARTICLE FILTERS

Filters are tested for capture efficiency in the laboratory using a salt aerosol challenge agent. Under specified test conditions, the amount of these particles that break through the filter is measured which allows

classification of the filter. Under the Standard AS/NZS 1716, there are three classes of particle filters.

### Class Application

- |    |  |
|----|--|
| P1 | Used for mechanically generated particulates e.g. dust, mists, flour and silica. This class of filter is suitable for relatively "large" particles (>1 micron) released in mechanical operations e.g. sanding, drilling, cutting, sawing and crushing.   |
| P2 | Used for mechanically and thermally generated particles e.g. welding fume. This class of filters has a higher capture efficiency to be able to effectively filter the many sub-micron sized thermally generated particles. The P2 is also the class of filter recommended for specific infection control applications e.g. H1N1 Influenza 09 (Human Swine Influenza), Tuberculosis (TB) or other infectious diseases, where they can capture biologically active airborne particles and aerosols under specified conditions. |
| P3 | Used for mechanically and thermally generated sub-micron particulates, viruses, bacteria and highly toxic materials e.g. Beryllium, radioactive particles. A P3 filter offers higher protection than a P2 filter however this is only achieved when the P3 filter is used in combination with a full face respirator*.   |

\*NOTE: To achieve these high protection levels, any P3 filter must be worn on a full face mask or as part of a head-covering respirator. If P3 filters are fitted to any half face mask, this combination is graded by AS/NZS 1715 to perform only as well as a P2 rated filter on this mask. This is because the "weak point" of the half face mask respirator is the face seal, not the filter performance i.e. in practice most leakage on a half face mask respirator will occur around the seal on the face, not through the filters.



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## GAS & VAPOUR FILTERS

Gas/Vapour filters are produced specifically for use against various gases and vapours and are tested and marked accordingly. AS/NZS 1716 uses a code/colour classification system to identify the different types of contaminants these treated carbon grains will capture.

| Class | Colour | Application                                |
|-------|--------|--|
| A     | Brown  | Organic vapours with boiling points > 65°C |
| AX    | Brown  | Organic vapours with boiling points < 65°C |
| B     | Grey   | Inorganic gases                            |
| E     | Yellow | Acid gases                                 |
| K     | Green  | Ammonia                                    |
| Hg    | Red    | Mercury                                    |
| G     | Brown  | Organic compounds with low vapour pressure |

There are also other gas filter types for other specified chemicals.

All gas/vapour filters are also rated for their absorptive capacity. In increasing capacity there are Class Aus, Class 1, Class 2 and Class 3 filters for example;

A1/B1/E1 Filter ABE - The types of contaminants the filter will capture

1 - Represents the class of absorptive capacity

The higher the class, the higher and longer the concentration they are able to deal with when fitted on the right type of respirator. By combining the two types of filters (particle and gas and vapour), we can get combination filters like A1P2, BAusP1 or A2B2E2K1P3.

For the employer or worker who is not familiar with the various factors and product features necessary to choose the correct respiratory protection, please contact our office.

## How Long Do Particle Filters Last?

As particle filters load up with the contaminant, they actually become a better filter. However, they also become harder to breathe through. The wearer will notice this increased load at some point, decide the restriction is too high and will then need to change the filter. This decision point will vary from individual to individual as some people are more sensitive to breathing load than others. So the filter should be changed when the breathing resistance becomes excessive OR if the filter is damaged in any way.

## Situations Where Particle Filters Must Not Be Used

There are several applications where particle filters should NOT be used:

- When the ambient oxygen level is not guaranteed to be > 19.5%
- For capture of gases or vapours
- When the airborne particulate contaminant concentrations are very high
- When Government Regulations require use of airline or other specific type of respirator for specific applications.

## How Do Gas & Vapour Filters Work?

These filters rely on a sorbent material to "soak up" the gas/vapour molecules. Typically a container of fine activated carbon grains is used for this. Depending on the chemical treatment of the carbon surface, this material will absorb different types of gases or vapours. AS/NZS 1716 uses a classification system to identify the different types of contaminants these treated carbon beds will capture.

## How Long Do Gas & Vapour Filters Last?

Gas and vapour filters are rated according to their absorptive capacity. In increasing capacity, the class ratings are: Aus, 1, 2 or 3. This means we can have an A1 or a B2 or a multigas type filters like an A2B2EAusK1. The service life (i.e. how long will it perform) of any gas and vapour filter is affected by many factors - concentration and identity of contaminants, breathing rates, humidity levels, ventilation, temperature, type of carbon etc.



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## Situations Where Gas & Vapour Filters Must Not Be Used

There are several applications where gas and vapour filters should NOT be used:

- When the oxygen level is not guaranteed to be > 19.5%
- For capture of particles e.g. dusts, mists, fumes or fibres
- When airborne gas and vapour contaminant concentrations are very high
- When spraying materials (e.g. 2-pack paints) containing Isocyanates
- Where the contaminant(s) present cannot be captured by the gas and vapour filter
- When regulations require use of airline or other specific type of respirators for certain applications
- When the contaminant has poor warning properties

## RESPIRATOR FIT TESTING

Checking that a respirator, with a tight fitting face piece, provides an adequate seal to the wearer's face has long been considered best practice as part of a general Respiratory Protection Program.

Respirators with tight fitting face pieces include disposable respirators, half and full-face masks, including those that form part of a powered or air-fed respirator.

## WHEN TO FIT TEST

Fit testing should be carried out:

- Before the respirator is issued
- On all wearers of respirators with tight fitting face pieces where fit testing has previously not been performed

Fit testing should be repeated at appropriate times such as:

- If the wearer significantly loses or gains weight, has major dental work or sustains a major facial injury
- If a different size or model of Respiratory Protective Equipment (RPE) is specified
- At least annually or when specified by the company policy e.g. during a health surveillance check
- Fit testing is in addition to performing a fit check prior to each use as a determination of suitable fit

## FIT TEST METHODS

There are two (2) main methods of fit testing available: Qualitative fit testing

A pass or fail assessment of the adequacy of a respirator. A qualitative fit test determines whether or not someone can detect various scents or flavours.

## Quantitative fit testing

An assessment of the adequacy of respirator fit that uses numerical measurement of the amount of leakage into the respirator. Quantitative fit tests use a probe inside the face mask.

During both methods of testing, it is essential that the subject is free from facial hair and other items that may interfere with the face seal. Wearers with facial hair or stubble (even a few days growth) must not wear a respirator which has a tight fitting face piece.

All tests require a series of exercises to be performed during the fit test. Manufacturers' instructions for the test equipment should be followed at all times.

A record of the result of the test should be generated and retained for at least 5 years. Some schools of thought consider these records to be identifiable to an individual and related to health controls; in which case records may need to be kept for 40 years. Check with your local regulatory authorities to determine their requirements.

## Order Information



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# Respiratory - Protection

## RESPIRATORS & HYGIENE

The proper cleaning and maintenance of respirators is an important area that is commonly overlooked. All respiratory equipment needs to be in good condition to work effectively and to be able to supply the level of protection expected by the user.

Respirators should be checked before each use and fitted correctly. For reusable types, after use, they should be cleaned and inspected to ensure they are in good working order and ready for the next use.

### Multiple Users

A common question that arises is one concerning sharing or multiple users of a respirator. Standard AS/NZS 1715 Section 7.4 addresses this issue. It says:

“Where practical, the user should be given respirators for his or her exclusive use..... for respirators on extended personal issue, a system of regular cleaning, inspection and maintenance should be provided.

Respirators not issued on a personal basis, for example SCBA, should be cleaned and disinfected after each use. No device should be issued unless it was cleaned and disinfected after its last use.

Prior to re-issue, respirators should be inspected in accordance with the manufacturer's instructions to ensure correct operation of the respirator.”

The issue of personal hygiene is important and requiring workers to share a face piece or head top is not recommended. There are situations where several employees are doing the same operation and using (not simultaneously) a single Powered Air Purifying Respirator (PAPR) or airline system. In this case, it would be possible for the employer to provide one working system (e.g. a Powered Air Purifying Respirator (PAPR) turbo unit or an airline and regulating valve) and also provide employees with their own head top or face mask to use with the Powered Air Purifying Respirator (PAPR) or airline system. Each employee involved then has ownership of his or her own head top for cleaning, maintenance and storage purposes.

## FACIAL HAIR & RESPIRATORS

The effects of facial hair or beards is a common issue wherever respirators are worn. Does it matter?

The answer is clear - beards are not acceptable if close fitting respirators are worn. AS/NZS 1715 Section 7.5.3 states “individuals with stubble, a moustache, sideburns or a beard which passes between the skin and the sealing surface must not wear a respirator which requires a facial seal.” This includes any close fitting respirators - full or half face pieces.

### What is the problem with beards?

Close fitting respirators need to seal tightly to the face. Gaps in the face seal allow dirty air to leak inside the respirator. Respirator filters cannot clean the air leaking through the face seal. Even a day or two's growth of stubble for some individuals can be enough to give significant leak paths for contaminants. Face seal leakage reduces the wearer's protection. It is not true to say that hair is “very fine” and aids the filtering process. The size of particles that is most dangerous to the lungs is far too small to be caught by a few human hairs.

### What is the solution?

Individuals who cannot obtain an effective face seal due to facial hair will need to wear a hood type respirator either a Powered Air Purifying Respirator (PAPR) with appropriate filters or an air supplied hood, whichever type your risk assessment or the situation dictates.

# Respiratory - Protection

## Disposable - 3M



### 3M™ Flat Fold Particulate Respirator 9322, P2, Valved

#### RP 3M 9322

- Unique 3-panel design fits a wide range of face sizes
- Low profile provides good field of vision and easy use with safety glasses
- Proprietary 3M™ Cool Flow™ exhalation valve effectively reduces heat and moisture build-up, for prolonged wear
- Individually packaged for convenient storage and dispensing in the workplace
- Applications: protects from mechanically & thermally generated particles created during e.g. handling infected animals, cleaning animal sheds, composting, burning wood
- 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012



### 3M™ Flat Fold Particulate Respirator 9310, P1

#### RP 3M 9310

- Unique 3-panel design fits a wide range of face sizes
- Low profile and provides good field of vision
- Individually packaged for convenient storage and dispensing in the workplace
- Applications: protects from mechanically generated particles created during e.g. sanding, drilling, grinding, cutting
- 20 Each/Box
- Complies with performance requirements of AS/NZS1716:2012



### 3M™ Flat Fold Particulate Respirator 9312, P1, Valved

#### RP 3M 9312

- Unique 3-panel design fits a wide range of face sizes
- Low profile and provides good field of vision
- Proprietary 3M™ Cool Flow™ exhalation valve effectively reduces heat and moisture build-up, making breathing easier
- Individually packaged for convenient storage and dispensing in the workplace
- Applications: protects from mechanically generated particles created during e.g. plastering, tunnelling, sawing, earthmoving
- 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012



### 3M™ Particulate Respirator 9042AUS, P2 with Nuisance level\* Organic Vapour Relief

#### RP 3M 9042AUS

- Vertical flat fold design is conveniently portable and easy to carry
- Effective filtration combined with low breathing resistance
- Individually packaged for convenient storage and dispensing in the workplace
- Activated carbon layer provides protection against particles and nuisance levels\* of organic vapours and odours, e.g. fuel and gasoline vapours, painting & spraying using water-based paint, metal pouring
- 25 Each/Box
- Complies with performance requirements of AS/NZS1716:2012
- \* Nuisance levels are those levels below the Workplace Exposure Standards



### 3M™ Flat Fold Particulate Respirator 9320, P2

#### RP 3M 9320

- Unique 3-panel design fits a wide range of face sizes
- Low profile provides good field of vision and use with safety glasses
- Individually packaged for convenient storage and dispensing in the workplace
- Applications: protects from mechanically & thermally generated particles created during e.g. handling infected animals, cleaning animal sheds, composting
- 20 Each/Box
- Complies with performance requirements of AS/NZS1716:2012



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# Respiratory - Protection Disposable - 3M



## 3M™ VFlex™ Particulate Respirators 9102A, 9102AS, 9105A and 9105AS

**RP 3M 9102A** - P1 VFlex Particulate Respirator

**RP 3M 9102AS** - P1 Small VFlex Particulate Respirator

**RP 3M 9105A** - P2 VFlex Particulate Respirator

**RP 3M 9105AS** - P2 Small VFlex Particulate Respirator

The VFlex™ respirators feature v-shaped pleats that expand giving you a spacious feel and flex with mouth movement when communicating. The tabs on the side are designed as handles to aid in easy positioning of the respirator on your face to achieve a secure fit.

These disposable respirators are available with Class P1 and P2 rated filtration. Class P1 offers protection from hazards such as dusts and mists while Class P2 also offers protection against fumes.

Packaging for all product codes:

10 respirators / box

16 boxes / case

• Complies with performance requirements of AS/NZS1716:2012

\* Nuisance levels are those levels below the Workplace Exposure Standards



## 3M™ Cupped Particulate Respirator 8710, P1

**RP 3M 8710**

- Lightweight construction may contribute to increased wearer time
- Collapse resistant shell offers durability
- Adjustable nose clip helps reduce eyewear fogging
- Applications: protects from mechanically generated particles created during e.g. sanding, drilling, grinding, cutting
- 20 Each/Box
- Complies with performance requirements of AS/NZS1716:2012

## 3M™ Cupped Particulate Respirator 8210, P2

**RP 3M 8210**

- Lightweight construction may contribute to increased wearer time
- Collapse resistant shell offers durability
- Adjustable nose clip helps reduce eyewear fogging
- Applications: protects from mechanically & thermally generated particles created during e.g. carpentry, cropping, soldering, certain infection control
- 20 Each/Box
- Complies with performance requirements of AS/NZS1716:2012

## 3M™ Cupped Particulate Respirator 8812, P1, Valved

**RP 3M 8812**

- Lightweight construction may contribute to increased wearer time
- Collapse resistant shell offers durability
- Adjustable galvanised nose clip helps reduce eyewear fogging
- Proprietary 3M™ Cool Flow™ exhalation valve effectively reduces heat and moisture build-up, for cooler & drier comfort
- Applications: protects from mechanically generated particles created during e.g. plastering, tunnelling, sawing, earthmoving
- 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012

## 3M™ Cupped Particulate Respirator 8822, P2, Valved

**RP 3M 8822**

- Lightweight construction may contribute to increased wearer time
- Collapse resistant shell offers durability
- Adjustable galvanised nose clip helps reduce eyewear fogging
- Proprietary 3M™ Cool Flow™ exhalation valve effectively reduces heat and moisture build-up, for prolonged wear
- Applications: protects from mechanically & thermally generated particles created during e.g. carpentry, light welding, cropping
- 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012

# Respiratory - Protection



## 3M™ Particulate Respirator 9926, P2 with Nuisance Level Acid Gas Relief

### RP 3M 9926

- Type P2, for mechanically and thermally generated particles and nuisance level acid gases such as chlorine, sulphur dioxide and hydrogen fluoride. 3M Cool Flow Valve prevents heat and moisture build-up, making breathing easier.

10 respirators per box, 10 boxes per case

- Effective filtration combined with low breathing resistance
- Complies with performance requirements of AS/NZS1716:2012

\* Nuisance levels are those levels below the Workplace Exposure Standards



## 3M™ Particulate Respirator 9913, GP1 with Nuisance level\* Organic Vapour Relief

### RP 3M 9913

- Collapse resistant robust shell
- Activated carbon layer provides protection against nuisance levels\* of organic vapours and odours
- Type 'G' class rating is suitable for low vapour pressure (below 1.3 Pa @ 25oC) of many agricultural chemicals, e.g. pesticide and herbicide
- Galvanised steel nose clip allows underground application

9913 - 15 Each/Box

- Complies with performance requirements of AS/NZS1716:2012

## 3M™ Particulate Respirator 9913V valved GP1 with Nuisance level\* Organic Vapour Relief

### RP 3M 9913V

- Collapse resistant robust shell
- Activated carbon layer provides protection against nuisance levels\* of organic vapours and odours
- Type 'G' class rating is suitable for low vapour pressure (below 1.3 Pa @ 25oC) of many agricultural chemicals, e.g. pesticide and herbicide
- Galvanised steel nose clip allows underground application

9913V - 10 Each/Box

- Complies with performance requirements of AS/NZS1716:2012

## 3M™ Particulate Respirator 9915, P1 with Nuisance level\* Acid Gas Relief

### RP 3M 9915

- Robust shell maintains its shape during wear
- Two-point braided straps provide comfortable, secure fit
- Provides protection from nuisance levels\* of acid gases, such as, sulphur dioxide and hydrogen fluoride
- Complies with performance requirements of AS/NZS1716:2012
- 15 Each/Box
- Nuisance levels are those levels below the Workplace Exposure Standards

## 3M™ Particulate Respirator 9916, P1 valved with Nuisance level\* Acid Gas Relief

### RP 3M 9916

- Robust shell maintains its shape during wear
- Two-point braided straps provide comfortable, secure fit
- Provides protection from nuisance levels\* of acid gases, such as, sulphur dioxide and hydrogen fluoride
- Complies with performance requirements of AS/NZS1716:2012
- 10 Each/Box
- Nuisance levels are those levels below the Workplace Exposure Standards



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# Respiratory - Protection Disposable - 3M



**3M Aura 9422+ Flat Fold P2 Resp. vald;10 ea/Bx; 12 Bx/Cs**

## RP 3M 9422

This respirator provides protection for use in environments where workers are exposed to dusts, mists and fumes. Ideal for the food manufacturing industry and for industries that require staple-free and/or visually detectable respirators, like the pharmaceutical industry. Other features include highly visible bright blue colour and hygienically individual packaging.

Protects against mechanically and thermally generated particulates. Application examples: Food Manufacturing - flour dust, cereal & non-cereal flours, egg & fish protein, spices & condiments, coffee powder, confectionery, animal & bird feed, fruit & vegetable processing. Pharmaceutical - shaping/tablet formation, cleaning & maintenance

- Complies with performance requirements of AS/NZS1716:2012



## 3M™ Deluxe Welding Respirator 8514, P2, Valved

### RP 3M 8514

- Low profile design allows compatibility with welding shields
- Flame retardant, cake resistant filter media reduces caking of particles on filter surfaces
- Proprietary 3M™ Cool Flow exhalation valve reduces exhaled air and minimises risk of misting eyewear
- 8514 has an additional layer of carbon to filter out ozone and nuisance levels\* of organic vapour • 10 Each/Box

\* Nuisance levels are those levels below the Workplace Exposure Standards



## 3M™ Welding Respirator 8512, P2, Valved

### RP 3M 8512

- Low profile design allows compatibility with welding shields
- Flame retardant, cake resistant filter media reduces caking of particles on filter surfaces
- Proprietary 3M™ Cool Flow exhalation valve reduces exhaled air and minimises risk of misting eyewear
- For welding application to provide protection from ozone and welding fumes • 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012



## 3M™ Cupped Particulate Respirator 8322, P2, valved

### RP 3M 8322

Part of the 3M Comfort Series, this respirator's super soft, cushioned lining provides instant yet lasting comfort; whilst the robust design makes these respirators tough and durable. It also features an M-shaped nose clip to make it easier to fit and more comfortable around the nose. Cool Flow Valve prevents heat and moisture build up, making breathing easier.

- Applications: protects from mechanically & thermally generated particles created during e.g. carpentry, cropping, soldering, certain infection control
- 10 respirators/box, 8 boxes/case
- Complies with performance requirements of AS/NZS1716:2012

# Respiratory - Protection



## 3M™ Particulate Respirator 8577, GP2, Valved with Nuisance level\* Organic Vapour Relief

### RP 3M 8577

- Collapse resistant robust shell
- Activated carbon layer provides protection against nuisance levels\* of organic vapours and odours
- Type 'G' class rating is suitable for low vapour pressure (below 1.3 Pa @ 25oC) of many agricultural chemicals, e.g. pesticide and herbicide
  - Proprietary 3M™ Cool Flow exhalation valve reduces exhaled air and minimises risk of misting eyewear
- Effective filtration combined with low breathing resistance
- 10 Each/Box
- Complies with performance requirements of AS/NZS1716:2012

\* Nuisance levels are those levels below the Workplace Exposure Standards



## 3M™ Particulate Respirator 9923V, P2, with Nuisance Level\* Organic Vapour Relief

### RP 3M 9923V

- Lightweight construction may contribute to increased wearer time
- Collapse resistant shell offers durability

The 3M™ 9923V is an intrinsically safe disposable respirator with P2 rated filtration that offers protection from hazards such as coal dust, diesel particulate matter, other dusts, mists and fumes. The added carbon layer provides effective relief from nuisance levels\* of organic vapours and odours.

- Proprietary 3M™ Cool Flow™ exhalation valve effectively reduces heat and moisture build-up, for prolonged wear

Mining- underground coal and metalliferous, exposure to diesel particulate matter, odours and unburned fuel vapours

10 respirators/box, 6 boxes/case

- Complies with performance requirements of AS/NZS1716:2012



## 3M™ Flat Fold Particulate Respirator 9542A, P2, with Nuisance Level\* Organic Vapour Relief

### RP 3M 9542A

The 3M™ 9542A is a specialty disposable respirator with P2 rated filtration that offers protection against certain dusts, mists and fumes. The added carbon layer provides effective relief from nuisance levels\* of organic vapours and odours.

Size: Designed to fit a wide range of facial sizes

Foldable design: Portable and easy to carry

Individually wrapped: Protects respirator from contamination prior to use

- Provides protection from nuisance levels\* of acid gases, such as, sulphur dioxide and hydrogen fluoride

- Complies with performance requirements of AS/NZS1716:2012
- 15 Each/Box

\* Nuisance levels are those levels below the Workplace Exposure Standards



## 3M™ Particulate Respirator 8246, P2, with Nuisance Level Acid Gas Relief

### RP 3M 8246

- Collapse resistant robust shell
  - Type P2, for mechanically and thermally generated particles, and nuisance level acid gases such as chlorine, sulphur dioxide and hydrogen fluoride
- 20 respirators/box, 6 boxes/case

- Complies with performance requirements of AS/NZS1716:2012



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# Respiratory - Protection

## Dräger

### Diesel Particulate Matter

What is it and why should I be concerned.



#### WHAT

The use of diesel engine powered equipment, results in miners being exposed to diesel exhaust – especially underground miners.

The particulate fraction of diesel exhaust – known as Diesel Particulate Matter (DPM) is released as a result of incomplete combustion.

#### WHY

The fraction of the exhaust known as DPM, is classified as a known human carcinogen by the World Health Organisation.

The Australian Institute of Occupational Hygienists (AIOH) suggests an exposure limit of 0.1mg/m<sup>3</sup> DPM. Research shows that this limit is often exceeded in Australian underground coal and hard rock mines.



# Respiratory - Protection



## Diesel Particulate Matter % - Filtration efficiency after exposure to DPM

According to **AS/NZS 1716**, % filtration efficiency after exposure to DPM, the minimum requirement for P2 masks is **94%** filter efficiency. The table below shows the filter efficiency of the Draeger Explore 1720 and 1320 disposable masks against the different types of DPM.

|                                    | X-plore<br>1320V           | X-plore<br>1320V<br>Odour | X-plore<br>1720V | X-plore<br>1720V<br>Odour |
|------------------------------------|----------------------------|---------------------------|------------------|---------------------------|
| Loading                            | Filtration Efficiency in % |                           |                  |                           |
| w/o Loading                        | 96.3                       | 96.7                      | 97.5             | 98.5                      |
| 12mg C <sub>2</sub> H <sub>2</sub> | 97.4                       | 95.6                      | 96.9             | 98.2                      |
| 25mg C <sub>2</sub> H <sub>2</sub> | 99.1                       | 98.7                      | 98.9             | 98.7*                     |
| 12mg C <sub>2</sub> H <sub>4</sub> | 97.4                       | 98.2                      | 98.0             | 99.5                      |
| 25mg C <sub>2</sub> H <sub>4</sub> | 98.3                       | 99.5                      | 98.1             | 99.8*                     |
| 12mg<br>CH <sub>4</sub>            | 97.5                       | 97.4                      | 98.0             | 98.7                      |
| 25mg<br>CH <sub>4</sub>            | 97.7                       | 97.4                      | 97.6             | 98.7                      |

**Draeger product surpasses the minimum Australian standards requirement.**

C<sub>2</sub>H<sub>2</sub> – Acetylene, is a hydrocarbon

C<sub>2</sub>H<sub>4</sub> – Ethylene, is a hydrocarbon is listed by IARC\* as class 3 carcinogen

CH<sub>4</sub> – Methane

## Diesel Particulate Matter What's will the impact be on me and my business

Disposable masks are already commonly used in underground mines, so there is no need for additional equipment and expenditures to protect against DPM.

The X-plore 1320 and 1720 series of masks will protect against both coal dust and DPM.

Exposure to DPM is not limited to underground mining operations but applies to all operations where diesel engines are being used.



Industrial Protective Products (WA)  
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# Respiratory - Protection Disposable - Dräger



## Dräger X-plore 1700 Filtering Face Pieces.

**RP DRA 3951080** - Dräger X-plore® 1710

**RP DRA 3951081** - Dräger X-plore® 1710 V

**RP DRA 3951083** - Dräger X-plore® 1720

**RP DRA 3951084** - Dräger X-plore® 1720 V

**RP DRA 3951085** - Dräger X-plore® 1720 V Odour

Dräger X-plore 1700 is the new generation of particle filtering face pieces. With its CoolSAFE filter material it offers effective protection against fine dust, as well as solid and liquid particles. The

Dräger X-plore 1700 series offers a variety of masks to meet the needs of different application areas.

CoolSAFE™ filter material:

The specially developed CoolSAFE filter material combines various highperformance filter media to achieve an excellent filter performance. Coarse and fine particles are effectively stopped in the various filter layers. At the same time, the breathing resistance remains very low, allowing the user to work easily and without tiring for longer periods. In addition, the face pieces were subjected to the increased requirements of the (optional) dolomite dust test. Their resistance to clogging under high exposure to dust was successfully tested. During activities with high exposure to dust (e.g. mining), this gives the face pieces a longer service life and reduces costs for the user, while maintaining a high degree of wearing comfort.

CoolMAX™ exhalation valve:

Small details, large effect. The CoolMAX exhalation valve was engineered to optimally guide the exhalation airflow away from the mask. Thanks to the extremely low breathing resistance, it is particularly easy to breathe. The effective removal of humid and warm exhaled air successfully prevents a heat build-up under the face piece during longer periods of use. The result: the user enjoys a radically higher level of breathing comfort.

Secure seal:

Alongside the material's filter performance, a secure seal without leakage is decisive in how effective the masks' protection really is. The Dräger X-plore 1700 serves as a role model in sealing performance. Its ergonomic form and soft material fits well to the face. The nose pad and nose clip holds it effectively in place in the critical areas around the nose. Fits, sits, and seals securely. Wearing comfort: A few minutes or a couple of hour. The longer the period of use, the more important the wearing comfort. Safety professionals around the world have confirmed if respiratory protection is not comfortable to wear and easy to operate, it does not get used. While questionnaires evaluated some masks as uncomfortable, restrictive or complicated to use, we have developed the Dräger X-plore 1700 series in such a way that no compromises are necessary.

# Respiratory - Protection



## Dräger X-plore 1300 Filtering Face Pieces.

**RP DRA 3951211** - Dräger X-plore® 1310

**RP DRA 3951212** - Dräger X-plore® 1310 V

**RP DRA 3951213** - Dräger X-plore® 1320

**RP DRA 3951214** - Dräger X-plore® 1320 V

**RP DRA 3951215** - Dräger X-plore® 1320 V Odour

Dräger X-plore 1300 is the modern generation of pre-formed face pieces offering exactly what it takes: Straight - forward easy handling, excellent comfort and, thanks to its CoolSAFE™ filter material, effective protection against fine dust and particles to meet the needs of users in a wide range of applications. Simply sophisticated.

CoolSAFE™ filter material:

The specially developed CoolSAFE filter material combines various highperformance filter media to achieve an excellent filter performance. Coarse and fine particles are effectively stopped in the various filter layers. At the same time, the breathing resistance remains very low, allowing the user to work easily and without tiring for longer periods. In addition, the face pieces were subjected to the increased requirements of the (optional) dolomite dust test. Their resistance to clogging under high exposure to dust was successfully tested. During activities with high exposure to dust (e.g. mining), this gives the face pieces a longer service life and reduces costs for the user, while maintaining a high degree of wearing comfort.

CoolMAX™ exhalation valve:

Small details, large effect: the CoolMAX exhalation valve was engineered to optimally guide the exhalation airflow away from the mask. Thanks to the extremely low breathing resistance, it is particularly easy to breathe. The effective removal of humid and warm exhaled air successfully prevents a heat build-up under the face piece during longer periods of use. The result: the user enjoys a radically higher level of breathing comfort.

Effective seal:

Alongside the material's filter performance, an effective seal without leakage is decisive in how effective the masks' protection really is. Depending on the protection level, the face pieces are equipped with a soft foam nose pad (FFP1), a large comfort sealing strip (FFP2). The combination of inner seal and nose clip holds the mask effectively in place in the critical area around the nose. Fits, sits and seals securely.



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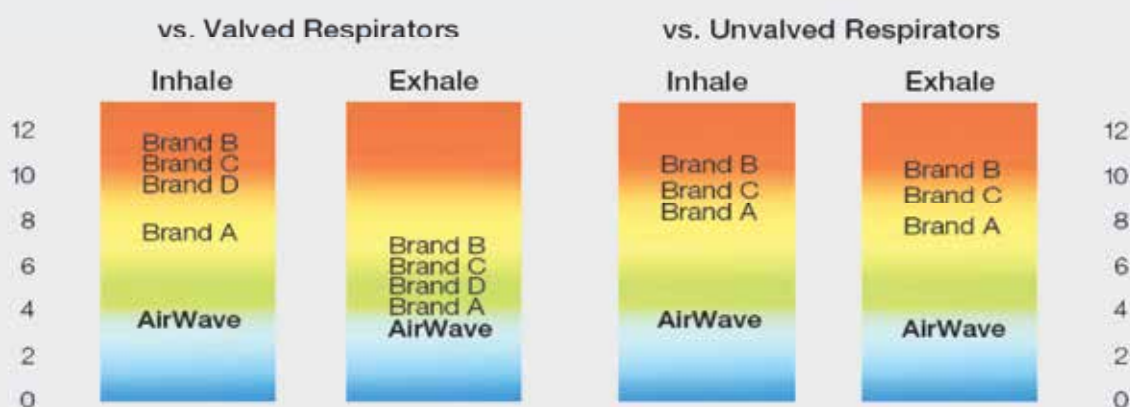
# Respiratory - Protection



## Breathes easier by design

AirWave<sup>®</sup>—the valve-free respirator that breathes easier:

- Less breathing resistance than other leading disposable respirators\*.
- Even less exhale resistance than the leading valved respirators\*.



Scale shows relative resistance (mmH<sub>2</sub>O) of AirWave model 4200 and leading brands' models.

\* Testing conducted at 85 liters per minute in accordance with NIOSH 42 CFR Part 84.180 initial resistance requirements. Resistance will vary with actual use conditions. Charts and percentages reflect averages of test results for 30 samples of each product.

# Respiratory - Protection



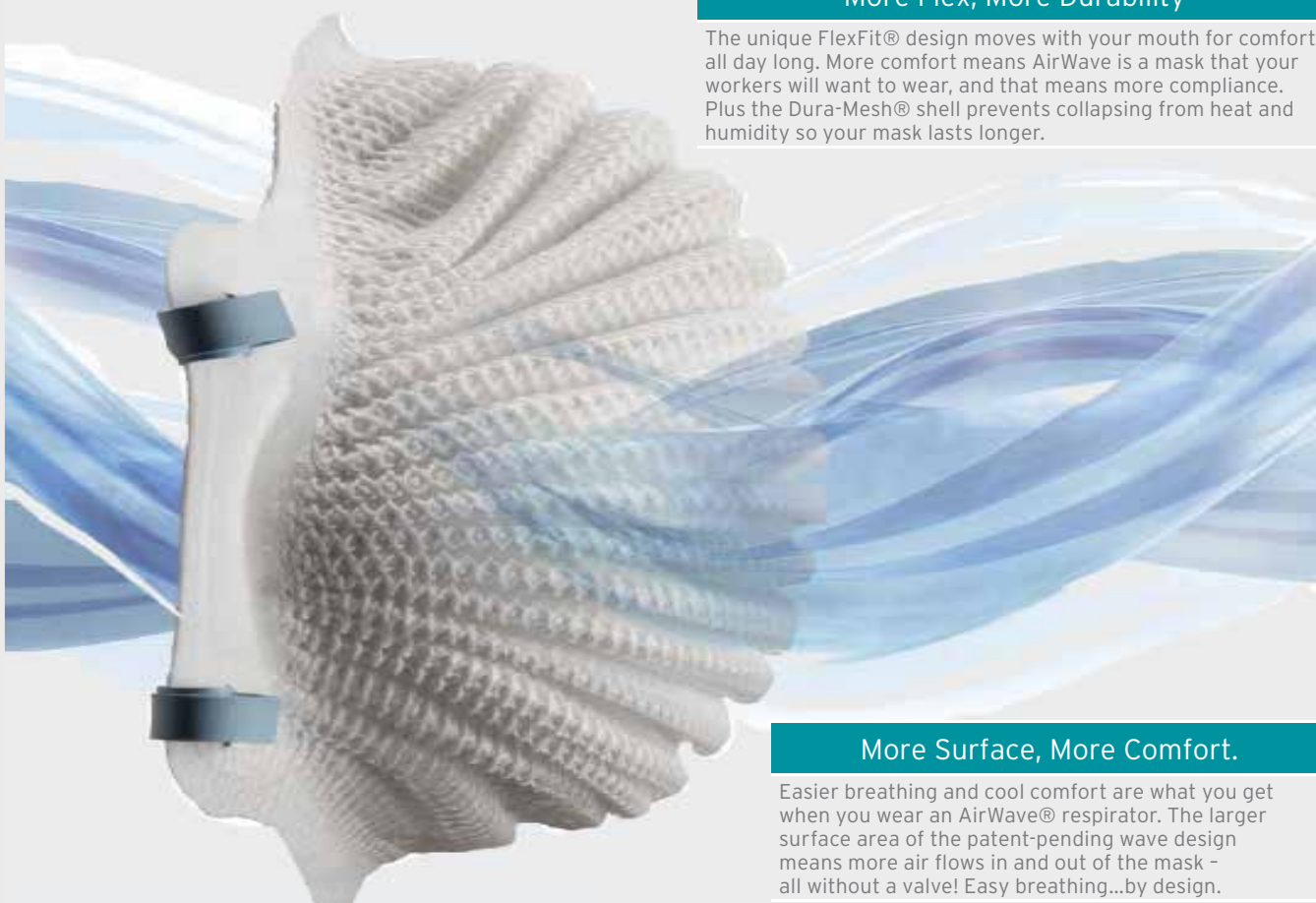
Breath Easier than a respirator with a valve

## More Air. More Wear.

When you can breath easier and you're more comfortable, you'll want to keep wearing AirWave! Longer wear means less masks, less masks means more savings. Compliance and cost savings just got easier. Plus it's also metal free.

## More Flex, More Durability

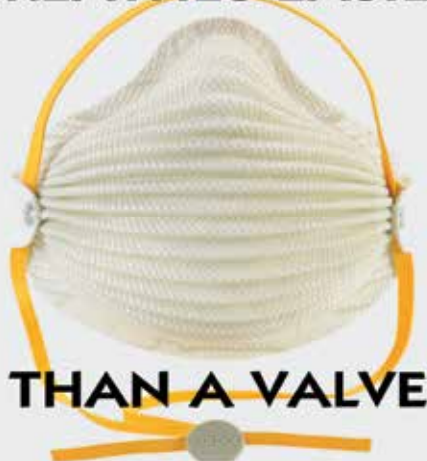
The unique FlexFit® design moves with your mouth for comfort all day long. More comfort means AirWave is a mask that your workers will want to wear, and that means more compliance. Plus the Dura-Mesh® shell prevents collapsing from heat and humidity so your mask lasts longer.



## More Surface, More Comfort.

Easier breathing and cool comfort are what you get when you wear an AirWave® respirator. The larger surface area of the patent-pending wave design means more air flows in and out of the mask - all without a valve! Easy breathing...by design.

**BREATHES EASIER**



**THAN A VALVE**

## New Exclusive SmartStrap

It just keeps on getting better...the new SmartStrap allows the AirWave to hang from the neck when not in use. So it does not get thrown away and you use fewer masks. Plus its adjustable soft cloth strap feels cool and comfortable. Say goodbye to waste, hello to cost-savings!



Industrial Protective Products (WA)  
Supporting Better Products





# Respiratory - Protection Disposable - Moldex



# Respiratory - Protection



## Moldex 4200 P2 AirWave® Disposable Respirator

**RP MX 4200** - Small Box 10

**RP MX 4201** - Medium/Large Box 10

- Exclusive easy-breathing wave design
- Less resistance, better breathability\*
- Ideal where unvalved respirators are preferred
- Less cost than valved respirators
- Longer wear means less cost
- Softspun® lining for increased comfort and durability.
- Soft foam nose cushion and contour shaped for comfort
- Pinch free nose bridge



## Moldex 4600 P2 AirWave® Disposable Respirator

**RP MX 4600** - Small Box 10

**RP MX 4601** - Medium/Large Box 10

- Exclusive easy-breathing wave design
- Less resistance, better breathability\*
- Ideal where unvalved respirators are preferred
- Less cost than valved respirators
- Longer wear means less cost
- Softspun® lining for increased comfort and durability.
- Soft foam nose cushion and contour shaped for comfort
- Pinch free nose bridge



## Moldex 4200 P2 AirWave® Disposable Respirator

**RP MX 4800** - Small Box 10

**RP MX 4801** - Medium/Large Box 10

- Exclusive easy-breathing wave design
- Less resistance, better breathability\*
- Ideal where unvalved respirators are preferred
- Less cost than valved respirators
- Longer wear means less cost
- Softspun® lining for increased comfort and durability.
- Soft foam nose cushion and contour shaped for comfort
- Pinch free nose bridge





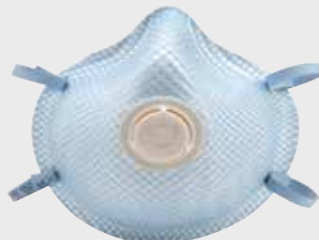
# Respiratory - Protection Disposable - Moldex



## Moldex 2200 P2 Disposable Respirator

**RP MX 2200** - Box 20

- 100% PVC-Free.
- Available in three sizes to fit more workers.
- Dura-Mesh® shell resists collapsing in heat and humidity.
- Molded nose bridge seals easily without a metal noseband.
- Facepiece is naturally contoured without pressure points.
- Straps are securely attached so they don't break at the seal.
- Softspun® lining for increased comfort and durability.
- Soft foam nose cushion for added comfort.
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.



## Moldex 2300 P2 Valved Disposable Respirator

**RP MX 2300** - Box 10

- 100% PVC-Free.
- Available in three sizes to fit most workers in today's workplace.
- Exhale valve lets workers breathe easy and stay cool.
- Exclusive Dura-Mesh® shell resists collapsing in heat and humidity.
- Molded nose bridge seals easily and comfortably without a metal noseband.
- Facepiece is naturally contoured without pressure points.
- Soft, foam nose cushion for added comfort.
- Softspun® lining for increased comfort and durability.
- Suitable for most welding applications.
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.



## Moldex 2400 P2 Valved Disposable Respirator with Nuisance Organic Vapours

**RP MX 2400P2** - Box 10

- 100% PVC-Free.
- Added carbon layer helps filter out nuisance levels of ozone and organic vapours (less than exposure limit).
- Can be used against most welding fumes (free of oil).
- Added carbon layer helps relieve against nuisance ozone and organic vapours.
- Exhale valve lets workers breathe easy and stay cool.
- Exclusive Dura-Mesh® shell resists collapsing in heat and humidity.
- Molded nose bridge with soft foam nose cushion increases comfort.
- Facepiece is naturally contoured without pressure points.
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.



## Moldex EZ ON ® P2 Disposable with & without Valve EZ23P2 & EZ22P@

**RP MX EZ22P2** - Size Med/Large no valve Box 10

**RP MX EZ23P2** - Size Med/Large with valve Box 10

### Easy On, Easy Off

The first and only P2 approved one adjustable cotton strap respirator gives you a quick fit. The one strap with Flexwing® and head harness provides an easier and more comfortable fit than two straps. The adjustable cotton strap is cool and comfortable against the skin.

### Dura-Mesh® Shell Lasts Longer

Exclusive Dura-Mesh® shells resists collapsing, even in heat and humidity so the respirator holds its shape longer. The result is fewer respirators used and lower costs.

### Vent Hot Air, Stay Cooler

Exclusive Ventex® valve lets the hot air out faster so breathing resistance is reduced and workers stay cooler.

### P2 Non-Oil Protection

Certified to have a filter efficiency level of 95% or greater against non-oil based particulate aerosols

- 100% PVC-Free.
- Exclusive Dura-Mesh® shell resists collapsing in heat and humidity
- One strap with Flexwing® and head harness provides an easier and more comfortable fit than two straps.
- Proven durability and cost savings
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.





# Respiratory - Protection



## Moldex 2112P2 P2 Disposable Flat Fold

**RP MX 2112P2** - Size Med/Large Box 20

- Flat fold convenience with contour molded comfort
- Quick and easy to put on, unlike any other flat fold
- Individually packaged for hygiene
- Packed in a dispenser box for easy access
- Exclusive Dura-Mesh® shell resists collapsing in heat and humidity
- Molded nose bridge with soft foam nose cushion increases comfort and seals easily without a metal noseband
- Softspun® lining for increased comfort and durability
- Proven durability and cost savings
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.
- 100% PVC-Free® .



## Moldex 2600 P2 Disposable Respirator HandyStrap

**RP MX 2600P2** - Box 15

- 100% PVC-Free.
- HandyStrap® with buckle, allows mask to hang down around the user's neck when not in use.
- Cloth HandyStrap® feels cool and comfortable.
- Soft foam nose cushion for added comfort and no pressure points.
- Exclusive Dura-Mesh® shell resists collapsing in heat and humidity.
- Softspun® lining for increased comfort and durability.
- Available in two sizes, for most workers and OSHA compliance.
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.

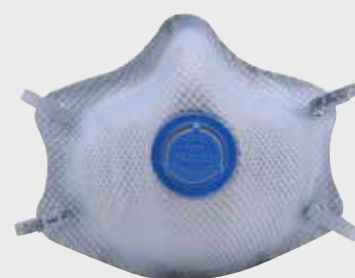


## Moldex 2700 P2 Disposable Respirator HandStrap and Ventex® Exhalation Valve

**RP MX 2701** - Small Box 10

**RP MX 2700** - Medium/Large Box 10

- 100% PVC-Free.
- HandyStrap®, with buckle, allows mask to hang around the user's neck when not in use.
- Cloth HandyStrap feels cool and comfortable.
- Ventex® valve lets the hot air out faster so workers breathe easier and stay cooler.
- Soft foam nose cushion for added comfort and no pressure points.
- Dura-Mesh® shell resists collapsing in heat and humidity.
- Softspun® lining for increased comfort and durability.



## Moldex 2500 P2 Valved Disposable Respirator with Nuisance Acid Gas

**RP MX 2500P2** - Box 10

- 100% PVC-Free.
- Plus Relief From Nuisance Levels (less than Exposure Limit) of Acid Gas Irritants.
- Exhale valve lets workers breathe easy and stay cool.
- Dura-Mesh® shell resists collapsing in heat and humidity.
- Softspun® lining for increased comfort and durability.
- Molded nose bridge with soft foam nose cushion increases comfort.
- Facepiece is naturally contoured without pressure points.
- Meets heat and flame resistance in accordance with AS/NZS 1716:2003 Resistance to Flame Test.



Industrial Protective Products (WA)  
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# Respiratory - Protection Disposable - Uvex

## uvex silv-Air system breathing protection uvex silv-Air

Uvex industrial health and safety – the systems provider with world class manufacturing expertise

protection level classification

**uvex silv-Air FFP 1** - All FFP1 filtering face masks provide reliable protection against hazardous materials up to 4 times the threshold value. Refer to AS/NZS 1715.

**uvex silv-Air FFP 2** All FFP2 filtering face masks provide reliable protection against hazardous materials up to 10 times the threshold value. Refer to AS/ NZS 1715.

### uvex silv-Air FFP 1

#### Flat Fold



#### Moulded



### uvex silv-Air FFP 2

#### Flat Fold



#### Moulded



### High Performance Moulded P2



## uvex silv-Air · 7330 high performance FFP2

**RP UV 8707.330** - New Innovation High Performance FFP 2 three-chamber system

High-performance, three-chamber climazone system, extra filters with inhalation valve for low breathing resistance and increased comfort, Mask fulfils the requirements of the dolomite dust test and therefore has lower breathing resistance during longer periods of use

- All-round comfortable face seal lip provides a positive seal and prevents exhaled air from fogging up safety eyewear
- Flexible 4-point headband attachment for a comfortable fit
- One strap with Flexwing® and head harness provides an easier and more comfortable fit than two straps.
- Two inhalation valves optimize airflow, and one large exhalation valve reduces build-up of heat and moisture inside the mask
- Two covered inhalation valves increase filtering efficiency and help maintain low breathing resistance

# Respiratory - Protection



## uvex silv-Air moulded face masks FFP1 & FFP2 face masks

**RP UV 707.110**- FFP1 moulded mask with valve - FFP1 moulded mask with exhalation valve, featuring an innovative design and an optimised shape. The mask can be worn with safety eyewear and its ergonomic shape offers increased comfort. 15 per box

**RP UV 8707.100**-- FFP1 moulded mask without valve - FFP1 moulded mask without exhalation valve, featuring an innovative design and an optimised shape. It is manufactured without plastic or metal parts for increased comfort. 20 per box

**RP UV 8707.200**- FFP2 moulded mask without valve - FFP2 moulded mask without exhalation valve, featuring an innovative design and an optimised shape. It is manufactured without plastic or metal parts for increased comfort. 20 per box

**RP UV 807.210**- FFP2 moulded mask with valve - FFP2 moulded mask with exhalation valve, featuring an innovative design and an optimised shape. The mask can be worn with safety eyewear and its ergonomic shape offers increased comfort. 15 per box

Compatible with safety eyewear due to optimised design in the nasal area  
Exhalation valve to reduce the build-up of heat and moisture inside the mask  
Skin-friendly wide soft headband

- No metal nose clip



## uvex silv-Air moulded face masks FFP1 & FFP2 face masks

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**RP UV 8707.100**-- FFP1 moulded mask without valve - FFP1 moulded mask without exhalation valve, featuring an innovative design and an optimised shape. It is manufactured without plastic or metal parts for increased comfort. 20 per box

**RP UV 8707.200**- FFP2 moulded mask without valve - FFP2 moulded mask without exhalation valve, featuring an innovative design and an optimised shape. It is manufactured without plastic or metal parts for increased comfort. 20 per box

**RP UV 807.210**- FFP2 moulded mask with valve - FFP2 moulded mask with exhalation valve, featuring an innovative design and an optimised shape. The mask can be worn with safety eyewear and its ergonomic shape offers increased comfort. 15 per box

Compatible with safety eyewear due to optimised design in the nasal area  
Exhalation valve to reduce the build-up of heat and moisture inside the mask  
Skin-friendly wide soft headband

- No metal nose clip



Industrial Protective Products (WA)  
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# Respiratory - Protection

## Half Mask Respirators



### 3M™ Half Face Respirator 4000 Series

**RP 3M 4251** (A1P2)  
Organic vapour + Particulate respirator

**RP 3M™ 4255** (A2P2)  
Organic vapour + Particulate respirator

**RP 3M™ 4277** (A1B1E1P2)  
Organic vapour / Inorganic + Acid gas / Ammonia / Particulate respirator

**RP 4279** (A1B1E1K1P2)  
Organic vapour / Inorganic + Acid gas / Ammonia / Particulate respirator

- Ideal for contractors, plant shutdowns and spill response. It eliminates the need for a separate respirator, cartridge/filter or carrying out respirator maintenance.



### 3M™ Half Face Respirator 7500 Series

**RP 3M 7501** - Small

**RP 3M 7502** - Medium

**RP 3M 7503** - Large

- Soft silicone material for extra comfort and durability
- Ideal for working in hot and humid conditions or during prolonged use
- Proprietary 3M™ Cool Flow™ Exhalation valve and design helps reduce fogging when wearing eye protection
- 3M™ Cartridges and Filters sold separately
- Meets the performance requirements of AS/NZS 1716:2012



### 3M™ Half Face Respirators 6000 Series

**RP 3M 6100B** - Small

**RP 3M 6200B** - Medium

**RP 3M 6300B** - Large

- Simple and lightweight reusable respirator
- Cradle head harness and easy to fasten neck strap
- 3M™ Cartridges and Filters sold separately
- Meets the performance requirements of AS/NZS 1716:2012



### 3M™ Half Face Respirators 6000 Series

**RP 3M 6100DD** - Small

**RP 3M 6200DD** - Medium

**RP 3M 6300DD** - Large

- Simple and lightweight reusable respirator
- Drop Down Cradle head harness and easy to fasten neck strap
- 3M™ Cartridges and Filters sold separately
- Meets the performance requirements of AS/NZS 1716:2012



### Sundström SR 75 Half Mask

**RP SEA 75** M/L

**RP SEA 100-03508** With Cradle Head Harness size Medium / Large

The SR100 silicon half face respirator is designed for heavy-duty work during extended periods.



### Sundström SR 90 Half Mask

**RP SEA 90** M/L

**RP SEA 90** S/M

**RP SEA 100-03508** With Cradle Head Harness size Medium / Large

The SR100 silicon half face respirator is designed for heavy-duty work during extended periods.



### Sundström SR 90-3 Half Mask

**RP SEA 90-3** M/L

**RP SEA 90-3** S/M

**RP SEA 100-03508** With Cradle Head Harness size Medium / Large

The SR90-3 silicon half face respirator is designed for heavy-duty work during extended periods.



### Sundström SR100 Silicon Half Mask

**RP SEA 100** M/L

**RP SEA 100** S/M

**RP SEA 100-03508** With Cradle Head Harness size Medium / Large

The SR100 silicon half face respirator is designed for heavy-duty work during extended periods. Features:

- Two exhalation valves - New valve caps with air diffusion (no clogging during spray jobs).
- Small/Medium and Medium/Large size.
- Can easily be fitted with optional SmallTalk microphone and loudspeaker.
- Accepts all Sundström filters and compressed air attachments.

# Respiratory - Protection



## Dräger X-plore® 2100 Half Masks

**RP DRA R55881** - Dräger X-plore® 2100, EPDM universal size

**RP DRA R55882** - Dräger X-plore® 2100, Silicone medium/large (m/l)

**RP DRA R55883** - Dräger X-plore® 2100, Silicone small/medium (s/m)

**RP DRA 6737352** - Particle filter 882 FMP2 SLD pack of 25

**RP DRA 6736777** - Particle filter 882 FMP3 SLD pack of 25

The Dräger X-plore® 2100 is the reusable alternative to disposable dust masks. The Dräger X-plore® 2100 is the ideal solution for people working frequently in dusty environments.

Its replaceable filters provide protection against solid and liquid particles.

This half mask offers the perfect combination of comfort, safety and cost effectiveness.



## Dräger X-plore® 3300/3500 Half Masks

**RP DRA R55331** - Small

**RP DRA R55330** - Medium

**RP DRA R55332** - Large

Dräger X-plore® half masks can provide you a perfect solution.

Choose from either the low maintenance, economical Dräger X-plore® 3300 version or the very comfortable and robust DrägerX-plore 3500® version for long-term, demanding tasks.

Major features include the "FlexiFit" headcradle, almost unnoticeable under a safety helmet. The innovative X-guided strap-system distributes weight evenly and the "swept-back" design allows for a perfect fit underwelding shields and visors.



## Dräger X-plore® 3500 half mask (with drop down harness and storage bag)

**RP DRA R55351** - Small

**RP DRA R55350** - Medium

**RP DRA R55352** - Large

Dräger X-plore® half masks can provide you a perfect solution.

Choose from either the low maintenance, economical Dräger X-plore® 3300 version or the very comfortable and robust DrägerX-plore 3500® version for long-term, demanding tasks.

Major features include the "FlexiFit" headcradle, almost unnoticeable under a safety helmet. The innovative X-guided strap-system distributes weight evenly and the "swept-back" design allows for a perfect fit underwelding shields and visors.

### Accessories

**RP DRA AG 02 460** - Bayonet Test Plug (for Pressure Drop Testing)

**RP DRA 67 38 044** - Portacount Test Adaptor Set

**RP DRA RM 07 000** - Carrying Box "Wikru"



## Moldex 8000 Series Half Mask Respirator

**RP MX 8001** - Moldex Half Mask Small

**RP MX 8002** - Moldex Half Mask Medium

**RP MX 8003** - Moldex Half Mask Large

The Moldex® 8000 Series Respirator is made of soft durable material that conforms to the contours of your face. It seals comfortably and remains sealed, even while talking.



## Moldex 7000 Series Half Mask Respirator

**RP MX 7001** - Moldex 7000 series Half Size Small

**RP MX 7002** - Moldex 7000 series Half Size Small

**RP MX 7003** - Moldex 7000 series Half Size Small

The Moldex® 7000 Series Respirator is made of soft durable material that conforms to the contours of your face. It seals comfortably and remains sealed, even while talking.

## Order Information



Call 08 93306355



Industrial Protective Products (WA)  
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# Respiratory - Protection Half Mask Respirators Kits



## Scott Safety Profile<sup>2</sup> Respirator

**RP SCO 032270** - Profile2 Half Face Respirator - Medium

**RP SCO 032271** - Profile2 Half Face Respirator - Medium

**RP SCO 032272** - Profile2 Half Face Respirator - Medium

The Scott Safety Profile2 is a twin filter half face respirator suitable for everyday tasks in the workplace. Combining comfort, protection and low through life costs. The Profile2 accepts a comprehensive range of Scott Safety Pro2 particulate, gas and combined filters. The Scott Safety Profile2 and Pro2 filters are extremely cost effective when compared with disposable, low maintenance or other re-useable respirators. Every Pro2 filter comes complete with a pre-filter cover to protect against sparks, splash and contaminants and maximise filter life. Certified to AS/NZS 1716.



## Scott Safety Profile<sup>2</sup> Respirator Kit

**RP SCO 032173ANZ** - Profile2 ReadyPak P2 (High Efficiency)

**RP SCO 032174ANZ** - Profile2 ReadyPak A2P2 (High Efficiency)

**RP SCO 032175ANZ** - Profile2 ReadyPak A1B1E1K1P2 (High Efficiency)

For "ready-to-go" convenience, the Scott Safety Profile2 ReadyPak is offered complete with half face respirator and a pair of Pro2 filters conveniently packed in a resealable storage container, providing protection for the respirator and filters. The Profile2 respirator is available in three sizes, small, medium and large.



## Moldex 8000 Series Respirator Kit

**RP MX 8111A** - Paint Spray / Pesticides (oil free) Size Small

**RP MX 8112A** - Paint Spray / Pesticides (oil free) Size Medium

**RP MX 8113A** - Paint Spray / Pesticides (oil free) Size Large



## Moldex 8000 Series Respirator Kit

**RP MX 8601A** -Multigas / 8000 Series Kit Size Small

**RP MX 8602A** -Multigas / 8000 Series Kit Size Medium

**RP MX 8603A** -Multigas / 8000 Series Kit Size Large



# Respiratory - Protection



## Moldex 7000 Series Respirator Kit

**RP MX 7101A** - Moldex 7000 series Organic Vapors Pre-assembled Respirator Size Small

**RP MX 7102A** - Moldex 7000 series Organic Vapors Pre-assembled Respirator Size Medium

**RP MX 7103A** - Moldex 7000 series Organic Vapors Pre-assembled Respirator Size Large



## Moldex 7000 Series Respirator Kit

**RP MX 7111** - Moldex 7000 series Paint Spray / Pesticides (oil free) Size Small

**RP MX 7112** - Moldex 7000 series Paint Spray / Pesticides (oil free) Size Medium

**RP MX 7113** - Moldex 7000 series Paint Spray / Pesticides (oil free) Size Large



## Moldex 7000 Series Respirator Kit

**RP MX 7171A** - Moldex 7000 series Oil or Water-based Paint Spray/Pesticide Pre-assembled Respirator Size Small

**RP MX 7172A** - Moldex 7000 series aPaint Spray/Pesticide Pre-assembled Respirator Size Medium

**RP MX 7173A** - Moldex 7000 series Oil or Water-based Paint Spray/Pesticide Pre-assembled Respirator Size Large



## Moldex 7000 Series Respirator Kit

**RP MX 7171A** - Moldex 7000 series Multi-Gas/Vapor Smart@Pre-assembled Respirator Size Small

**RP MX 7172A** - Moldex 7000 series Multi-Gas/Vapor Smart@ Pre-assembled Respirator Size Medium

**RP MX 7173A** - Moldex 7000 series Multi-Gas/Vapor Smart@ Pre-assembled Respirator Size Large



Industrial Protective Products (WA)  
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# Respiratory - Protection Half Mask Respirators KIts



## 3M™ Dust/Particle Respirator Kit 6225, P2

### RP 3M 6225

#### Kit Includes:

- + 1 x 3M™ Half Face Respirator 6000 Series - Medium
- + 1 x pair of 3M™ Particulate Filters 2125, P2
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy storage container



## 3M™ Welding Respirator Kit 6228, GP2

### RP 3M 6228

- 1 x 3M™ Half Face Respirator 6000 Series - Medium
- + 1 x pair of 3M™ Particle & Metal Fume Filters 2128, GP2
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ Skull Screws™ Earplugs P1300, Class 5
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container



## 3M™ Spraying Respirator Kit 6251, A1P2

### RP 3M 6251

#### Kit Includes:

- + 1 x 3M™ Half Face Respirator 6000 Series - Medium
- + 1 x pair of 3M™ Organic Vapour Cartridges 6051, A1
- + 1 x pair of 3M™ Particulate Filters 5925, P2
- + 1 x pair of 3M™ Filter Retainers 501
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container



## 3M™ Multi-Gas Respirator Kit 6259, A1B1E1K1P2

### RP 3M 6259

#### Kit Includes:

- + 1 x 3M™ Half Face Respirator 6000 Series - Medium
- + 1 x pair of 3M™ Multi-Gas Cartridges 6059, A1B1E1K1
- + 1 x pair of 3M™ Particulate Filters 5925, P2
- + 1 x pair of 3M™ Filter Retainers 501
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container



## 3M™ Welding Respirator Kit 7528, GP2

### RP 3M 7528

#### Kit Includes:

- + 1 x 3M™ Half Face Respirator 7500 Series - Medium
- + 1 x pair of 3M™ Particle & Metal Fume Filters 2128, GP2
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ Skull Screws™ Earplugs P1300, Class 5
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container
- 1x Clear Storage Container.



# Respiratory - Protection



## 3M™ Spraying Abbestos Kit 7535GRKIT

**RP 3M 7535GRKIT-S**  
**RP 3M 7535GRKIT-S**  
**RP 3M 7535GRKIT-S**

Includes:

1 x 3M™ Half Face Respirator 7500 Series -  
+ 1 x tray (2 pairs) of 3M™ Particulate Filters 6035, P2  
+ 1 x pair of 3M™ Filter Retainers 501  
+ 4 x 3M™ Respirator Cleaning Wipes 504  
+ 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4  
+ 1 x 3M™ Respiratory Protection Guide  
+ 1 x Handy Storage Container



## 3M™ Spraying Respirator Kit 7551, A1P2

**RP 3M 7551**

Includes:

1 x 3M™ Half Face Respirator 7500 Series - Medium  
+ 1 x pair of 3M™ Organic Vapour Cartridges 6051, A1  
+ 1 x box (5 pairs) of 3M™ Particulate Filters 5925, P2  
+ 1 x pair of 3M™ Filter Retainers 501  
+ 4 x 3M™ Respirator Cleaning Wipes 504  
+ 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4  
+ 1 x 3M™ Respiratory Protection Guide  
+ 1 x Handy Storage Container



## Sundström Basic Box with 297 ABEK1 and 510 P3 Filters

**RP SEA 170-04224**

Includes:

1x SR90-3 TPE Hal Mask M/L.  
1x SR297 ABEK1 Gas Filter.  
1x SR510 P3 Particle Filter.  
5x SR221-1 Pre-filter.  
1x Pre-filter Holder.  
1x Face Fit Black Test Disc.  
1x Cleaning Napkin.  
1x Clear Storage Container.



## Sundström Basic Box with 217 A1 and 510 P3 Filters

**RP SEA 170-04223**

Includes:

1x SR90-3 TPE Hal Mask M/L.  
1x SR217 A1 Gas Filter.  
1x SR510 P3 Particle Filter.  
5x SR221-1 Pre-filter.  
1x Pre-filter Holder.  
1x Face Fit Black Test Disc.  
1x Cleaning Napkin.  
1x Clear Storage Container.



## Sundström Basic Box with 315 ABE1 and 510 P3 Filters

**RP SEA 171-05465**

Includes:

1x SR100 Silicon Half Mask M/L  
1x SR315 ABE1 Gas Filter.  
1x SR510 P3 Particle Filter.  
5x SR221-1 Pre-filter.  
1x Pre-filter Holder.  
1x Face Fit Black Test Disc.  
1x Cleaning Napkin.  
1x Clear Storage Container.

## Order Information



**Call 08 93306355**



**Industrial Protective Products (WA)**  
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# Respiratory - Protection

## Full Face Respirators



### 3M™ Full Face Respirators 6000 Series

**RP 3M 6700** - Small

**RP 3M 6800** - Medium

**RP 3M 6900** - Large

- Spare parts & accessories also available e.g. Replacement visor, lens covers and spectacle kit.
- Lightweight and well balanced
- Simple and easy to use
- Wide field of vision. Polycarbonate, high impact visor
- 3M™ Cartridges and filters sold separately
- Meets the performance requirements of AS/NZS 1716:2012



### 3M™ Full Face Respirators 6000 Series

**RP 3M 6700DIN** - Small

**RP 3M 6800DIN** - Medium

**RP 3M 6900DIN** - Large

The 3M™ Full Face Respirator 6000DIN Series is simple to use and comfortable for the wearer. The DIN exhalation port is designed for use with approved DIN Thread Filter Canisters.

- Lightweight and well balanced
- Simple and easy to use
- Wide field of vision. Polycarbonate, high impact visor
- The 6000DIN respirators can also be connected to certain powered and supplied systems
- 6000 Series Full Face Respirators including 6000DIN to AS/NZS 1337:1992 High Impact and protection from hot solids
- If converted to a negative pressure respirator then the following apply
- 6000 Series Gas and Vapour filters to AS/NZS 1716:2012, EN14387:2004 + A1:2008
- 2000 and 5000 Series and 6035, 6038 Particulate filters to AS/NZS 1716:2012, EN143:2000 / A1:2006.
- Meets the performance requirements of AS/NZS 1716:2012



### 3M™ Full Face Respirators 6000 Series Spares & Accessories

**RP 3M 6894** - Din thread Adapter



**RP 3M 6898** - Small Replacement Lense



**RP 3M 6885** - Cover Tear Offs



**RP 3M 601** - Portacount test adapter for Half Face and Full Face in 6000 series

There are many other accessories available please contact IPp(WA) for further information



### 3M™ Full Face Respirators 7800 Series

**RP 3M 7800S** - Small

**RP 3M 7800M** - Medium

**RP 3M 7800L** - Large

- Spare parts & accessories also available e.g. Replacement visor, lens covers and spectacle kit.
- Lightweight and well balanced
- Simple and easy to use
- Wide field of vision. Polycarbonate, high impact visor
- 3M™ Cartridges and filters sold separately
- Meets the performance requirements of AS/NZS 1716:2012

# Respiratory - Protection



## 3M™ Asbestos/Dust Respirator Kit 6835, P3

**RP 3M 6835-Small -**  
**RP 3M 6835- Medium**  
**RP 3M 6835-Large**

Convenient respiratory kit designed for asbestos removal & environments containing dust. The kit comes complete with the 3M™ Full Face 6000 Series Respirator & two pairs of 3M™ Particulate Filters 6035 P2/P3\*. The unique solid top particulate filter casing design reduces premature caking & clogging from dirt, grime, water or dust. The protective casing also aids decontamination practices.

Kit Contains:

1 x 3M™ Full Face Respirator 6000 Series  
 2 x pair of 3M™ Particulate Filters 6035 P2/P3\*  
 4 x 3M™ Respirator Cleaning Wipes 504  
 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4 (SLC80: 25dB)  
 1 x 3M™ Respiratory Protection Guide  
 1 x Handy Storage Container

\*Higher P3 Protection Factors only achieved with a 3M Full Face Respirator, otherwise P2 protection level when worn on a 3M Half Face Respirator.

### Protection Factors

Note that any filtering respirator should not be used for protection at airborne concentrations of contaminants above the relevant IDLH levels.

This cartridge/filter, when used for protection against the contaminants as specified, is capable of providing the following protection levels:

- With a 3M 6000 Full Face Respirator: 100 times the Workplace Exposure Standard (WES) or 30 ppm, whichever is the lower

• Certified to AS/NZS 1716:2012.



## SEA Silicon Full Face Mask

**RP SEA 110-04179** - w/ cloth head harness & PC visor

**RP SEA 110-04852** - w/ natural rubber head harness & PC visor

**RP SEA 110-04213** - w/ cloth head harness & glass visor

**RP SEA 110-04851** - w/ natural rubber head harness & glass visor

- Head harness can be fitted with low-profile buckles for use with hard hats and hearing protection.

- Plastic film speech diaphragm for good voice transmission.

- Can easily be fitted with optional SmallTalk microphone and loudspeaker.

- Spectacles easily fitted inside mask.

- Polycarbonate or triplex visors - easily exchanged.

- May be used with threaded filters, Sundström filters (using the SR280 adaptor) and compressed air devices.



## SR200 Silicon Full Face Mask

**RP SEA 200** - with poly carbonate visor

**RP SEA 200G** - with glass visor

The SR200 full face respirator provides very high protection at heavy-duty work for extended periods. The respirator offers added eye and face protection, and a higher protection factor than half masks.

- Very high protection factor (NPF 2000).

- Two exhalation valves.

- Valve caps with air diffusion (no clogging during spray jobs).

- Low weight.

- Fabric or natural rubber head harness.

- Unique curved visor of polycarbonate or laminated glass for very wide and deep field of vision.

- Part of inhalation air is channelled across the visor to minimise mist forming.

- Can easily be fitted with optional SmallTalk microphone and loudspeaker.

- Accepts all Sundström filters and compressed air attachments.



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# Respiratory - Protection

## Full Face Respirators



### Moldex 9000 Series Twin Filter Full Face Respirator

**RP MX 9001** - Moldex 9000 Series Full Face Respirator Size Small  
**RP MX 9002** - Moldex 9000 Series Full Face Respirator Size Medium  
**RP MX 9003** - Moldex 9000 Series Full Face Respirator Size Large

High-tech, streamlined design for exceptional worker acceptance

- Exclusive over-molded lens offers greater field of vision
- Lighter weight for superior all-day comfort
- Fewer parts means less cost and easy maintenance
- Stand-away head harness for easy donning and doffing
- Lens stays away from flat surface when laid down to avoid scratching
- Tear away lens protector included
- Lens meets ANSI Z87+ for high impact requirements

Completely Metal-Free

The 9000 is completely metal-free, making it ideal for mines, refineries and other work environments where metal may be hazardous.

On & Off Made Easy

A convenient ratchet fastening strap system and the standaway head harness make putting the 9000 mask on and taking it off quick and easy. The strap tabs are securely molded directly to the flange for rugged use.

- Certified to AS/NZS 1716:2012.



### Dräger X-plore® 6300 Full Face Mask

**RP DRA R55800** - Dräger X-plore® 6300 EPDM/PMMA

The Dräger X-plore® 6300 is the efficient yet low-cost full face breathing mask intended for price-conscious users not wishing to compromise on comfort or quality. This full face mask is the successor to the Panorama Nova Standard, a mask which has proven itself over decades of use worldwide - redesigned and improved with fresh colours and an integrated bar code. The Dräger X-plore® 6300 is designed for use by professionals in industry, and meets the highest demands for reliability, fit and comfort. Together with the respiratory filters from Dräger's comprehensive X-plore® Rd40 filter range, it has proven suitable for a wide range of different applications. For longer application periods this mask can be used together with the Dräger powered air purifying respirators (e.g. X-plore® 7300 or 7500 series).



### Dräger X-plore® 6570 Full Face Mask

**RP DRA R51535** - Dräger X-plore® 6570 SI/PC

The Dräger X-plore® 6570 is the high comfort silicone full face mask used by professionals in a wide variety of applications. It meets the highest demands for quality, reliability, secure fit and comfort. This full face mask is the successor to the Panorama Nova masks, a range which has proven itself over decades of use worldwide.

The Dräger X-plore® 6570 is compatible with the respiratory filters from Dräger's comprehensive X-plore® Rd40 filter range. This mask covers a wide range of applications and is versatile in use. For applications with unknown contaminants or in oxygen deficient environments, the Dräger X-plore® 6570 can be used in combination with a self-contained breathing apparatus.



### Dräger X-plore® 5500 Full Face Mask

**RP DRA R55270** - Dräger X-plore® 5500 EPDM/PC

**RP DRA R56655** - Dräger X-plore® 5500 EPDM/Triplex

Experience a new dimension of comfort and safety in respiratory protection: The Dräger X-plore® Series. Wherever respiratory protection is needed, e.g. at chemical and steel plants, automobile and shipping industry, maintenance, utilities supply and disposal, Dräger X-plore® full face masks can provide you a perfect solution.

# Respiratory - Protection



## Scott Promask Twin Filter Full Face Respirator

**RP SCO 012890** - Promask Twin Full Face Respirator

The Scott Safety Promask Twin is a full face respirator designed to provide a low profile fit and exceptional balance. The Promask Twin is suitable for close up and restricted access working.

Two visor options are available for this mask; polycarbonate or hard coated polycarbonate when additional scratch resistance is a must. Compatible with the complete range of Pro+ filters.

- Silicone facepiece.
- Wide sealing edge provide superior fit.
- T bar 5 point head harness for increased wearer comfort and fit.
- Sweat port in chin pocket providing added comfort during extended wear times.
- Quick release headband.
- Slim-line design allows easy integration with helmets and earmuffs.
- Certified to AS/NZS 1716:2012.



## Scott Safety Sari Single Filter Full Face Respirator

**RP SCO 011680** - Sari Full Face Respirator (Natural rubber) Polycarbonate visor - Grey

**RP SCO 011685** - Sari Full Face Respirator (Silicone) Polycarbonate visor - Yellow

**RP SCO 011987** - Sari Full Face Respirator (Natural rubber) with Triplex visor - Grey

- Wide sealing edge.
- Secure fit on the face due to anatomic chin cup.
- Misting prevented by air flow directed across the inside of the visor.
- Safeguarded speech diaphragm affords communication.
- Fully adjustable five point elastic head harness with quick release buckles.
- Available in Natural Rubber or Silicone.
- Available in 3 visor types Polycarbonate, Polyamide or Triplex glass.
- Utilises full range of Scott Safety Pro2000 filters (sold separately) or attaches to PAPR or Airline systems.
- Certified to AS/NZS 1716:2012.



## Scott Safety Promask Single Filter Full Face Respirator

**RP SCO 012670** - Promask Full Face Respirator - Small

**RP SCO 012681** - Promask Full Face Respirator - Medium / Large

The Scott Safety Promask Single is a multi-functional full face respirator suitable for use with negative pressure and powered air respirators. The Promask provides protection against a wide range of respiratory hazards. Available in two sizes, medium (general size) and small, during extended wear times. The Promask Single utilises the full range of Scott Safety Pro2000 filters.

- Halo-butyl elastomer face piece materia.
- Outstanding speech transmission.
- Wide sealing edge provide superior fit.
- T bar 5 point head harness for increased wearer comfort and fit.
- Sweat port in chin pocket providing added comfort during extended wear times.
- Slim-line design allows easy integration with helmets and earmuffs.
- Hoses to suit PAPR purchased separately.
- Certified to AS/NZS 1716:2012.



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# Respiratory - Protection Replacement Filters



## 3M Half Mask and Full Face Mask Filters

The 3M™ Cartridge Filters 6000 Series attach to 3M™ Half and Full Face Respirators to provide gas and vapour protection. The 3M™ Particulate Disc Filters 2000 series attach to the 3M™ Half and Full Face Respirators to provide particulate protection. Cartridges & Filters are tested to AS/ NZS 1716

The 3M™ Cartridge Filters 6000 Series attach to 3M™ Half and Full Face Respirators to provide gas and vapour protection. They are lightweight, well balanced when fitted to a mask, provide excellent field of vision as a result of the unique trapezoidal shape and the 3M™ Bayonet Fixing System ensures precise and secure locking. You can also attach 3M Dust/Mist Filter 5125 to your cartridges with the 3M Filter Retainer 504 to add particulate protection. The 3M™ Particulate Disc Filters 2000 series attach to the 3M™ Half and Full Face Respirators to provide particulate protection. They are lightweight, low breathing resistance, give excellent field of vision and the 3M™ Bayonet Fixing System ensures precise and secure locking.

- Contains advanced Electret Media for maximal filtration efficiency & light weight.
- Low breathing resistance.
- Excellent field of vision.
- Good balance of weight on face.
- Lighter than conventional filters that provide comparable protection.
- Durable, water-resistant and flame retardant.
- Bayonet fitting ensures precise & safer locking.
- Versatility: can be used on all 3M 6000, 3M 7000 & 3M 7500 Series Half Masks and Full Face Masks.

## Particulate Filters

**RP 3M 2125** - Particulate Filter - P2

**RP 3M 2128** - Particulate Filter - P2/P3

**RP 3M 2135** - Particulate, Ozone and Agricultural type organic Vapours with low vapour pressure Filter - GP2

**RP 3M 2138** - Particulate, Ozone and Agricultural type organic Vapours with low vapour pressure Filter - GP2/ GP3

**RP 3M 2076** - Particulate and Hydrogen Fluoride Filter - P2HF

**RP 3M 6035** - Particulate Filter - P2/P3

**RP 3M 6038** - Particulate, Hydrogen Fluoride, Nuisance Level Organic Vapours and Acid Gas Filter - P2/P3HF

**RP 3M 5925** - Particulate Pre Filter - P2

**RP 3M 5935** - Particulate Pre Filter - P3

## Gas and Vapour Filters

**RP 3M 6051** - Organic Vapours (boiling point greater than 65 degrees C) - A1

**RP 3M 6054** - Ammonia and Methylamine - K1

**RP 3M 6055** - Organic Vapours (boiling point greater than 65 degrees C) - A2

**RP 3M 6057** - Organic Vapours (boiling point greater than 65 degrees C), Inorganic Vapours and Acid Gases - A1B1E1

**RP 3M 6059** - Organic Vapours (boiling point greater than 65 degrees C), Inorganic Vapours and Acid Gases, Ammonia and Methylamine - A1B1E1K1

**RP 3M 6075** - Organic Vapours (boiling point greater than 65 degrees C) and Formaldehyde - A1Form

**RP 3M 60926** - Organic Vapours (boiling point greater than 65 degrees C), Inorganic Vapours and Acid Gases, Ammonia, Methylamine and Particulates - A1B1E1K1

**RP 3M 6096** - Organic Vapours (boiling point greater than 65 degrees C), Metallic/Inorganic Mercury Vapours, Chlorine Gas and Particulates - A1HgP3

**RP 3M 6098** - Low Boiling Point Organic Vapours (boiling point less than 65 degrees C) - AXP3

**RP 3M 6099** - Organic Vapours (boiling point greater than 65 degrees C), Inorganic Vapours and Acid Gases, Ammonia, Methylamine and Particulates - A2B2E2K2

## Accessories

**RP 3M 501A - 501A** Particulate Filter Retainer to hold 5925 and 5935 filter

# Respiratory - Protection



## Sundstrom Filter Range

### RP SEA 221-1 - SR221-1

Pre-filter always keep a clean pre-filter fitted to your main filter, and you can be sure of longer filter life. Superb low-cost protection against liquid splashes and coarse particles before they reach the main filter. Use a pre-filter at all times. With a snap-on design and tiny cost, it's the smartest accessory of all.

### RP SEA 217 - SR217 A1

Organic gas filter, class A1 (regular capacity). Used against vapour from organic substances with a boiling point exceeding +65°C (150°F).

### RP SEA 218 - SR218 A2

Organic gas filter, class A2 (high capacity). Used against vapour from organic substances with a boiling point exceeding +65°C (150°F).

### RP SEA 297 - SR297 ABEK1

Gas Filter Organic gas/inorganic gas/acid gas/ammonia filter, class ABEK1. Used against vapour from organic gases with a boiling point exceeding +65°C (150°F), inorganic gas, acid gas.

### RP SEA 510 - SR510 P3

Particle Filter High performance particle filter, class P3. Used against all types of wet and dry particles, such as dust, smoke, aerosols, spray, asbestos, bacteria, viruses and mould. The filter flange features an O-ring that optimises the seal to the front rim of Sundström gas filters.

### RP SEA 315 - SR315 ABE1

Organic gas/inorganic gas/acid gas filter, class ABE1. Used against vapour from organic gases with a boiling point exceeding +65°C (150°F), inorganic gas and for acid gas and vapour.

### RP SEA 299 - SR299 ABEK1HgP3

Combination Filter Organic gas/inorganic gas/acid gas/ammonia/mercury/particle filter, class ABEK1HgP3. The filter protects against the following types of gases, vapours and particles:

A- Organic gases and vapours, such as solvents, with boiling points above +65°C (150°F)

B- Inorganic gases and vapours, such as chlorine, hydrogen sulphide, hydrogen cyanide

E- Acid gases and vapours, such as sulphur dioxide, hydrogen fluoride

K- Ammonia and certain amines, such as ethylene diamine

Hg- Mercury vapour. NOTE: max use 50 hours

P3- All types of particulates, such as dust, mist and smoke

## Moldex 8000 Series Filter Cartridges complete with Valve

**RP MX 8100A** - Filter Cartridge Organic Vapours A1

**RP MX 8600A** - Filter Cartridge Multi Gas A1,B1,E1,K1

**RP MX 8030A** - Filter Cartridge Particulates HEPA P2/P3

**RP MX 8750A** - Filter Disc P2 / Nuisance Ozone Slimline

**RP MX 8010A** - Prefilter Disc P2

**RP MX 8020** - Prefilter Retainer

## Moldex 7000 & 9000 Series Filter Cartridges

**RP MX 7100A** - Filter Cartridge Organic Vapours A1

**RP MX 7600A** - Filter Cartridge Multi Gas A1,B1,E1,K1

**RP MX 7940A** - Filter Cartridge Particulates HEPA P2/P3

**RP MX 7960A** - Filter Disc P2 / Nuisance Ozone Slimline

**RP MX 7990A** - P2/P3 Cartridge Filters

**RP MX 7920A** - Piggy Back Adapter



# Respiratory - Protection Replacement Filters



## Scott Safety Pro2000 Single Filters

Scott Safety's Pro2000 filters are suitable for use with the Scott Safety Promask Single, M95 and M98 full face respirators, and a selected number are approved for use with Scott Safety Powered Respirators. Scott Safety Pro2000 filters have a 40 mm thread connection.

• Certified to AS/NZS 1716:2012

## Particulate Filters (PF)

**RP SCO 052670** - Pro2000 Filter PF 10 P3 Solid & liquid particles, radioactive/toxic particles, bacteria & viruses, fumes/mists.

## Gas Filters (GF)

**RP SCO 042870** - Pro2000 Filter GF 22 A2 Organic gases & vapours eg. solvents with boiling point higher than 65°C.

**RP SCO 042873** - Pro2000 Filter GF 22 K2 Ammonia & organic ammonia derivatives.

**RP SCO 042979** - Pro2000 Filter GF 32 A2B2E2K2 Organic, inorganic, acid gases & vapours, ammonia & ammonia derivatives.

**RP SCO 042970** - Pro2000 Filter GF 32 AX Gases & vapours from organic compounds with a boiling point below 65°C.

## Combination Filters (CF)

**RP SCO 042670** - Pro2000 Filter CF 22 A2-P3 Organic gases & vapours with boiling point higher than 65°C, solid & liquid particles.

**RP SCO 042671** - Pro2000 Filter CF 22 B2-P3 Inorganic gases & vapours (formaldehyde), solid & liquid particles.

**RP SCO 042673** - Pro2000 Filter CF 22 K2-P3 Ammonia & organic ammonia derivatives, solid & liquid particles.

**RP SCO 042674** - Pro2000 Filter CF 22 A2B2-P3 Organic, inorganic gases & vapours, solid & liquid particles.

**RP SCO 042799** - Pro2000 Filter CF 32 A2B2E2K2-P3 Organic, Inorganic & acid gases & vapours, ammonia & ammonia derivatives, solid & liquid particles.

**RP SCO 042770** - Pro2000 Filter CF 32 AX-P3 Organic gases & vapour compounds with a boiling point below 65°C, solid & liquid particles.

**RP SCO 042678** - Pro2000 Filter CF 32 A2B2E1-P3 Organic & Inorganic, acid gases & vapours, acid gases & vapours, solid & liquid particles.

**RP SCO 042778** - Pro2000 Filter CF 22 A1E1Hg-P3 Organic gases & vapours, acid gases & vapours, mercury vapour, solid & liquid particles.

**RP SCO 042568** - Pro2000 Filter CF 32 A2B2E2K2-P3 NBC Nuclear, Biological & Chemical (foil bag).

**RP SCO 042798** - Pro2000 Filter CF 32 A1B1E1K1Hg-P3 Organic/Inorganic, acid gases & vapours, ammonia & ammonia derivatives, mercury vapour, solid & liquid particles.

**RP SCO 045080** - Pro2000 Filter CFR 22 A1B1E1K1 NO CO20-P3 Organic, inorganic acid gases and vapours, Ammonia and organic ammonia derivatives, Nitrogen oxides, carbon monoxide, solid and liquid, radioactive and toxic particles and micro-organisms.

**RP SCO 045070** - Pro2000 Filter CFR 32 A2B2E2K1HG NO CO20-P3 Organic, inorganic acid gases and vapours, Ammonia and organic ammonia derivatives, Mercury, Nitrogen oxides and carbon monoxide, solid and liquid, radioactive and toxic particles and micro-organisms, eg. bacteria and viruses.

## Pre-filters

**RP SCO 052691** - Pre-filters for Pro2000 filters (20pk).

**RP SCO 052692** - Pre-filter kit for Pro2000 filters (2 pre-filter holders & 6 pre-filters).

**RP SCO 052693** - Seat covers for Pro2000 filters polyethylene (2pk).



# Respiratory - Protection



## Scott Safety Pro+ Filters

The Scott Safety Pro+ range of filters are designed for use with the Scott Safety's Profile+ half and Scott Safety Promask Twin full face respirators. Particle, gas and combined cartridges from the Scott Safety Pro+ range use a bayonet locking mechanism and feature unique protective covers with recessed inlet grills. The covers protect the filters from splashes and sparks. Filters are positioned with the inlet grills to the rear for good balance and an unobstructed field of vision. \* P2 when used with Profile+ Half Face Respirator and P3 when used with Promask Twin Full Face Respirator. The Scott Safety P2 Pad and Retainer system is used in conjunction with the Scott Safety Pro+ gas and vapour filters to provide P2 protection and extend filter life.

- Filters to suit both Profile+ Half Mask and Promask Twin Full Face Respirators.
- Economical replacement P2 pad system - suitable for 044071 and 044072 Pro+ gas filters.
- Certified to AS/NZS 1716:2012.

## Particulate Filters

**RP SCO 053070** - Pro+ Filter P2/P3\* Particulates (High Efficiency) Solid/liquid particles, radioactive/toxic particles, bacteria, viruses, fumes/mists.

## Gas Filters

**RP SCO 044071** - Pro+ Filter A2 Org G/V Organic gases & vapours eg. solvents with a boiling point higher than 65°C.

**RP SCO 044072** - Pro+ Filter A1B1E1 Org/Inorg & Acid G/V Organic, inorganic, acid gases & vapours.

**RP SCO 044073** - Pro+ Filter A1B1E1K1 Org/Inorg, Acid G/V & Ammonia, Organic, inorganic, acid gases & vapours, ammonia.

RP SCO 053067 - Retainers (pair) for use with P2 Pads RP SCO 053068 P2 Pads/Retainers used with Pro+ filters RP SCO 044071, RP SCO 044072 & RP SCO 044073.

**RP SCO 053068** - P2 Pad Filters for use with Retainer & Pro+ Filters (5pairs/pk) P2 Pads/ Retainers used with Pro+ filters RP SCO 044071, RP SCO 044072 & RP SCO 044073.

## Combination Filters

**RP SCO 044081** - Pro+ Filter A2P2/P3\* Org G/V & Particles, Organic gases & vapours, solid & liquid particulates.

**RP SCO 044082** - Pro+ Filter A1B1E1P2/P3\* Org/Inorg, Acid G/V & Particles, Organic, inorganic, acid gases & vapours, solid & liquid particles.

**RP SCO 044083** - Pro+ Filter A1B1E1K1P2/P3\* Org/Inorg/Acid G/V, Ammonia & Particles, Organic, inorganic, acid gases & vapours, ammonia, solid & liquid particles.

## Pre-Filters

**RP SCO 052691** - Pre-filter for Pro+ Filters (20pk) Used with Pro+ filters RP SCO 053070, RP SCO 044082, RP SCO 044083 & RP SCO 044081.



Industrial Protective Products (WA)  
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# Respiratory - Protection Replacement Filters



## Dräger X-plore® Bayonet Filters

Experience a new dimension of comfort and safety in respiratory protection

The Dräger X-plore® Twinfilter series.

It sets the benchmark in comfort and use. The utilization of modern materials coupled with an attractive design guarantees maximum comfort and user acceptance.

The new Dräger X-plore® Bayonet filter range with a Dräger-specific bayonet connection offers many benefits

- extensive range for all major applications
- fits Dräger X-plore® 3300 / 3500 half masks and Dräger X-plore® 5500 full face masks
- white particle filter housing for easy identification of P3 filters
- option to upgrade a gas filter to a combination filter by simply adding a P1 or P2 pad or Dräger X-plore® Pure Filter
- great fit under face shields and visors High Level of User Safety
- easy and safe handling
- CE-certified (EN 14387, EN 143:2000/A1:2006)
- labelling "R""": certified for reuse (more than one shift)
- Australian Standard AS /NZS 1716 certified (SAI Global)
- robust filter with a blue ABS plastic housing
- safe, quick and easy bayonet connection with clear guidance for bringing the filter securely into place
- both filters inserted top-down for secure positioning
- Dräger VOICE filter selection program helps to select the right filter for the application ([www.drager.com/voice](http://www.drager.com/voice))
- free online-training for respiratory protection ([www.draeger.com/apr-training](http://www.draeger.com/apr-training)) Extremely Economical
- packaged in pairs (incl. instructions for use) for optimum protection of the unused filters
- shelf life (from date of production): gas and combination filters 6 years, particle filters 12 years, pads 3 years
- reduced costs due to compatibility, pre-filter, add-on pad and Dräger X-plore® Pure options
- pre-filters, to protect combination filters against clogging and blocking

### Particle Filters

RP DRA 6738011 - P3  
 RP DRA 6738353 - Pure P2  
 RP DRA 6738354 - Pure P3  
 RP DRA 6738391 - Pure Odour P3  
 RP DRA 6738001 - Pad P1  
 RP DRA 6738002 - Pad P2  
 RP DRA 6738038 - Pad Retaine  
 RP DRA 6738039 - Pad Bas  
 RP DRA 6738159 - Pre-filter for combination filter  
 RP DRA 6737576 - Pre-filter cap

### Gas Filters

RP DRA 6738872 - A1  
 RP DRA 6738873 - A  
 RP DRA 6738775 - A2B2  
 RP DRA 6738778 - A1B1E1  
 RP DRA 6738816 - A1B1E1K

### Combi Filters

RP DRA 6738872 - A1  
 RP DRA 6738873 - A2  
 RP DRA 6738775 - A2B2  
 RP DRA 6738778 - A1B1E1  
 RP DRA 6738816 - A1B1E1K1

# Respiratory - Protection



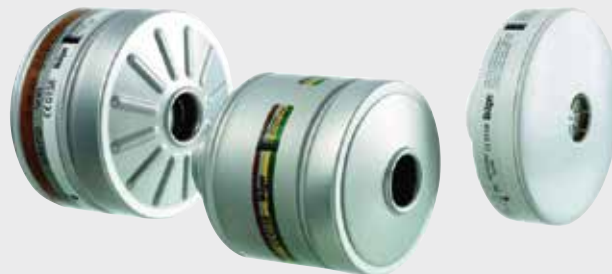
## Dräger X-plore® Rd40 Filters

**RP DRA 6732974 - P3**

**RP DRA 6738932 - 1140 P3 R (incinerable)**

Whether used in chemical industry or automobile industry, shipbuilding, metal processing industry or by public utility services – for decades Dräger respiratory protection filters have been a synonym for experience and safety worldwide. They clean breathable air from contaminants in a low-cost and effective manner. The Dräger X-plore® Rd40 series of filters with standard thread connection in accordance with EN 148-1 has stood the test of time and offers decisive benefits.

- wide range of application
- extensive range of filter types for all major areas of application
- suitable for all half and full face masks available on the market with connectors conforming to EN 148-1 high level of user safety
- comprehensive filter selection assistance programme in the Dräger VOICE Hazardous Substances Database on the Internet ([www.draeger.com/voice](http://www.draeger.com/voice))
- CE approved (EN 141:2000 re. EN 14387, EN 143:2000, EN 371) and SAI Global-approved (Australia)
- detailed information documents
- filter with aluminium housing to ensure reliable recognition of possible filter damage
- over 70 years of experience in filter technology economy
- individually packaged for optimum protection of the unused filter
- resealable for longer use
- shelf life (from date of production): 6 years for gas and combination filters, 12 years for particle filters
- recyclable (Dräger recycling programme)



## Dräger Gas Filters

RP DRA 6738855 - 940 A2

RP DRA 6738796 - 940 E2

RP DRA 6738856 - 940 K2

RP DRA 6738863 - 1140 AX

RP DRA 6738782 - 1140 AXB2

RP DRA 6738779 - 940 A2B2

RP DRA 6738775 - 940 A2B2E2K1

RP DRA 6738804 - 1140 A2B2E2K2

## Dräger Combi Filters

RP DRA 6738857 - 940 A2 P2

RP DRA 6738860 - 1140 A2 P3

RP DRA 6738780 - 940 A2B2 P2

RP DRA 6738783 - 1140 A2B2 P

RP DRA 6738862 - 1140 AX P3

RP DRA 6738858 - 940 K2 P2

RP DRA 6738803 - 940 A2B2E2K1 P2

RP DRA 738803 - 940 A2B2E2K2P2 RD

RP DRA 6738815 - 1140 A2B2E2K1 Hg P

RP DRA 6738797 - 1140 A2B2E2K2 Hg P3

RP DRA 6738801 - 1140 A1B2E2K1 Hg NO CO 20 P3

RP DRA 6738814 - 1140 A2B2E2K2 Hg NO CO 20 P3"



**Industrial Protective Products (WA)**  
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# Respiratory - Protection PAPR - Cleanspace™ Series

## CleanSpace™

wearable protective masks

### About Cleanspace™ RESPIRATORS

PAFtec Australia Pty Ltd is a company specialising in respirator design and manufacture.

Founded by engineers, PAFtec understands that respiratory protection should be comfortable, safe and easy to use. Innovation and providing the highest quality products is at the heart of everything we do. CleanSpace™ builds on a combination of technologies found in today's industrial respirators, medical respiratory devices and consumer electronics. The team has previously designed medical products from concept to manufacturing that are currently being used by millions of people around the world. Their expertise is the reason our products are safe, robust and high performing, even in the harshest environments.

Our dedication to reliability and quality is reflected in the Company's Quality Management System, which is accredited to the globally recognised ISO 9001 standard. As part of PAFtec's ISO9001 accredited Australian operations, there is a preferred supplier program and stringent quality control processes for all components. Every CleanSpace2™ respirator is individually tested for quality and performance in our ISO9001 factory in Australia. The CleanSpace2™ respirator and accessories are designed and assembled in Australia from quality components made in China, Taiwan, US and Australia.

### CLEANSPACE™

#### POWERED RESPIRATOR

A major innovation in personal respiratory protection - a compact and light weight power unit is cushioned around the back of the neck, counter-balancing the soft silicone low profile mask and providing fresh, clean air, on demand, as you breathe. This unique method of personal respiratory protection delivers significant benefits to workers in industry.

#### COST OF OWNERSHIP

- Designed to operate maintenance free for up to 3 years.
- CleanSpace2™, Cleanspace Ultra & Cleanspace Ex blower units maximise filter life by only filtering the air that you breathe.
- Simple operating modes minimise the time required for training, handling and cleaning.

# Respiratory - Protection

## PAPR - Cleanspace™ Series



# CleanSpace™

### THE PROTECTIVE MASK REINVENTED

- Powerful toroidal microturbine motor for airflow (>220L/min)
- Piezo resistive positive pressure sensor breathing for maximum protection
- The AirSensit™ System intelligently delivers fresh air on demand breathe by breath
- Ultra unit is IP66 certified - suitable for decontamination showers.
- Cleanspace EX is Intrinsically safe with IP 67 certification.

### SAFE

- Positive pressure masks come in half and Full with Half offering Low profile silicon half mask for fits under faceshields & welding helmets Full Face mask is high impact rated with profile for maximum visibility both with talk-thru ability Both full & Half mask are made of Medical Grade Soft silicone which ensures a reliable fit
- Filters particulate (>0.3 micron), organic, inorganic and acid gas and vapours
- Reduces heat stress and mask fatigue by removing heat, moisture and CO2 in the mask
- Smart alarms alerts for a filter change or battery charge
- Quick filter change: snap in and lock in
- Filter alarms ensure maximum filter use Particulate and gas filters; certified to TM3 P3

### SMART

- Smart intuitive system and equipment compatible with other PPE required for task.
- Simple to operate with one button operation and auto-standby mode
- Durable, reliable with few parts and no spares required as well as no servicing requirements
- Compatible with other safety or communication equipment

### WORK EFFORTLESSLY

- Fresh and Comfortable: air isn't pushed but regulated offering an environment where now exertion on wear to breathe other than naturally. which is highly beneficial over long periods.
- Compact and light (600g), lightest PAPR available the unit ergonomically sits nested at the back of the neck
- Mobility: no cables, hoses or heavy kit to catch or constrain which leaves the body free of battery packs, hoses and body unit blower.
- Simple: Easy to put on and off with no tight strapping or belts



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# Respiratory - Protection **PAPR - Cleanspace™ Series**

## **CleanSpace™**

### OUR DIFFERENCE

CleanSpace Respirators run an intelligent algorithm that delivers clear fresh air on demand. Our AirSensit System adjusts the air flow in response to wearer's breathing no matter how hard the wearer is working, making it a remarkably comfortable mask even over long periods of wear

CleanSpace has won International Awards for Innovation and Design.

### BRITISH SAFETY AWARDS 2013

British Safety Industry Federation is UK's leading body within the safety industry. In 2013 CleanSpace won a BSIF Award for Product Innovation. This award recognises the importance of innovation and underlines the highest standards of excellence within occupational health and safety.

### AUSTRALIAN INTERNATIONAL DESIGN AWARD

In 2013 CleanSpace2 won an Australian International Design Award. This is Australia's longest standing national design award and one of the few forums for professional industrial designers and manufacturers to showcase their design expertise to national and international audiences.

### PREVENTICA

Preventica is France's premier congress and exhibition fair dedicated to workplace occupational health & safety and risk prevention. In 2013 the Preventica Innovation Awards recognised CleanSpace for excellence in product innovation and design within Personal Protection Equipment category.

### SHP IOSH - FINALIST

Innovation of the Year (UK). IOSH is the largest health and safety membership organisation in the world and the only Chartered body for health and safety professionals. SHP IOSH Awards are the UK's premier cross-industry event that acknowledges individuals and organisations who have made significant efforts to promote health and safety best practice.

### POWER HOUSE MUSEUM DESIGN AND INNOVATION AWARD

In 2013 CleanSpace2 received a Powerhouse Museum Design Award recognising excellence in product design. CleanSpace2 is showcased by the Powerhouse Museum as one of the top 25 products exhibits that represent innovation and improvement to the environment, health or wellbeing. The Powerhouse is a leading applied arts and science museum and has over 400,000 artifacts.

### EXPOPROTECTION INNOVATION AWARD

Gold Trophy innovation award 2014. The Expoprotection Award distinguishes the most innovative products every two years. The judges recognised that CleanSpace were contributing to the technological trends and aligned to industry changes as regards risk management in the Health & Safety Prevention at work area.

### THE PREMIER'S NSW EXPORT AWARDS

In 2014 CleanSpace has been awarded a Highly Commended in The Premier's NSW Export Awards. This award recognises business excellence in the export of goods & services, and acknowledges the important contribution of businesses to the economy through increased prosperity for the community.

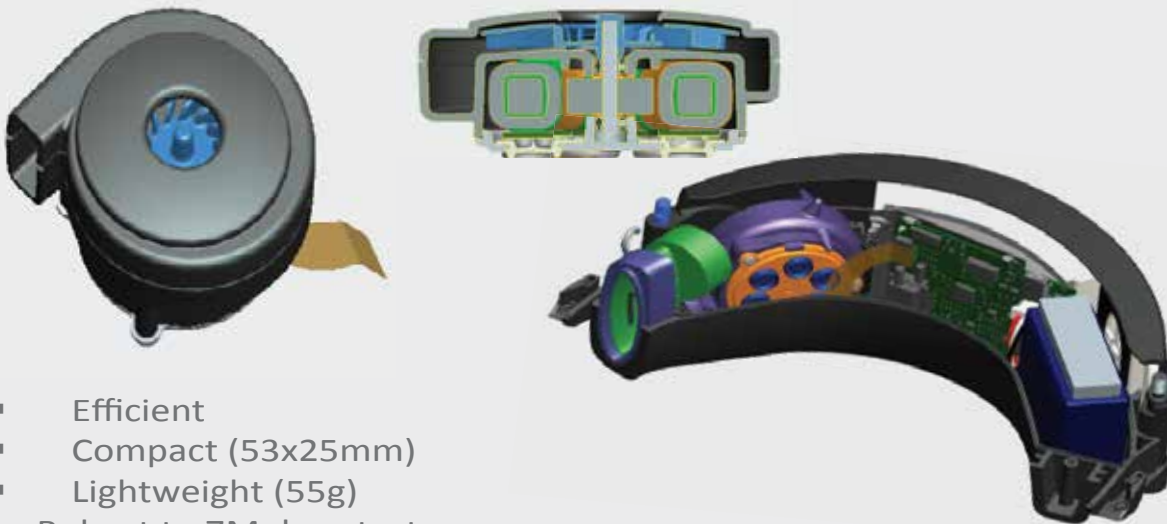
# Respiratory - Protection

## PAPR - Cleanspace™ Series



# CleanSpace™

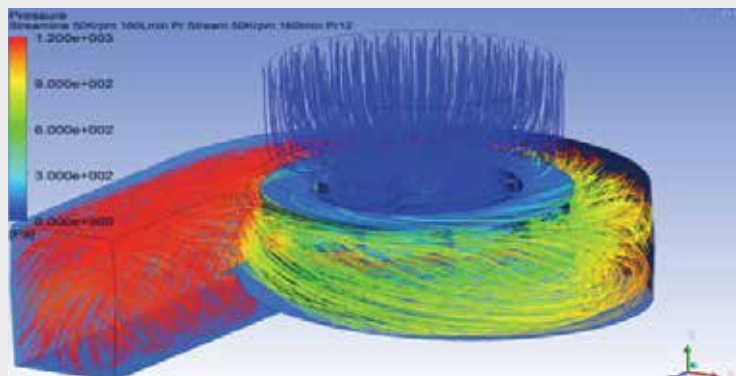
- Patented technology
- Micro-turbine motor
- Segmented toroidal winding
- Centrifugal fan
- Impeller - Ø38 mm | 11 Blades with forward facing tips



- Efficient
- Compact (53x25mm)
- Lightweight (55g)
- Robust to 7M drop test
- Delivers 200L/min of air
- Projected 10 year life @ 6 hours per day

### Firmware: AirSensit™

- Mask Pressure : 1 cm H<sub>2</sub>O (100Pa)
- Breath Responsive Flow control
- 2 state-of-the-art pressure sensors
- 3 sensitivity settings (comfort)
- Transient inhalation responsiveness
- Accurate filter blockage warning system



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# Respiratory - Protection

## PAPR - Cleanspace™ EX

### CLEANSPACE™ EX

**WORLDS SMALLEST & LIGHTEST PAPR LONG PERIODS WITH P3 PROTECTION**



#### **Powered P3 respirator**

Intrinsically safe certified for use in potentially explosive atmospheres



#### **WORK EFFORTLESSLY AND COMFORTABLY WITH 99.97% PROTECTION**

CleanSpace is the only choice in protective masks due to its wearability, comfort and one-button simplicity.

# Respiratory - Protection



## POWER UNIT

RP PAF-0060

CLEANSPACE EX



RP HEAD HARNESS  
(INCLUDED)

## FACE MASKS



PAF-0033  
SMALL



PAF-0026  
MEDIUM



PAF-0027  
LARGE



PAF-1014  
FULL FACE

All CleanSpace masks can be portacount tested using the portacounter adaptors: PAF-0025 (half mask) and PAF-1015 (full face). Half Mask fit testing kits are available (PAF-0039)

## FILTERS



PAF-0038  
FILTER ADAPTOR



PAF-0037  
HI CAPACITY (HI CAP)  
PARTICULATE FILTER  
P3 HEPA  
☐



PAF-0035  
EN12942 TM3P HEPA  
PARTICULATE FILTER  
(PACK OF 3)  
☐



PAF-0046  
COMBINED: ORGANIC GAS &  
VAPOUR + PARTICULATE  
AU:A1P3  
☐



PAF-0036  
PRE-FILTER  
(PACK OF 10)



PAF-0047  
COMBINED: ORGANIC,  
INORGANIC & ACID GAS &  
VAPOUR + PARTICULATE  
AU:ABE1P3  
☐



Industrial Protective Products (WA)  
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# Respiratory - Protection

## PAPR - Cleanspace™ ULTRA

### CLEANSPACE™ ULTRA

#### THE PROTECTIVE MASK REINVENTED

Powered P3 respirator

with Rating IP 66 designed for use in decontamination showers, no hoses no belts a lightweight, ergonomic PAPR system that works with you to protect you when required



#### WORK EFFORTLESSLY AND COMFORTABLY WITH 99.97% PROTECTION

CleanSpace is the only choice in protective masks due to its wearability, comfort and one-button simplicity.

Powerful toroidal microturbine motor for airflow

Piezo resistive positive pressure sensor breathing for maximum protection

The AirSensit™ System intelligently delivers air on demand



# Respiratory - Protection



## POWER UNIT

**PAF-0070**

CLEANSPACE ULTRA



HEAD HARNESS  
(INCLUDED)



## FACE MASKS



**PAF-0033**  
SMALL



**PAF-0026**  
MEDIUM



**PAF-0027**  
LARGE



**PAF-1014**  
FULL FACE

All CleanSpace masks can be portacount tested using the portacounter adaptors: PAF-0025 (half mask) and PAF-1015 (full face). Half Mask fit testing kits are available (PAF-0039)

## FILTERS



**PAF-0038**  
FILTER  
ADAPTOR



**PAF-0037**  
HI CAPACITY (HI  
CAP) PARTICULATE  
FILTER P3 HEPA  
☐



**PAF-0035**  
EN12942 TM3P HEPA  
PARTICULATE FILTER  
(PACK OF 3)  
☐



**PAF-0046**  
COMBINED: ORGANIC GAS  
& VAPOUR + PARTICULATE  
AU:A1P3  
☐



**PAF-0036** PRE-  
FILTER (PACK OF 10)



**PAF-0047**  
COMBINED: ORGANIC,  
INORGANIC & ACID GAS &  
VAPOUR + PARTICULATE  
AU:ABE1P3  
☐



Industrial Protective Products (WA)  
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# Respiratory - Protection

## PAPR - Cleanspace™

### MASKS



RP PAF-0033  
SMALL



RP PAF-0026  
MEDIUM



RP PAF-0027  
LARGE

Half Masks are capatable with all Three Blower Units - Cleanspace2, CLeanspace Ultra, CLeanspace EX



RP PAF-1014  
FULL FACE

Full Face Mask is capatable with the

### RESPIRATOR

## CleanSpace2™

RP PAF-0034



RP PAF-0014  
THICK NECK PAD  
(INCLUDED)



RP PAF-0016  
THIN NECK PAD  
(INCLUDED)



RP PAF-0030  
HEAD HARNESS  
(INCLUDED)

## CLEANSPACE™ ULTRA

RP PAF-0070



RP PAF-0031 HEAD HARNESS  
(INCLUDED)

## CLEANSPACE™ EX



RP PAF-0031 HEAD HARNESS  
(INCLUDED)

ALSO INCLUDED: BATTERY CHARGER.


# Respiratory - Protection



## FILTERS

## REQUIRE ADAPTOR RP PAF-0038




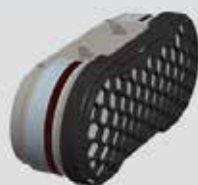
**RP PAF-0035 -**   
**P3 PARTICULATE (PK 3)**  
(High Efficiency - Fibreglass Pleated filter) Suitable for use against solid and liquid particulates including dusts, mists, fumes, fibres, bacteria and viruses. Included in PAF-0034.




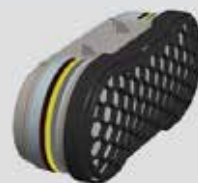
**RP PAF-0036**  
**PRE-FILTER (PK 10)**  
Extends the life of the PAF-0035 particulate filter.




**RP PAF-0037 - P3 (HI-CAPACITY)**   
**PARTICULATE (High efficiency Fibreglass Pleated filter with Higher capacity) NB: four times the surface area of PAF-0035** Suitable for use against solid and liquid particulates including dusts, mists, fumes, fibres, bacteria and viruses.



**RP PAF-0046 - A1P3**   
**COMBINED: ORGANIC GAS & VAPOUR + PARTICULATE**  
A combination filter for protection against Organic gases and vapours (eg solvents with a boiling point higher than 65°C) and mechanically and thermally generated particles including dusts, mists and fumes generated by welding, grinding & sanding.




**RP PAF-0047 - ABE1P3**   
**COMBINED: ORGANIC, INORGANIC & ACID GAS & VAPOUR + PARTICULATE**  
A combination filter for protection against Organic (eg solvents with a boiling point higher than 65°C), Inorganic and Acid Gases and Vapours and Particulates. Mechanically and thermally generated particles including dusts, mists and fumes generated by welding, grinding & sanding.




**RP PAF-0038**  
**FILTER ADAPTOR**



**RP PAF-0043 - P3**   
**PARTICULATE FILTER P3 PAD REPLACEMENTS (Pk 3)**  
Replacement Particulate P3 filter; to be used with the Combined Filters; PAF-0044, PAF-0046, PAF-0047. High efficiency; Meltblown pad; Suitable for use against solid particulates including dusts, fumes, fibres, bacteria and viruses.



**RP PAF-0053 - P3**   
**PARTICULATE FILTER P3 PAD REPLACEMENTS (Pk 8) AND HONEYCOMB SNAP LID (1)** Replacement Particulate P3 filter; to be used with the Combined Filters: PAF-0044, PAF-0046, PAF-0047; High efficiency; Meltblown pad; Suitable for use against solid particulates including dusts, fumes, fibres, bacteria and viruses. Honeycomb snap lid (Black) that snaps onto the gas cartridge case to hold the filter pad in place.

## ACCESSORIES



**RP PAF-0031**  
**ENDURANCE PACK**



**RP PAF-0023**  
**BIG CHILL NECK PAD**

**RP PAF- 0025 - HALF MASK PORTACOUNT ADAPTOR**  
**RP PAF - 1015 - FULL FACE PORTACOUNT ADAPTER**  
**RP PAF- 0032 - TEAR OFF VISORS (pack of 20)**  
**RP PAF- 0040 - GOGGLE KIT**



**Industrial Protective Products (WA)**  
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# Respiratory - Protection

## Cleanspace™ - Fan Units

### CleanSpace™ EX

The world's smallest powered air purifying respirator for comfortable respiratory protection against particulate and gas airbourne hazards.

- High protection: P3/TM3 (99.97% filter efficiency)
- Rating IP66 suitable for decontamination showers
- Lightweight: 540g

The CleanSpace™ EX is a battery-powered, positive pressure air-purifying respirator. The CleanSpace EX is suitable for use in certain ignitable or potentially explosive atmospheres where there is a risk of explosion. Filters for particulate and gas applications.

The CleanSpace™ EX respirator is compatible with:

- CleanSpace™ Particulate (P3) and pre-filters
- Combined gas filters (A1P3, ABE1P3)
- Half masks and full face masks

### Suitable Applications for Intrinsically Safe approved:

Underground mining requiring "Very High" equipment protection level (Ma) and level "ia" ignition protection to Methane, where constant risk of presence exists.

Propane and Ethylene gas environment requiring "High" equipment protection Level (Gb) and level "ib" ignition protection, where the presence of such gases is likely to occur (Zone 1)

#### Paftec Cleanspace EX Intrinsically Safe Blower Unit

**RP PAF 0060** - Cleanspace EX blower unit, complete with charger, thin & thick neck cradle Harness strap, flow test unit, and 1 x RP PAF 0035 particulate filter and carry bag.

##### • Key Feature

- Intrinsically safe (see Data Sheets for approvals)
- Light weight and comfortable
- High visibility yellow casing for easy recognition
- AirSensit™ System for mask pressure control and breath responsive airflow
- One-button system and standby and auto-start/stop mode for quick don/doffing
- Easy to use support harness
- Altitude compensated filter blocked detection
- Long operating time: up to 8 hours and quick battery recharging: less than 2 hours
- Easy and accurate flow capacity check
- Compatible with all CleanSpace™ half masks and full face masks
- Compatible with all CleanSpace™ filters: particulate and combined gas filters
- Alarms: Filter blocked status
- Battery charge level
- Low battery alarms

##### • Approvals

- AS/NZS1716: 2012 PAPR-P3
- IEC 60079-0:2011 Ex ia I Ma, Ex ib IIB T4 Gb
- IEC 60079-11:2011
- EN 60079-0:2012
- EN 60079-11:2012
- IEC 80079-34:2011
- Annex IV of Directive 94/9/EC (ATEX)





# Respiratory - Protection

## Cleanspace™ - Fan Units



### CleanSpace™ Ultra

The world's smallest powered air purifying respirator for comfortable respiratory protection against particulate and gas airborne hazards.

- High protection: P3/TM3 (99.97% filter efficiency)
- Rating IP66 suitable for decontamination showers
- Lightweight: 540g

The CleanSpace™ ULTRA is a battery-powered, positive pressure air-purifying respirator with a Rating IP 66. Suitable for decontamination procedures and applications where there is heavy dust and water. Filters for particulate and gas applications.

The CleanSpace™ ULTRA respirator is compatible with:

- CleanSpace™ Particulate (P3) and pre-filters
- Combined gas filters (A1P3, ABE1P3)
- Half masks and full face masks

### Rating IP 66 (Dust and Water ingress):

- Particles: 6 Protected against all dust – 'dust-tight';
- Liquids: 6 Protected against Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects. Test duration: at least 3 minutes, Water volume: 100 litres per minute, Pressure: 100 kPa at distance of 3 m)

CleanSpace™ Ultra respirators are suitable for asbestos removal and chemical applications where decontamination showers are used



#### Paftec Cleanspace Ultra Blower Unit

**RP PAF 0070** - Cleanspace Ultra blower unit, complete with charger, thin & thick neck pads, Harness strap, flow test unit, and 1 x RP PAF 0035 particulate filter and carry bag.

##### Key Features

- IP Rating 66 - resistant to dust and liquid ingress
- Suitable for decontamination showers
- Light weight and comfortable
- AirSensit™ System for mask pressure control and breath responsive airflow
- One-button system and standby and auto-start/stop mode for quick don/doffing
- Easy to use support harness
- Altitude compensated filter blocked detection
- Long operating time: up to 8 hours and quick battery recharging: less than 2 hours
- Easy and accurate flow capacity check
- Compatible with all CleanSpace™ half masks and full face masks
- Compatible with all CleanSpace™ filters: particulate and combined gas filters
- Particulate filter end of life
- Battery charge level
- Low battery warning

#### Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection

## Cleanspace™ - Fan Units

### CleanSpace2™

A breath responsive, powered air purifying respirator, designed to provide comfortable respiratory protection against particulate and gas contaminants.

A major innovation in personal respiratory protection - a compact and light weight power unit is cushioned around the back of the neck, counter-balancing the soft silicone low profile mask and providing fresh, clean air, on demand, as you breathe. This unique method of personal respiratory protection delivers significant benefits to workers in industry.

#### INNOVATION

The AirSensit™ System intelligently delivers air on demand, and in unison with your breathing. Ergonomic design: compact with no trailing leads, cables or hoses.

Patented micro-turbine toroidal motor generates airflow up to 200L/min with only one moving part.

Provides positive pressure inside the mask, with an inbuilt pressure sensor that adjusts the air flow to prevent contamination.

Breath activated On/Off operation.



#### Paftec Cleanspace2 Blower Unit

**RP PAF 0034** - Cleanspace2 blower unit, complete with charger, thin & thick neck pads, Harness strap, flow test unit, and 1 x RP PAF 0035 particulate filter and carry bag

The CleanSpace is certified to EN19242 TM3, the only half mask respirator to be certified to TM3 level and providing a protection factor of 1000. The CleanSpace2 can be used with the silicone half masks (available in different sizes for best fit) and the full range of CleanSpace filters including particulate (P3) and combination gas filters (A1 and ABE1).

- Key Features
- Lightweight and comfortable
- Intelligent breath responsive protection
- Improved mobility and compatibility with other PPE
- High quality and reliability
- Endurance Pack to extend operating time
- Hygienic and soft face piece
- Battery and filter warnings
- to support continuous protection



# Respiratory - Protection Cleanspace™ - Masks



## Paftec Cleanspace Full Face Mask

**RP PAF 1014** - The world's smallest powered air purifying respirator with full face Mask. Only 700g breath responsive positive pressure system provides respiratory and eye protection. Comfortable over long periods.

The CleanSpace™ Full Face Mask for use with the CleanSpace™ Ultra and CleanSpace™ EX powered respirators. Suitable for heavy or long term work or exposure. The face mask is positive pressure with a silicone outer visor seal and silicone ori-nasal inner mask for superior respiratory protection. The CleanSpace™ Full Face Mask is compatible with the CleanSpace™ Ultra and CleanSpace™ EX power units; the full range of standard CleanSpace™ particulate (P3/TM3) and combined gas filters (A1P3, ABE1P3) and pre-filters.

CleanSpace™ Full Face Mask with CleanSpace™ Ultra are suitable for asbestos removal and chemical applications where decontamination showers is required; long term use in areas demanding very high levels of protection; tasks where eye protection is required.

In addition, can be used in a broad range of applications; Manufacturing, Smelting, Construction, Recycling Plants, Emergency Services, Mining, Agriculture, Processing Plants, Grinding.

### Key Features

- Used with the revolutionary CleanSpace™ PAPR: light weight, no hoses or belts
- Wide panoramic visor Hard scratch and solvent resistant coating Suitable for long periods of wear
- Positive pressure airflow and inner ori-nasal mask prevents fogging
- Easy breathing and no resistance even during heavy exertion
- Visor seal silicone design seals to the face for optimum protection and comfort Inner ori-nasal mask with unique clip-in clip-out design is easily removed for cleaning
- Mylar speech diaphragm for clear communication on the job
- Age resistant materials
- Portacount testing enabled for quantitative mask fit testing (Sold separately)
- Spectacle kit: Fully adjustable for all face sizes, wide frames to fit large lenses for peripheral vision; engineered stability during vigorous activity (Sold separately)
- Tear-Offs: Visor protection against scratches (Sold separately)



## Paftec Silicone Half Mask Small Medium & Large

**RP PAF - 0033** - Small Half Mask

**RP PAF 0026** - Medium

**RP PAF 0027** - Large

Soft silicone masks for comfortable respiratory protection against particulate and gas air borne hazards Easy to fit Portacount testing Resilient and hygienic

All masks and the exhalation valve undergo 100% quality control testing including a leak test and are manufactured using high grade silicone and other quality materials.

## Order Information



**Call 1800 000 000**



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# Respiratory - Protection

## Cleanspace™ - Filters



### CleanSpace™ Filters

**RP PAF 0035** - HEPA P3 Filter (3 pack)

**PARTICULATE (PK 3)**  
(High Efficiency - Fibreglass Pleated filter) Suitable for use against solid and liquid particulates including dusts, mists, fumes, fibres, bacteria and viruses. Included in PAF-0034.



### CleanSpace™ Pre-Filter

**RP PAF 0036** - CleanSpace2™ Pre-filter (pack of 10)

•PRE-FILTER (PK 10) Extends the life of the PAF-0035 particulate filter.



### CleanSpace Filters

**RP PAF-0053** - REPLACEMENT CleanSpace2® Particulate Filter P3 Pad Replacements (Pk 8) and Honeycomb Snap lid (1)

**RP PAF-0043** - CleanSpace2® Particulate Filter P3 Pad Replacements (Pk 3)



### CleanSpace Filters

**RP PAF 0039** - CleanSpace2™ HIGH Efficiency P3 Filter Super Capacity for use against solid and liquid particulates including dusts, mists, fumes, fibres, bacteria and viruses



### CleanSpace Filters

**RP PAF 0046** - CleanSpace2™ Gas and particulate (Combination) Filter (A1P2) each



### CleanSpace Filters

**RP PAF 0047** - CleanSpace2™ Multi Gas and particulate (Combination) Filter (ABE1P3) each



### CleanSpace™ Adapter

**RP PAF-0038** - PAFtec CleanSpace2™ Filter Adapter Kit.

• This Adaptor will take the Standard CS2 unit and upgrade it so it can utilize the Super High Capacity P3 filter as well as the A1P3 filter, A2P3 filter and the ABE1P3 filter

# Respiratory - Protection

## Cleanspace™ - Accessories



**CleanSpace™ Thick Neck Pad (spare)**

**RP PAF-0014** - Made of a Light, washable neoprene fabric. For wearers with a smaller head and neck size. The thick neckpad is 3cm thick



**CleanSpace™ Thin Neck Pad (spare)**

**RP PAF-0016** - Made of a light, washable neoprene fabric. For wearers with a thicker neck size. The thin neckpad is 0.7cm thick



**CleanSpace™ Big Chill Neck Pad**

**RP PAF-0023** - Long lasting (up to 8 hours) cooling effect. Ideal for heavy work & hot conditions. Re-usable up to 30 times. Easy re-activation in water. Place in fridge for 30 minutes for enhanced cooling effect. Polymer is non-toxic and hypo allergenic



**CleanSpace2™ Head Harness (spare)**

**RP PAF-0030** - Webbed harness that is comfortable, light and washable. For use during high exertion work for long periods of time or when the wearer is highly mobile



**CleanSpace™ Head Harness (spare)**

**RP PAF-0031** - Webbed harness that is comfortable, light and washable. For use during high exertion work for long periods of time or when the wearer is highly mobile

### Other CleanSpace Accessories

**RP PAF-1015** - Quantitative Fit Testing Adaptor (Portacount) for Full Face Mask

**RP PAF-0042** - Spectacle Insert for Prescription Lenses Full Face Masks

**RP PAF-0032** - Tear off Visors for Full Face Mask (pack of 25)



**CleanSpace™ Porta Count Adapter**

**RP PAF 0025** - Quantitative Fit Testing Adaptor (Portacount)

### Order Information



**Call 08 9330 6355**



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# Respiratory - Protection

## PAPR - 3M

### Introducing 3M™ Versaflo™ TR-300 Powered Air Blower Unit

The all-new, lightweight 3M™ Versaflo™ TR-300 Powered Air Respirator is the key to an easy-to-use, versatile, respirator system for environments with hazardous particles.

**Lighter & Smaller**

- The turbo has a slim profile designed for use in tight spaces.
- The weight of the turbo is only 1 095 g (including particulate filter, high-capacity battery and standard belt). The curved design of the TR-300 means that it can be worn close to the user's back, reducing the leverage effect that can cause turbos to feel heavier.
- The compact shape and air inlet design helps make sitting possible without compromising the airflow intake.

**Controlled Airflow**

- Sophisticated electronics keep the factory-calibrated airflow at a nominal 190 l/min, eliminating the need for regular calibration by the user. Even as the battery discharges, or the filter becomes loaded with particulates, the unit delivers a steady flow of air.

**Simple Yet Comprehensive Controls**

- An audible and LED alarm both signal to the user when there is either low battery charge or low airflow - for example, due to a fully-loaded particle filter.

- LED lights on the battery itself indicate its charge status.

**Intelligent Power**

- The high-capacity battery runs for at least 10-12 hours (with new filter and fully charged battery). Recharging time is less than 3.5 hours.
- The lightweight lithium ion battery quickly charges and has no memory effect or heavy metals. It can be easily removed for charging.
- Intelligent chargers help maintain the optimum battery performance and are available in single-battery or four-battery stations.



### 3M™ Versaflo™ Powered Air Turbo Unit

#### RP 3M TR-315A

Includes Versaflo Turbo Air Filter Unit, Pre-Filter, P3-PAPR Filter, Battery Pack & Charger, Standard Belt and Length Adjusting Breathing Tube

- Slim profile designed for use in tight spaces
- Compact shape and location of air inlet allows user to be seated without compromising air intake
- Curved design means that the Turbo can be worn close to users back, reducing leverage effect that can cause the unit to feel heavier
- Sophisticated electronics maintain factory calibrated airflow at a nominal 190 l/min
- Audible and visual alarm for low airflow and low battery charge
- LED indicators on the Battery Pack indicate charge status
- 10-hour Battery capacity - recharge time is less than 3.5 hours
- Lightweight Lithium Ion Battery Pack has no memory effect, meaning it can be easily removed for charging
- Intelligent battery chargers help maintain optimum battery performance and are available in single and four station charging configuration.

### Accessory Options for 3M™ Versaflo™ Powered Air Turbo Unit

#### Filters:

- Pre filter
- Particulate filter
- Particulate filter that also reduces nuisance-level organic vapours.\*
- Particulate filter that also provides protection against hydrogen fluoride with performance up to 10 x the Exposure Standard value as well as offering nuisance-level acid gas performance\*.
- For welding and grinding applications, a spark arrestor reduces the risk that sparks and other hot materials will come in contact with the filter and motor.
- Belts:
  - Standard webbing belt
  - Coated, easy-clean belt
  - Spark-resistant, leather belt for heavy-duty applications
- Braces and a backpack are also available.
- High-Capacity battery.
- Single Charger and 4-Station Battery Charger kit.



# Respiratory - Protection



## 3M™ Jupiter™ Powered Air Turbo Unit

**RP 3M 902-01-79** -3M™ Jupiter™ Powered Air Turbo Unit

The 3M™ Jupiter™ is a comfortable, easy-to-use powered air purifying turbo unit that provides protection against solid particulates, gases or vapours, or against a combination of these depending on the types of filter cartridges used. An integrated acoustic and visual alarm indicates if airflow to the headtop is reduced or battery charge runs low. The Jupiter Powered Air Turbo is also available with an optional \*Intrinsically Safe (IS) cover and battery. The Unit can be ordered with your choice of 3M Headtops.

### Features and Benefits

- + ON/OFF switch with control module
- + Breathing tube connection
- + Decontamination comfort belt for a improved fit and easier cleaning
- + Filter connection
- + Modern, ergonomic design
- + Minimal maintenance required
- + Can be worn in decontamination shower
- + Intrinsically Safe model can be used in potentially explosive atmospheres. Certified IS to EN50020 EEX ib IIB T3 IP63 using I.S. Pouch and Battery
- + Optional braces available
- + Intelligent battery charger to optimise battery life
- + Spare parts and optional accessories available
  - Single Station Battery Charger
  - QRS Breathing Air Hose (optional Standard and Heavy Duty)
  - 10 Station Battery Charger
  - Flame Retardant Breathing Hose Cover
  - Jupiter IS Battery and IS pouch
  - Safety Kit Carry Bag
  - Braces for Jupiter Belt



## 3M™ Dustmaster™ Powered Air Turbo Unit

**RP 3M 021-00-38P** -3M™ Dustmaster™ Powered Air Turbo Unit

The 3M™ Dustmaster™ Powered Air Purifying Respirator is a belt- mounted turbo unit that incorporates a blower unit, lightweight 8-hour battery and PAPR-P2 filter. This industry proven system is simple to use and protects against dusts, welding fumes and nuisance\* odours. It can be combined with any Quick Release Swivel (QRS) Headtop and can be purchased with your choice of 3M Headtop

### Features and Benefits

- + Breathing tube connection
- + Battery charger connection - No need to remove battery for charging
- + Belt
- + Durable housing
- + Minimal maintenance required
- + Dustproof ON/OFF switch
- + Easy to clean
- + Compact, lightweight construction
- + Robust, industry proven design
- + Integrated particulate filter
- + Replaceable filter cartridge (optional prefilter)
- + Excellent value product offering low cost protection & productivity benefits

### Spare parts and optional accessories available

- + 4 Station Battery Charger
- + QRS Breathing Air (optional Standard and Heavy Duty)
- + Flame Retardant Breathing Hose Cover
- + Decontamination Belt with clip
- + Storage Bag
- + Charging Adaptor
- + Tote Bin



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# Respiratory - Protection

## PAPR - 3M

### S-Series Headcovers & Hoods Intergrated Suspension Hoods

Integrated head suspension models offer the advantages of being fully assembled and ready to use straight out of the box. They can be suitable for applications that require frequent replacement of the entire headtop assembly. The integrated head suspension models also feature a wide face seal with soft elastic for improved comfort and reduction with noise.

For disposal, the suspension assembly and air inlet components can be quickly removed and separated for segregated waste streams, where facilities are available.

Integrated head suspension headtops are available in two adjustable sizes to comfortably fit more wearers: Small (S) and Large (L).



#### 3M™ S-Series Hood w/ Integrated Head Harness, S-533L

**RP 3M S-133** - 3M™ Headcover S-133

Head and face coverage – liquid splash and low energy impact. General purpose, cost-effective fabric.

**RP 3M S-333G** - 3M™ Headcover S-333G

Similar to S-133 but with a more durable, soft, quiet, low-linting fabric.

**RP 3M S-433** - 3M™ Headcover S-433

Head, face, neck and shoulder coverage, as well as providing eye and face protection.

**RP 3M S-533** - 3M™ Headcover S-533

Similar to S-433 but with a more durable, soft, quiet, low-linting fabric that more readily drapes comfortably over the wearer.



### S-Series Headcovers & Hoods Premium Reusable Suspension Hoods

Premium reusable head suspension hoods can be a highly cost-effective choice for some high disposal rate environments: just the soiled hood fabric is replaced, while the suspension and air ducting can be reused. The design permits significantly faster user assembly of the entire headtop.

Premium reusable head suspension hoods offer the same level of comfort, fit and field of view as that of the S-Series Integrated Head Suspension Headcovers and Hoods. In addition, the suspension's rigid ducting provides a consistent air path. It also has an external adjustable airflow control that allows wearers to modify the airflow distribution to suit personal comfort needs. With a simple turn of the external collar, wearers can shift the location of air flowing over the top of the head to over their temples, face and visor.

The suspension has independent adjustments for the crown size and head circumference, allowing a comfortable, custom fit for a wide range of head sizes. An optional size-reducing comfort pad is provided to even further extend the range of compatible head sizes.

#### 3M™ S-Series Hood w/ Reusable Head Harness, S-655

**RP 3M S-655** - 3M™ Hood S-655

Head, face, neck and shoulder coverage, as well as providing eye and face protection.

**RP 3M S-657** - 3M™ Hood S-657

Similar to S-655. S-657 uses a double-shroud design for its respiratory seal; wearers can select between seal designs based on their personal preference. The users wear the S-657 by tucking its inner shroud into a shirt or protective coverall, which allows excess air to be channeled over the body, providing additional comfort.

**RP 3M S-757** - 3M™ Hood S-655

Similar to S-657 but with a fabric specifically intended to help capture paint overspray, minimizing the potential for paint to flake off the wearer and onto the work piece. The fabric also has an internal film barrier to help prevent paint contact with skin or clothes.



# Respiratory - Protection



## 3M™ Versaflo™ M-Series Faceshields and Helmets

All-new 3M™ Versaflo™ M-Series Headtops feature lightweight, compact and well-balanced faceshields and helmets that can offer integrated protection from a range of respiratory, head, eye and hearing hazards, with offerings for neck and shoulder coverage.

The M-100 Faceshield and M-300 & M-400 Helmets, meet the highest standard of respiratory protection for this type of solution when integrated with the relevant 3M Air Respirator system.

Lightweight, with excellent balance. Fully-adjustable suspension that includes textile straps for optimal fit and weight distribution. A deflector allows users to direct the airflow inside the headtop for increased control and comfort.

Versatility to suit a wide range of needs, industries and applications, 3M Versaflo M-Series headtops offer faceseals and shrouds in various fabrics. Accessories include ear-muffs, peel-off's, head covers and a chin strap. A new visor design combines excellent peripheral and downward vision with good optical clarity. Coated visors provide added chemical and scratch resistance.

Many parts are common to all 3M Versaflo M-Series headtops, meaning reduced inventories and downtime. Spare parts and accessories are quick and easy to replace; for example, visors easily slide into place and are secured by quickly snapping two buttons.

| Versaflo M-Series Headtop | AS/NZS 1337.1 eye protection high impact | AS/NZS 1801 protective helmets |
|---------------------------|--|--------------------------------|
| M-100                     | Yes                                      | N/A                            |
| M-300                     | Yes                                      | Yes                            |
| M-400                     | Yes                                      | Yes                            |



## 3M™ M-100 Series Faceshields and Helmets

**RP 3M M-106** - 3M™ Versaflo™ F/shield w/ Coated Visor with Comfort Faceseal

M-106 features a comfortable faceseal for dusts, spraying and chemical processing. Fabric material: polyurethane coated polyamide.

**RP 3M M-107** - 3M™ Versaflo™ F/shield w/ Coated Visor with Flame Resistant Faceseal

M-107 features a flame resistant faceseal for applications with hot particles. Fabric material: flame resistant polyester.

Respiratory, eye and face protection

- Coated lens provides chemical and scratch resistance
- A deflector allows users to direct the airflow inside the faceshield for increased control and comfort
- Visor design combines excellent peripheral and downward vision with exceptional optical clarity
- Optional head, shoulder and neck cover
- Headtop attached hearing protector is available separately
- Faceshield is suitable for use with all 3M approved air delivery systems



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# Respiratory - Protection

## PAPR - 3M



### 3M™ M-300 Series Faceshields and Helmets

**RP 3M M-306** - Features a comfortable faceseal for construction, chemical applications and heavy industry. Fabric material: polyurethane coated polyamide.

**RP 3M M-307** - Features a flame resistant face- seal for applications with hot particles. Fabric material: flame resistant polyester

A lightweight air supplied helmet that provides respiratory, eye, face and head protection when suitably connected to an AS/NZS1716 compliant air supply system.

- Lightweight, with excellent balance.
- Fully-adjustable suspension that includes textile straps for optimal fit and weight distribution.
- M-300 headtop offers head protection to AS/ NZS1801.
- Multiple size adjustment options allow for a comfortable fit.
- A air deflector allows users to direct the airflow down or into the face for increased control and comfort.
- Visor design combines excellent peripheral and downward vision with good optical clarity.
- Coated polycarbonate visor provides added chemical and scratch resistance and high impact protection.
- QRS (Quick Release Swivel) breathing tubes allow fast and easy snap on/off connection.
- Easily removable parts allow simple cleaning, maintenance and replacement.
- Most user interface/adjustment points highlighted in blue for convenience.
- To suit a wide range of needs, industries and applications, 3M Versaflo M-Series headtops offer faceseals and shrouds in various fabrics.
- Accessories include ear-muffs, peel-off 's, various head covers and a chin strap.
- A length-adjusting breathing tube is also available.
- Many parts are common to all 3M Versaflo M-Series headtops, meaning reduced inventories and downtime.

#### Specifications

- AS/NZS1716 compliant when connected to a number of 3M air supply system options.
- AS/NZS1337.1 compliant high impact eye/face protection.
- AS/NZS1801 Type 1 Industrial Safety Helmet
- Headtop Weight: 832g (without breathing tube).
- Storage Conditions: -300C to +500C, < 90%RH.
- Operating Temperature: -100C to +550C.

• Visor design combines excellent peripheral and downward vision with exceptional optical clarity

• Optional head, shoulder and neck cover

• Helmet attached hearing protector is available separately

• Helmet is suitable for use with all 3M approved air delivery systems





# Respiratory - Protection



## 3M™ M-400 Series Faceshields and Helmets

**RP 3M M-406** - features a highly durable shroud for construction applications and heavy industry. Fabric material: Cordura® nylon

**RP 3M M-407** - features a flame resistant shroud for applications with hot particles. Fabric material: flame resistant Nomex®

An air supplied helmet that provides respiratory, eye, face and head protection when suitably connected to an AS/NZS1716 compliant air supply system. It comes with a neck and shoulder shroud for extra protection

### Features

- Lightweight, with excellent balance.
- Fully-adjustable suspension that includes textile straps for optimal fit and weight distribution.
- M-400 headtop offers head protection to AS/ NZS1801.
- Multiple size adjustment options allow for a comfortable fit.
- A air deflector allows users to direct the airflow down or into the face for increased control and comfort.
- Visor design combines excellent peripheral and downward vision with good optical clarity.
- Coated polycarbonate visor provides added chemical and scratch resistance and high impact protection.
- QRS (Quick Release Swivel) breathing tubes allow fast and easy snap on/off connection.
- A length-adjusting breathing tube is also available.
- Easily removable parts allow simple cleaning, maintenance and replacement.
- Most user interface/adjustment points are highlighted in blue for convenience.
- To suit a wide range of needs, industries and applications, the 3M Versaflo M-400 headtop offers shrouds in various fabrics.
- Accessories include peel-off's, head cover and shroud options and a chin strap.
- Many parts are common to all 3M Versaflo MSeries headtops, meaning reduced inventories and downtime.

### Specifications

- AS/NZS1716 compliant when connected to a number of 3M air supply system options.
- AS/NZS1337.1 compliant high impact eye/face protection.
- AS/NZS1801 Type 1 Industrial Safety Helmet
- Headtop Weight: 1066g (without breathing tube).
- Storage Conditions: -300C to +500C, < 90%RH.

- Helmet is suitable for use with all 3M approved air delivery systems

## Order Information



Call 08 93306355



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# Respiratory - Protection

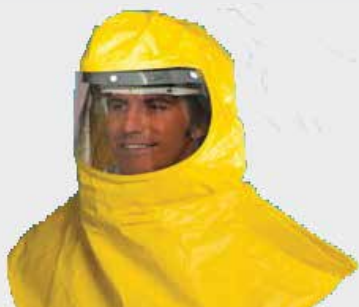
## PAPR - 3M



### 3M™ No. 4 Headtop Painting & Grinding Shields

**RP 3M 049-00-56P** - 3M™ No. 4 Headtop Grinding Shield with polycarbonate visor

The \*No. 4 Headtop is based on a conventional lightweight face shield and is designed for use when eye, face and respiratory protection are required simultaneously. It is optionally supplied with a high impact polycarbonate visor that is ideal for applications requiring face protection during machining and finishing work, such as grinding, drilling and milling. It is also available with an acetate visor that is an effective solution for painting applications or working with chemicals



### 3M™ No.10 Headtop

**RP 3M 902-01-72** Tyvek Laminate Hood / Cape with QRS - Yellow

A lightweight hood / cape system designed to provide splash and respiratory protection whilst allowing excellent vision. Available in various materials. Features and Benefits



### 3M™ No. 6 Headtop Welding Shield

**RP 3M 902-03-12** -

The 3M™ No. 6 Headtop is based on a conventional lightweight welding shield and designed for use when integrated welding, eye and respiratory protection are required simultaneously. It is supplied with a shade 10 welding lens, anti-spatter lens and lift-up escutcheon for ease of checking work and provides a comprehensive, cost effective solution to a wide array of welding applications. The No. 6 Headtop is available individually or as part of a full system.



### 3M™ No.12 Headtop

**RP 3M 902-01-66** - 3M™ Airstream Style Helmet with QRS

Based on the Airstream style helmet, it delivers, face, eye and respiratory protection. Included is high visibility striping, high impact visor and soft face seal.



### 3M™ No. 9 Headtop

**RP 3M 902-02-94** - 3M™ No. 9 Headtop

Airstream style welding helmet with visor and QRS. Includes nod down welding shield, high impact anti-scratch visor, head/face seal, shoulder length welding cape and optional glare filter for oxy-cutting. Available with Auto-Darkening Filter (ADF) option.



### 3M™ 3M™ L901 & L905 Lightning Helmets

**RP 3M 902-01-75** - 3M™ L901 Headtop Lightning Helmet with QRS

**RP 3M 902-01-76** - 3M™ L905 Headtop Lightning Welding Helmet with QRS

The L901 is a integrated, fully enclosed helmets providing head, face, eye and respiratory protection. These helmets include a high impact visor and soft neck seal. The L901 is a wide-view helmet with clear visor

The headgear for the L901 is lightweight and well balanced. These helmets provide comfort and high protection levels. They can be worn with eyeglasses and facial hair.

+ Helmets offer AS/NZS 1716 compliant respirator head and face covering

# Respiratory - Protection



**3M Versaflo M-Series Helmet with shroud TRM-407C c/w Charger**

**RP 3M TRS-407C**

Versaflo Powered Air respirator integrated with M-407 Helmet includes standard breathing tube, battery pack, battery charger and user instructions.



**3M Versaflo S-Series Hood TRS-655C c/w Charger**

**RP 3M TRS-655C**

Versaflo Powered Air respirator integrated with S-655 Hood (premium head suspension) includes standard breathing tube, battery pack, battery charger and user instructions.



**3M Versaflo S-Series Hood TRS-533C c/w Charger**

**RP 3M TRS-533C**

Versaflo Powered Air respirator integrated with S-533 Hood (integrated head suspension) includes standard breathing tube, battery pack, battery charger and user instructions.



**3M Versaflo M-Series Faceshield TRM-107C c/w Charger**

**RP 3M TRM-107C**

Versaflo Powered Air respirator integrated with M-107 Faceshield includes standard breathing tube, battery pack, battery charger and user instructions.



**3M Versaflo M-Series Helmet TRM-307C c/w Charger**

**RP 3M TRM-307C**

Versaflo Powered Air respirator integrated with M-307 Helmet includes standard breathing tube, battery pack, battery charger and user instructions.



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# Respiratory - Protection

## PAPR - 3M

### 3M™ Airstream™ Helmets

The 3M Airstream Helmet is a versatile head-mounted PAPR system where the blower motor and filter components are integrated into the helmet. The helmet is powered by a belt-mounted battery pack. Airstream helmets offer respiratory protection as well as Australian Standards compliant head, eye and face protection. There is a choice of helmet shells for different work applications. Airstream helmets can also be configured for use with belt mounted Dustmaster, Jupiter and Airline breathing air systems.

#### Features and Benefits

- + The polycarbonate visor provides high impact face protection compliant to AS/NZS 1337
- + Lightweight, robust helmet shells provide head protection--AS/NZS 1801 compliant Type 1 Industrial Safety Helmet
- + Quick Release Swivel (QRS) Coupling for ease of use on the No.9 and No. 12 helmets.
- + Head and face seals
- + Positive pressure helps prevent ingress of contaminant into the headtop
- + Integrated turbo motor including filter cartridge and prefilter
- + Can be optionally equipped with earmuffs
- + AH12 Helmet has heat resistant shell, flame retardant head/face seal and reflective safety stripes. Available with optional heat resistant cover.
- + Spare parts & optional accessories available
- Airstream helmets still offer head protection when the motor is switched off and the visor raised
- Industry Proven
  - Tested and proven in mining and heavy industrial environments
  - Effective battery management using the intelligent charger
  - Airstream Powered Air Purifying Respirators are suitable for most applications requiring integrated head, eye and respiratory protection
  - Mining, Welding, Metal processing, Foundries, Construction, Quarrying, Tunnelling, Agricultural Spraying
- + Spare parts & optional accessories available





# Respiratory - Protection



## 3M™ Airstream™ Industrial Helmets

**RP 3M 902-02-93** 3M™ Airstream™ Industrial Helmet AH12 with NiCd Battery

**RP 3M 902-02-95** 3M™ Airstream™ Industrial Helmet AH12 with NiMH Battery

- The AH12 Industrial Helmet is designed for use in heavy industrial and smelting applications
- It is fitted with a high impact molten metal resistant visor, flame retardant head/face seal, reflective safety stripes and includes NiCad or NiMH battery
- Main filter and charger available separately

**RP 3M 902-02-61** 3M™ Airstream™ Coal Mining Helmet AH6TM

- The AH6TM Coal Mining Helmet is designed to protect miners from inhalation of airborne dust in explosive environments
- The intrinsically safe fan motor is integrally powered by the cap lamp battery. (Oldham or ICCL type). Certified I.S. to AS/NZS 60079 by SIMTARS Ex ia I AUS Ex 03.2510x
- The helmet incorporates a pivoting cap lamp mounting bracket and is fitted with reflective safety stripes
- Cap lamp and battery not included



**RP 3M 902-02-64** 3M™ Airstream™ Hard Rock Mining Helmet AH6HRM

- The AH6HRM Hard Rock Mining Helmet is designed to protect miners from inhalation of airborne dust in non-explosive environments
- The fan motor is integrally powered by the cap lamp battery (Oldham or ICCL type)
- The helmet incorporates a swivelling cap lamp mounting bracket and is fitted with reflective safety stripes
- Cap lamp and battery not included

Both helmets incorporate pivoting cap lamp mounting bracket and are fitted with reflective safety stripes. Cap lamp and battery not included

## 3M™ Airstream™ Filters

**RP 3M 060-23-04P** Main Filter PAPR-P2 Heavy Duty

**RP 3M 060-23-06P** Main Filter PAPR-P2

**RP 3M 060-23-11P** Main Filter PAPR-GP2

**RP 3M 060-23-16P** Main Filter PAPR-P1 Heavy Duty

**RP 3M 060-23-20P** Main Filter - PAPR-P2 HF S02

**RP 3M 060-22-00P** Pre-Filter



## 3M™ Powerflow Plus™ Powered Air Purifying Respirator

**RP 3M 902-02-12** - Complete Unit

**RP 3M 450-00-02P** - High Efficiency Particulate Filter P3

The 3M Powerflow Respirator uses a wide view silicone faceseal full facemask connected to a turbo/filter unit. This product is successfully used in the asbestos abatement industry where significant levels of fibres are routinely present in the workplace atmosphere.

- Provide Protection Factors up to 100 (AS/NZS 1715) against mechanically and thermally generated particulates
- The mask and turbo unit are shower - proof and the whole unit can be effectively decontaminated.
- Mask Available in 3 sizes - 6700DIN Small, 6800DIN Medium, 6900DIN Large
- Standard DIN Thread mounting connection ensures precise sealing and locking of filter to the turbo
- Approved to AS/NZS1716 for use only with PAPR-P3 filter
- Powered by either Nickel Cadmium (NiCd) or Nickel Metal Hydride (NiMH) Battery Pack



## 3M™ Airstream™ Industrial Helmets with Welding Protection

**RP 3M 902-00-50** 3M™ Airstream™ Welding Helmet AH9 with NiMH Battery

Includes anti-scratch visor and surround, high efficiency air turbo, Pre-filter & PAPR-P2 particulate main filter, main filter expander, head/face seal, shoulder cape, nod down welding shield with shade 11 filter, battery, storage container and user

- Helmet is suitable for use with all 3M approved air delivery systems



Industrial Protective Products (WA)  
Supporting Better Products



# Respiratory - Protection

## PAPR - 3M Filters



### 3M Airstream Filter Guide

**RP 3M 060-22-00P** - Pre filter to extend the service life of the main filter

**RP 3M 060-23-06P** - Particulate Main Filter P2

**RP 3M 060-23-04P** - Heavy Duty Particulate Main Filter P2

**RP 3M 060-23-11P** - Particulate and Nuisance level Organic Vapours GP2

**RP 3M 060-23-20P** - Particulate and Nuisance level Acid Gas P2HF + SO<sub>2</sub>



### 3M Airstream Accessories/Spares

**RP 3M 901-00-04** - Helmet Hood (Breathalon™ fabric) for spray protection

**RP 3M 901-00-09** - Shoulder Cape (Breathalon™ fabric) for spray protection

**RP 3M 060-39-01P** - Comfort Band - 10 per pack

**RP 3M 060-45-13** - Head/Face Seal - Lothian - 4 per pack

**RP 3M 060-49-07** - Temple Seals - 10 per pack (Foam only)

**RP 3M 060-75-01P5** - Scratch Resistant Visor

**RP 3M 002-23-01** - Ear Muff Quicksnap Adapter

**RP 3M 087-09-04P10X4** - Visor Overlay - AH, 40 per case



### 3M Jupiter Filter Guide

**RP 3M 461-00-02P24** - Pre filter to extend the service life of the main filter

**RP 3M 450-00-254** - High Efficiency Particulate Filter P3

**RP 3M 453-00-25** - High Efficiency Particulate and Organic Vapours Filter A1P3 Filter

**RP 3M 461-00-02P24** - High Efficiency Particulate, Organic and Inorganic Vapours and Acid gas Filter A1B1E1P3 Filter



### 3M Jupiter Accessories/Spares

**RP 3M 008-08-00P** - Flame Resistant Hose Cover

**RP 3M BLT-12** - Decontamination Belt

**RP 3M 003-00-59P** - 10 Station Battery Charger

**RP 3M 008-00-41** - QRS Breathing Hose (heavy duty)

### 3M Jupiter Accessories/Spares

**RP 3M 008-08-00P** - Flame Resistant Hose Cover

**RP 3M BLT-12** - Decontamination Belt

**RP 3M 003-00-59P** - 10 Station Battery Charger

**RP 3M 008-00-41** - QRS Breathing Hose (heavy duty)



### 3M Versaflo Filter Guide

**RP 3M TR-3710E** - High efficiency particulate (P3) filter Pack 5

**RP 3M TR-3800E** - High efficiency particulate (P3) and Nuisance Organic Vapour filter Pack 5

**RP 3M TR-3820E** - High efficiency particulate (P3) and Nuisance Acid gas filter Pack 5

**RP 3M TR-3600** - Prefilter to extend life of main filter



### 3M Versaflo Accessories/Spares

**RP 3M M-928** - Peel-Off Visor Covers

**RP 3M M-958** - Chin strap

**RP 3M M-93** - Standard faceseal (white)

**RP 3M M-936** - Comfort faceseal

**RP 3M M-937** - Flame resistant face seal

**RP 3M M-972** - Flame Resistant Headtop Cover

**RP 3M M-447** - High-durability shroud

**RP 3M M-448** - Flame-resistant shroud

**RP 3M M-976** - Head, Neck and Shoulder Cover, for M-100 and M-300 headtops.

**RP 3M H31P3AF 300** - 3M™ Peltor™ Hearing Protector Helmet Attachment, for M-100 and M-300



### Speedglas Adflow Filter Guide

**RP SG 836010** - PRE-FILTER ADFLO PK=5

**RP SG836080** - PRE-FILTER ADFLO PK=80

**RP SG837010** - PARTICLE FILTER ADFLO

**RP SG837080** - PARTICLE FILTER ADFLO PK=80

**RP SG837110** - ODOUR FILTER ADFLO

**RP SG837120** - ODOUR FILTER PAD ADFLO

**RP SG837242** - NUISANCE LEVEL ORG/ACID GAS FILTER ADFLO

**RP SG837542** - GAS FILTER A1 ADFLO



# Respiratory - Protection



## Scott Safety Phantom Vision PAPR

**RP SCO 2018779** - Phantom Vision M/L system PAPR P3 - medium/large size, complete with battery, power belt, charger, P3 filter, filter shower cover and storage case.

**RP SCO 2018778** - Phantom Vision M system PAPR P3 - medium size, complete with battery, power belt, charger, P3 filter, filter shower cover and storage case.

**RP SCO 2018777** - Phantom Vision S system PAPR P3 - small size, complete with battery, power belt, charger, P3 filter, filter shower cover and storage case. The new Phantom Vision from Scott Safety has been designed with a high performance brushless motor which provides reliable full-shift operation and a long service life. It offers high levels of water protection. The exhalation valve cover on the respirator has been specially designed to avoid particle and fibre trapping, while directing water away from the valve. The Phantom Vision can continue operating while the wearer uses a decontamination shower. Available in three sizes to fit the widest range of users, the Phantom Vision is suitable for a variety of applications.

### Standards

- Certified to AS/NZS 1716:2012 PAPR P3

### Filters

**RP SCO PF251** - Particulate PAPR P3 Filter - Solid and liquid particulates (dusts, fibres, mists, fumes, bacteria and virus).

### Accessories

**RP SCO 052693** - Filter Covers, polyethylene LDPE (2pcs).

**RP SCO 5052694** - Rubber Shower Cover.



## Scott Safety Proflow 160 Unit PAPR

**RP SCO 064580** - Proflow SC 160 PAPR Blower Unit  
Includes blower unit, battery, recharger, hose with DIN thread & easy wipe decon belt (PVC). 160l/min. Headtop & filters sold separately. For use with the PAPR P3 filter only (052670). AS/NZS 1716:2012. (Previously named: Proflow Asbestos)

### Standards

- Certified to AS/NZS 1716:2012 PAPR P3

### Headtops

**RP SCO 012681** - Promask PAPR full face respirator - Medium/Large (no hose)

**RP SCO 064282** - Flowhood 2 PAPR Headtop Nylon complete with hose to Proflow SC 120

**RP SCO 064280** - Flowhood 1 PAPR Headtop half hood complete with hose to Proflow SC 120 (M/L)

**RP SCO 063085** - Automask Litehood PAPR Headtop PVC with anti-fog acetate visor (no hose)



## Scott Safety Proflow 120 Unit PAPR

**RP SCO 064024** - Proflow SC 120 PAPR Blower Unit - Includes blower unit, battery, recharger, EPDM hose with DIN thread & padded belt. 120L/min. Headtops & filters sold separately.

Lightweight and compact the Proflow SC 120 (Blue) and 160 (Green) from Scott Safety provides an ergonomic design that incorporates a curved backplate, which ensures user comfort for long periods of use. A choice of headtops to suit most applications. The Proflow SC comes with a 3 year blower warranty which confirms the units reliability and robustness.

### Standards

- Certified to AS/NZS 1716:2012 PAPR P3

### PAPR READY PACKS

**RP SCO 064308** - Promask Proflow SC 120 Ready-Pak

**RP SCO 064306** - Flowhood 2 Proflow SC 120 Ready-Pak

**RP SCO 064301** - Automask Proflow SC 120 Ready-Pak

### PAPR KITS

**RP SCO 064318** - Proflow SC 120 Blue Kit with Promask (excluding filters)

**RP RP SCO 064314** - Proflow SC 120 Blue Kit with Flowhood 1 (excluding filters)

**R RP SCO 064316** - Proflow SC 120 Blue Kit with Flowhood 2 (excluding filters)

**RP RP SCO 064311** - Proflow SC 120 Blue Kit with Automask (excluding filters)

## Dräger X-plore® 7500 Powered Air Purifying Respirator

### RP DRA 3500406 - X-PLORE 7500 RESPIRATOR SET

The Dräger X-plore® 7500 provides reliable protection, comfort, and safety for a wide range of industrial applications where hazardous gases, vapors, and particles are present: from welding and grinding, to use in the chemical or agricultural industries.

Excellent safety is provided by the audible and visual warnings of the Dräger X-plore® 7500. Regardless of whether the filter life is exhausted, the battery capacity is low, the breathing resistance increases, or the airflow decreases - any potentially hazardous situation is clearly indicated by the flashing display and an acoustic alarm signal.

**Particle Filters** - **RP DRA 6738932** - 1140 P3 R (incinerable)

**Gas Filters** - **RP DRA 6738860** - 1140 A2 P3 - **RP DRA 6738783** - 1140 A2B2 P3 - **RP DRA 6738797** - 1140 A2B2E2K2 Hg P3



Industrial Protective Products (WA)  
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# Respiratory - Protection

## PAPR - Sundstrom



### Sundstrom PuriShield SR 540

#### RP SEA 540

##### Shield SR 540

An unique shield with excellent field of vision, classified at the highest level of protection NPF 500. The visor can be easily flipped up to a good balanced "over the head" position. Simply replaceable visor of PC or alternatively PETG.

SR 540 is TH3 approved.

Accessories: Visor set, PETG. Head cover for protection of head and neck. Peel-off set SR 542.



### Sundstrom SR 500 PAPR Unit

#### RP SEA SR 500

The SR 500 is a battery-powered fan unit that, together with filters and an approved human interface, is included in the Sundström fan-assisted respiratory protective device systems. The SR 500 can be used as an alternative to filter respirators in all situations for which these are recommended. This applies particularly to work that is hard, warm or of long-duration. The filtered air is supplied through a breathing hose to the human interface. The above-atmospheric pressure then generated prevents pollutants from the surroundings from penetrating into the human interface. The same control is used for starting, stopping and selection of operating status (air flow 175 or 225 l/min).

Information on all important data is given via symbols, on the panel:

- Small fan symbol that lights up with a green light during normal operation.
- Bigger fan symbol that lights up with a green light during boosted operation.
- Triangle that lights up with a red light if the air flow should cease or if the particle filters are clogged.
- Battery symbol that lights up with a yellow light when the battery capacity is low.
- Initiates an alarm by vibrating and light signals in the event of an obstruction in the air flow.
- Equipped with automatic air flow control.

#### Accessories - SR 500

Practical grip bag with two separate major compartments. Space for the SR 500 powered unit, accessories and chosen face-piece.

Leather belt SR 503 for casting, flame cutting and other similar operations. Rubber belt SR 504 for decontamination, casting, flame cutting and other hot working situations.

Spark Arrester SR 336 protects the filters against sparks and spatter that occurs during welding, flame cutting and grinding.

Pre filter holder for Decontamination SR 509, enables vacuum cleaning of the pre-filter when rapidly clogged



### Sundstrom Hood SR 530

#### RP SEA 530

Respiratory, eye and face protection

- Two options available - SR 520 and SR 530

Similar to SR 520 but also protects the neck and shoulders. Easily adjustable neck seal, providing high protection even for people with beard. One size fits all face shapes. Visor of chemical-resistant CA.

SR 530 is TH3 approved.

Accessories: Peel-off set SR 522.



### Sundstrom Full Face Mask SR 220/550

#### RP SEA 220/550

Respiratory, eye and face protection

For connection to Sundström full face mask SR 200. This combination gives the highest level of protection attainable using filter protection. SR 550 + SR 200 full face mask is TM3 approved.

- Coated lens provides chemical and scratch resistance

### Sundstrom SR500 Filters

#### RP SEA 590 P3 Filter

#### RP SEA 518 A2 Organice Vapour Filter

#### •RP SEA 597 A1B1E1K1 Multigas Filter

#### RP SEA 515 A1B1E1 Multigas Filter

# Respiratory - Protection



## Sundstrom SR 500 PAPR Intrinsically Safe Unit

### RP SEA SR 500ex

The intrinsically safe Sundström SR500ex powered air purifying respirator designed and approved for use in explosive or ignitable atmospheres. It is an alternative to negative-pressure filter respirators in situations where these are recommended. The fan-assisted air flow may be of benefit during extended periods of work in warm conditions. The fan can be used with most Sundström hoods, face shields or full face masks. It is important to understand that the entire SR500ex system and its individual parts have been certified as intrinsically safe

#### Features:

Intrinsically safe  
Single-button operation  
Visible and audible alarms in case of interrupted air delivery  
NiMh battery  
Up to 6.5 hours' operation Approximately 2 hours' recharge time  
Supplied with 2 filters/cartridges/combinations Can be used with hoods (SR520, SR530, SR561, SR562), shield SR540ex, or full face mask SR200

#### Intrinsically safe classification (EN standard):

**II 2G Ex ib IIA T3** (with SR540 shield or SR200 full face mask with polycarbonate visor)  
**II 2G Ex ib IIB T3** (with SR520, SR530, SR561, SR562 or full face mask SR200 with glass visor)  
**II 2 D Ex ibD 21 T195°C** (with any of the above)

#### Explanation of classification markings:

|               |   |
|---------------|---|
| <b>II</b>     | Equipment group (explosive atmosphere other than mines)       |
| <b>2G</b>     | Equipment category (2=high protection level, zone 1, G=gas)   |
| <b>2D</b>     | Equipment category (2=high protection level, zone 21, D=dust) |
| <b>Ex</b>     | Explosion protected   |
| <b>ib/ibD</b> | Type of ignition protection (intrinsic safety)                |
| <b>IIA</b>    | Explosion group Propane                                       |
| <b>IIB</b>    | Explosion group Ethylene                                      |
| <b>21</b>     | Zone with combustible dust                                    |
| <b>T3</b>     | Temperature class, gas (+200°C max, surface temperature)      |

## Sundstrom SE 4000

### RP SEA SE4000

Designed for use when integrated head, face, eye, splash and respiratory protection are required. It is supplied with a swing-up high impact polycarbonate visor. It is designed for use in heavy industrial and smelting applications.

- Can provide Protection Factors up to 50 (AS/NZS 1715) against mechanically and thermally generated particulates using PAPR-P2 rated filter
- Several filter options available
- Lightweight, strong and low profile injection-moulded helmet shell.

- Integrated head harness can be adjusted for optimum helmet balance
- Belt mounted battery reduces weight on the head.
- Airstream helmets still offer head protection when the motor is switched off and visor raised.
- Fitted with a high impact visor, durable head/face seal .
- Standard rechargeable NiCad battery features ergonomic shape, sealed switch and self resetting fuse.
- Available with lighter, smaller NiMH (Nickel Metal Hydride) Battery and charger option.



Industrial Protective Products (WA)  
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# Respiratory - Protection

## PAPR - Pureflo



### PUREFLO PF33ESM

#### RP RP PF33ESM

Modular Design - Can be configured to exactly match the application.

- No need for Face Fit Testing! Can be used safely with beards and/or corrective spectacles.
- Lightweight integrated design including respiratory, head and eye/face protection.
- P3 Filters\* with a TH3P System Classification Nominal Protection Factor 500
- EN397 Hard Hat
- EN1661.B.3.9 Faceshield Protection
- Non Incendive - Approved for use in Zone 2 hazardous environments
- Conforms to /EC 60079-15:2001 and /EC 79-15: 1987.
- High Wearer Acceptance.
- No trailing lead or hoses to snag
- Great field of view
- Low weight
- Selection of filter\* & neckcape options to suit different applications.
- Includes 8 hour NiMH batteries and Smart Chargers.
- Optional 16 station Smart Multicharger.
- Lowest operating costs with highest protection levels. LED lights & warning buzzer tell you when to change the filter!

#### Standard Unit Includes:

P3 Filter - Quick Release Headband - NiMH Batteries for 8 hours operation Smart Chargers

#### Use AoG to factory build these options:

- |                          |                               |
|--------------------------|-------------------------------|
| <b>RP PF PRO 1500SP</b>  | P3 Nuisance Odour Filter      |
| <b>RP PF PRO 1025SP</b>  | P3 / ABE Combination Filter   |
| <b>RP PF PRO 1026SP</b>  | Welding Filter P3/ Ozone      |
| <b>RP PF PRO 1027SP</b>  | Smelter Filter P3/ E+HF & 502 |
| <b>RP PF PRO 11 0SSP</b> | Sparkshield Neckcape          |
| <b>RP PF PRO 1097SP</b>  | Aluminised Overcape           |
| <b>RP PF PRO 11 53SP</b> | Face Shield Attachment Bar    |
| <b>RP PF PRO 1043SP</b>  | Multicharger                  |

Various Optional Face Shields

Plus Many Others!

### PUREFLO PF23ESM-P

#### RP PF PF23ESM-P

Designed for light duty Industries including pharmaceutical, chemicals & animal husbandry

Lightweight Integrated respiratory, head, eye & facial protection

- P3 Filters\*
- TH3P Respiratory System Classification
- EN812 Bump Cap
- EN1661.B.3.9. Faceshield Protection

High wearer acceptance

- No trailing lead or hoses to snag
- Great field of view
- Lowweight

Avoids the need for Face Fit Testing and can be used safely with beards and/or corrective spectacles.

Cleaning and decontamination quick and simple, Inside and outside Selection of filter\* and neckcape options to suit different applications Includes 8 hour NiMH batteries and Smart Chargers Optional 16 station Smart Multicharger

#### Unit Includes:

P3 Filter  
Quick Release Headband  
NiMH Batteries for 8 hours  
duration  
Smart Chargers

#### Options Include:

- |                          |                                     |
|--------------------------|-------------------------------------|
| <b>RP PF PRO 1043SP</b>  | Multicharger                        |
| <b>RP PF PRO 1 500SP</b> | P3 Nuisance Odour Filter            |
| <b>RP PF PRO 1025SP</b>  | General Industry Combination Filter |
| <b>RP PF PRO 1475SP</b>  | Black Neckcape (Standard)           |
| <b>RP PF PRO 1470SP</b>  | White Neckcape                      |
| <b>RP PF PRO 1461 SP</b> | Tychem Neckcape                     |
| <b>RP PF PRO 111 OSP</b> | Purewipes                           |





# Respiratory - Protection



## PUREFLO Accessories

**RP PF PRO1052SP** - Visor Assembly for Pureflo ESM

**RP PF PRO1090SP** - Face Shield Mesh Visor

**RP PF PRO1092SP** - Green Visor Half Length

**RP PF PRO1093SP** - Green Visor FullLength

Different Visors Options for Your Pureflo unit choose from Tinted Shade 5 , Gold or Top Half Tint, Please contact us for more information

**RP PF PRO1475SP** - Neck Cape St/d Black for ESM

**RP PF PRO1105SP** - Spark Shield Neck Cape

Different Neck Cape Options for Your Pureflo unit

**RP PF PF33ESM-** SPureflo PF30 Series ESM Non-Incendiary Std Build Hart Hat Respirator

**RP PF PF33ESM-NI-A2XBLX16R** - Yellow Helmet, No Overcape, Black Neckcape Lifting Visor, P3

**RP PF PF31ABS-WELD-A1XSWX1-** Pureflo ABS Welding Hard Hat Respirator Yellow Helmet, No Overcape, Sparksheild Neckcape

Different Hard Hat Options for Your Pureflo unit choose from White, Yellow, Flouro bYellow, Black Carbon Fibre, Silver Polycarbonate Reflective Helmets

Battery Options for your Pureflo Unit choose from Normal or Smart Batteries as well as Intrinsically safe models



## PUREFLO ESM MULTICHARGER

**RP PF PRO 1043SP**

16 station battery charger, power supply, selection of IEC power leads (EU/UK/ AUS) and clear instructions.

**MAXIMUM RECHARGE TIME 150 MINUTES!**  
SUITABLE FOR ALL PUREFLO ESM UNITS Including: PF33ESM, PF33ESM-WELDING, PF23ESM-P

Charge up to 16 battery packs simultaneously

- Centralised charging simplifies process
- Each battery pack is charged independently -just like having 16 smart chargers
- Impossible to overcharge battery packs
- Simplified electrical requirement, one plug socket per 16 station charger
- Each charger auto senses mains voltage requirement - no adjustments needed
- Cost savings when purchased with Pureflo ESM respirators

## PUREFLO ESM MULTICHARGER

**RP PF PRO 1043SP**

16 station battery charger, power supply, selection of IEC power leads (EU/UK/ AUS) and clear instructions.  
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# Respiratory - Protection

## PAPR - Speedglas



**Speedglas™**

**3M™ Speedglas™**

**"Because there is only one Speedglas"**

It's important to note that not all welding helmets are created equal. With so many different price points it's hard to understand how they differ in quality and why they differ in price - apart from the obvious range of shade settings. This section will lead you through the Speedglas point of difference.

### The Best Possible Optical Quality

Welding lenses can be rated on optical quality across three different classifications - light distortion, diffusion of light and uniform shading looking through the glass pack at a 90 degree angle. 3M™ Speedglas™ Welding Lenses 9100 have the best optical classification possible with a rating of 1/1/1 (where one is the highest and three is the lowest). For welding helmets that DO display their optical rating, take the time to see how it compares with the Speedglas 9100. As for helmets that DON'T make their ratings visible, ask yourself why?

### Smarter Electronics

All Speedglas 9100 lenses have custom, multi-function programmed logic chips that minimise components and improve reliability.

Some other brands have excessive circuitry components which can lead to increased failure. Speedglas circuit boards are manufactured in Sweden and built for Australia's humid and hot conditions with silicone coatings protecting critical components. Some brands use spray coatings or unprotected circuit boards to minimise cost and are vulnerable to contamination.

### Unrivalled Switching

Contrary to popular belief it is irrelevant how many photo-sensors a welding helmet has as long as it consistently reacts across the welding applications it was intended for. The question therefore is not how many sensors does a welding helmet have but rather, how sensitive is the lens?

Answer: Speedglas 9100 reacts AND IS RATED down to 1 amp. A number of competitor brands are only rated to 5 amps. How sensitive is the lens?

A question worth asking if you are working in a professional environment and need your helmet to consistently react across a range of applications requiring a highly sensitive lens.

### Largest Viewing Area on the Market

The Speedglas 9100XX has one of the largest viewing areas available on the market at a huge 73 x 107mm. This is 85% larger than a standard sized Speedglas lens and almost 35% bigger than most of the largest competitor viewing areas. When the peripheral viewing area of the exclusive Side Windows is added to the extra-large 73 x 107mm lens it gives you the largest viewing area currently available amongst auto-darkening helmets on the Australian & New Zealand market.

### Ultimate Versatility - A Long Term Investment

All Speedglas 9100 welding helmets and systems use a 9100 welding lens. So even if you don't need respiratory protection right now, down the track you can always upgrade using the exact same lens. No matter what the welding future holds for you, Speedglas 9100 allows you to adapt to your welding application and environment. A welding helmet today, a welding helmet with a flip-up high impact grinding visor, safety helmet, powered or supplied air respirator system tomorrow. Speedglas is a long term investment for professional welders.

# Respiratory - Protection



## Flip-Up Functionality

A flip-up combination of a welding helmet and a curved 17x10cm high impact clear protective visor. Workers can have integrated eye, face and respiratory protection - whether they are grinding, welding, setting up or simply walking through a work zone.

The clear visor maintains your respiratory protection at all times whilst providing clear 170 degree vision and high impact protection compliant with Australian and New Zealand standard AS/NZS1337.1.

## Compliant to Australian Standards

You should always demand welding protection compliant with Australian standards. Please note that ANSI (US) or EN (European) standards are NOT compliant or relevant to Australian Standards. Also note that equipment not compliant with Australian standards for high impact (AS/NZS1337 or AS/NZS1337.1) should not be used to grind with in Australia or New Zealand - regardless of whether the helmet has a grind mode or not. Similarly, if you require head protection, only use welding & safety helmets compliant with Australian and New Zealand standard AS/NZS1801.

## Exclusive Features and Benefits

Setting the benchmark and being on the forefront of technology means that Speedglas offers exclusive features:

- SideWindows for peripheral vision (shade 5 with conventional shade 13 protection)
- Exhaust vents to assist in removing exhaled air and reduce fog producing moisture
- Advanced Speedglas 9100 head harness with parked stop in the up position
- Integrated head, eye, face, hearing and respiratory protection
- Heat reflecting silver front
- Grind, tack & hidden arc mode
- The Speedglas 9100 FX flip-up mechanism
- Powered and supplied air
- 'Parked stop' in the up position
- Innovative quick release swivel hose allows one handed release.

## Adflo Powered Air & V-500E Supplied Air Options

The Speedglas 9100 respirator helmet systems provide superior respiratory protection than previous models by supplying air directly to the breathing zone. Powered air is not always suitable respiratory protection. For certain applications supplied air is required. Speedglas respiratory welding helmets are suitable for use with powered and supplied air - an important feature as your respiratory protection requirements may change over time. The Adflo PAPR is the welder's PPE of choice, built specifically for the welder's environment with a proven track record of over a decade (with continuous upgrades). The Adflo also has the ability to stack on an odour or gas filter - also an important feature when it comes to welding

## Optimum comfort

The Speedglas 9100 was built with comfort as a priority. The helmet sits perfectly balanced and has set the benchmark for comfort in welding helmets. The head harness features two crown straps for better weight distribution and avoids placing pressure on major blood vessels and nerves. The back of the harness features a self-adjusting swivel that adapts to your head shape and the front of the harness self-adjusts to match the forehead. Every major section of the harness can be adjusted for a custom fit.

## Durable, Robust and backed by First Class Product Support

Surrounding the advanced functionality is one of the most durable and robust lens and shell constructions on the market. The shell is humidity resistant and the lens is constructed to last. We believe in our lenses so completely that we offer a revolving warranty. If a Speedglas lens is returned and replaced under warranty, the warranty period resets, giving you another complete period of cover under warranty. Add this to our first class product support and the availability of spare parts and you see that Speedglas is really in a class of its own.



Industrial Protective Products (WA)  
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# Respiratory - Protection

## PAPR - Speedglass



### 3M™ Speedglas™ Flip-Up Adflo Powered Air Respirator System

#### RP SG 546625

Weld (Stick, MIG, TIG>1A), Cut, Grind, Hidden Arc and Tack

Flip-up mechanism reveals a clear high impact grinding visor (AS/NZS1337.1)

Largest viewing area available on the Australian market (73 x 107mm + SideWindows)\*

Superior optical quality and comfort

Revolutionary airflow delivery results in improved respiratory protection and comfort (AS/NZS1716)

Two adjustable air flow settings 170/200 litres per minute

Seven adjustable dark shades 5, 8, 9-13

New grind and lock in any shade mode

New tack welding comfort mode

Independent centre and eye level photo sensors react down to 1 amp

Exclusive SideWindows design for enhanced vision

Magnifying lens holder provides precise lens placement

Advanced ergonomic ratchet style head harness with parked stop in the up position

Lightweight and compact with a nominal protection factor of 50

Factory calibrated with automatic flow control and low flow alarm

NiMH battery with LED indicator

Four hour smart charger

Large surface area particle filter with LED filter load indicator

Optional gas or odour filter



### 3M™ Speedglas™ Adflo Powered Air Respirator System

#### RP SG 566625

Weld (Stick, MIG, TIG>1A), Cut, Grind, Hidden Arc and Tack

Largest viewing area available on the Australian market (73 x 107mm + SideWindows)\*

Superior optical quality and comfort

Revolutionary airflow delivery results in improved respiratory protection and comfort (AS/NZS1716)

Two adjustable air flow settings 170/200 litres per minute

Seven adjustable dark shades 5, 8, 9-13

New grind and lock in any shade mode

New tack welding comfort mode

Independent centre and eye level photo sensors react down to 1 amp

Exclusive SideWindows design for enhanced vision

Magnifying lens holder provides precise lens placement

Advanced ergonomic ratchet style head harness with parked stop in the up position

Lightweight and compact with a nominal protection factor of 50

Factory calibrated with automatic flow control and low flow alarm

NiMH battery with LED indicator

Four hour smart charger

Large surface area particle filter with LED filter load indicator

Optional gas or odour



### 3M™ Speedglas™ Flip-Up with Safety Helmet Adflo Powered Air Respirator System

#### RP SG 576625

Weld (Stick, MIG, TIG>1A), Cut, Grind, Hidden Arc and Tack

Comfortable safety helmet provides overhead protection (AS/NZS1801)

Flip-up mechanism reveals a clear high impact grinding visor (AS/NZS1337.1)

Optional 3M Peltor Earmuffs (AS/NZS1270)

Largest viewing area available on the Australian market (73 x 107mm + SideWindows)\*

Revolutionary airflow delivery results in improved respiratory protection and comfort (AS/NZS1716)

Two adjustable air flow settings 170/200 litres per minute

Seven adjustable dark shades 5, 8, 9-13

New grind and lock in any shade mode

New tack welding comfort mode

Independent centre and eye level photo sensors react down to 1 amp

Exclusive SideWindows design for enhanced vision

Magnifying lens holder provides precise lens placement

Advanced ergonomic ratchet style head harness with parked stop in the up position

Lightweight and compact with a nominal protection factor of 50

Factory calibrated with automatic flow control and low flow alarm

NiMH battery with LED indicator

Four hour smart charger

Large surface area particle filter with LED filter load indicator

Optional gas or odour filter

# Respiratory - Protection



## Emergency Escape Respiratory Devices

Devices of this nature are designed to allow escape from an environment where the atmosphere has become un-breathable due to contamination or a dangerous oxygen level. These units will either have a limited supply of breathable air (compressed air or chemical oxygen) or will effectively filter the available air for a specific time. They need to be portable, lightweight and sufficiently compact.

### Compressed air supply escape respirators

Will consist of a rechargeable cylinder designed to provide an air supply of between 8 to 15 minutes, connecting hose and a hood with an inner mask that encapsulates the head to keep out any hazardous gasses. Typical applications are in the offshore industry and manufacturing.

### Oxygen self rescuers

Use a chemical reaction to enrich exhaled air with

oxygen as part of a closed circuit breathing system. These consist of a device carried with the user, usually housed in hard case, which can be opened and activated quickly as the situation arises. They are consumable and represent a once off use that can provide between 20 and 60 minutes of air. This type of protection is most often used in the underground mining industry, they have a shelf life and should be integrity checked at regular intervals.

### Escape respirators

Allow the user to breathe the available air, operate by filtering out unwanted contaminants such as organic vapours, inorganic gasses and particulates. They are usually very compact, easy to use and have a service life determined by the effectiveness of the filter itself. They always rely on an adequate level of oxygen being present in the ambient atmosphere and should not be used when this is in doubt. As such, they will most often be used in an open air environment rather than a confined space eg refineries, offshore and manufacturing plants.



#### MSA Miniscope Escape Respirator

##### RP MSA 10038560

The Miniscope respirator is a single use escape device with a 5 minute service time. It is equipped with mouthpiece and nose clip. Small and handy, the Miniscope fits into your pocket and can also be belt mounted.

The Miniscope can be donned very quickly and is immediately operational. It is housed in a rugged, translucent carrying case, to protect it against shocks and ageing. The Miniscope protects against numerous toxic gases including organic vapours and inorganic gases eg. solvents, hydrogen cyanide, ammonia, sulphur dioxide.

Approval is ABEK-5 according to DIN 58647-T7.

#### MSA Smoke Hood

##### RP MSA 1440005 - Smoke Hood

##### RP MSA 1446021 - Training Hood w/o filter

##### RP MSA 1446031 - Filter Holder

##### RP MSA 1446030 - Filter Pads (Box of 100)

The Smoke Hood is an emergency escape respirator, designed to the exacting requirements of the North Sea oil production industry, for self rescue from fire incidents where smoke, carbon monoxide and other toxic gases may be present.

The hood provides protection against radiant heat while the neck seal provides additional protection against smoke rising inside the hood. A self-adjusting, one size fits all, head harness makes for quick and easy donning.

- Elastic neck seal.
- Simple and quick handling.
- Safe protection of breathing, eyes and head.
- Large performance filter.
- High performance filter.
- Low breathing resistance.
- 15 minutes.



Industrial Protective Products (WA)  
Supporting Better Products





# Respiratory - Protection Escape Devices



## Dräger PARAT® 3000 Filtering Escape Devices

**RP DRA R57981** - Dräger PARAT 3100

**RP DRA R57982** - Dräger PARAT 3200

When hazardous substances are present at a work place it has to be taken into account that these substances can suddenly leak out into the air in concentrations that cause severe health impairment or even death. The filtering escape devices Dräger PARAT 3200 have a single but vital task to perform: They ensure that the user is provided with protection along his escape route into a safe, breathable atmosphere. Therefore these devices are robust, compactly designed and safe and easy to handle. The filtering escape devices are designed for a minimum of 15 minutes of escape time and approved to the only standard world-wide for industrial escape devices (DIN 58647-7).

Dräger PARAT® 3100

Half mask with 2-point harness - quick donning, comfortable use and good communication

Dräger PARAT® 3200

Mouth piece/nose clip assembly - for very low leakage

- ABEK 15 Filter - protection against a wide range of toxic gases and vapours
- Robust, ergonomic case - for long service life even in rough work environments
- Transparent cover with mounting clip - easy to service and carry along for daily use
- Long service life - 12 years total life time (filter change every 4 years)



## Dräger PARAT® C Fire Escape Hood

**RP DRA R53555** - Dräger PARAT C Soft-Pack

**RP DRA R54461** - Dräger PARAT C Miners box

A fire along with the hazardous smoke and fumes it gives off can take you by surprise. The Dräger PARAT® C Fire Escape Hood is designed to help you escape safely from a fire by filtering out toxic smoke and fumes - allowing you to breathe safely for a minimum of 15 minutes while escaping to a safe environment.

For years, fire escape hoods have been installed and used during emergencies in hospitals, nursing homes, industrial sites, and even ships. Fire departments use them when rescuing people from burning buildings. The Dräger PARAT C fire escape hood protects its wearers for a minimum of 15 minutes from hazardous fumes and gases which are produced during a fire. Its filter is highly efficient in filtering out carbon monoxide and other fire related gases, fumes and particles. The specially designed hood of the PARAT C provides protection against flying sparks and its universal size allows also bearded users and spectacle wearers a safe escape. Escaping from a fire leaves you no time for blurred vision. The Dräger large visor is treated with an anti-fog coating which keeps your field of vision clear during the escape. According to your application you can choose from five different packaging options of the Dräger PARAT C: an environmentally friendly cardboard single pack, the soft pack easy to take along, the traveller pack in a well-protected plastic case, the heavy-duty box tried and tested in heavy industry, or the twin-pack, which holds two escape hoods in a transparent wall mounted box.

- Highly visible hood in a universal size with a flexible neck seal
- Wide, anti-fog coated visor for a clear view during an escape
- Highly efficient filter protects from toxic gases, fumes and particles, which are produced during a fire
- Additional protection against H2S in accordance with DIN 58647-7
- Five different packaging variations - the right option for every environment



## Dräger PARAT® 4500 Indus- trial Escape Hood

**RP DRA R57977** - Dräger PARAT 4520 Soft-Pack

Where hazardous substances exist in your workplace, you can never entirely rule out the possibility of these substances leaking out into the air. However, with the correct safety precautions, including the use of the Dräger PARAT® 4500, you can escape safely. Equipped with a highly efficient combination filter the Dräger PARAT 4500 Industrial Escape Hoods give you a minimum of 15 minutes escape protection against toxic industrial gases, fumes, and particles - helping you to escape to safety. The Dräger PARAT 4500 hood protects the entire head from toxic gases and dusts and ensures a safe escape also for bearded users and spectacle wearers. In an escape situation there is no time for blurred vision. The Dräger PARAT 4500's wide, anti-fog coated visor keeps vision clear during an escape. According to your application you can choose from three different packaging options of the Dräger PARAT 4500: the soft pack easy to carry along, the traveller pack in a well-protected plastic case and the heavy-duty box tried and tested in heavy industry.

- Highly visible hood in a universal size with a flexible neck seal
- Wide, anti-fog coated visor for a clear view during an escape
- Highly efficient ABEK-P15 filter: protects from toxic industrial gases, fumes and particles
- Three different packaging variations - the right option for every environment



# Respiratory - Protection



**SR76-2 M  
Chemical Escape Hood**

**RP SEA 76 M/L**

**RP SEA 76 S/M**

Emergency escape hoods are vacuum sealed and often stored in handy packs in an easily accessible location for rapid use. One size fits all, and the hood is easily fitted in a single action without practice or training. The respirator and hood provides short-term protection against a variety of substances during evacuation of a building or other emergency procedures.

- Made from flame and chemicals resistant material.
- Incorporates a silicone half mask with an ABEK1 cartridge (organic gas, inorganic gas, acid gas, ammonia) and a high-efficiency particle filter for smoke and fume.
- Extremely easy to put on, and does not require any adjustment.
- Supplied in a vacuum-sealed container with a storage life of 15 years (filters 7.5 years).
- Can easily be fitted with optional SmallTalk microphone and loudspeaker for effective voice communication for use by team leaders, floor supervisors etc.
- Supplied in a handy nylon contingency bag.



**SR77-2 M Chemical/Smoke  
Escape Hood**

**RP SEA 77 M/L**

**RP SEA 77 S/M**

Emergency escape hoods are vacuum sealed and often stored in handy packs in an easily accessible location for rapid use. One size fits all, and the hood is easily fitted in a single action without practice or training. The respirator and hood provides short-term protection against a variety of substances during evacuation of a building or other emergency procedures.

- Made from flame and chemicals resistant material.
- Incorporates a silicone half mask with a gas and particle filter that provides protection from smoke, fume, carbon monoxide and other toxic gases that may be generated in a fire.
- Also provides protection against chemical vapours and warfare agents such as nerve gas, sarin, anthrax, smallpox, tear gas, mustard gas and more.
- Extremely easy to put on, and does not require any adjustment Supplied in a vacuum-sealed container with a storage life of 15 years (filters 7.5 years).
- Can easily be fitted with optional SmallTalk microphone and loudspeaker for effective voice communication by team leaders, floor supervisors etc.
- Supplied in a handy nylon contingency bag.



**InterS Piro Escape Set**

**RP SEA SPIR-ESC-10**

**EMERGENCY ESCAPE BREATHING  
DEVICE (EEBD)**

- Unique patented automatic ambient air valve  
Eliminates the risk of suffocation
- Unique patented air supply system in the hood Maximized duration, minimized dead space
- Two-layered hood, outer and inner  
Positions the inner mask correctly
- Very flexible neck seal Easy to don and comfortable to wear
- Quiet air delivery system Allows voice communication
- Fail safe quick start mechanism  
Guarantees automatic air activation
- Compressed breathing air technology  
Unit can be re-used  
8 Quick fill system  
Quick and easy recharging of cylinders



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# Respiratory - Protection Escape Devices



## MSA Alpha Space Breathing Apparatus

**RP MSA 765623** - Sizes S, M, L

- Adjustable cylinder retainer strap for cylinders up to 9 litres
- Harness made of non-flammable Nomex
- Optional extended warning signal line locates warning whistle near user's ear
- Optional MSA Quick-Fill system
- Available in single & twin cylinder configuration
- Cylinders sold separately.



## MSA BD Mini Escape Set

**RP MSA 762082** - BD Mini AutoMaXX DV Ultra Elite Mask

**RP MSA 228195** - Fully wrapped carbon fibre cylinder and valve 2 litre - 300 bar 15 minute duration.

The MSA Escape compressed air breathing apparatus BD mini is especially suited for short-duration work in confined spaces. Its small size and the variable design permit various carrying modes. With a connection for compressed airline breathing apparatus [available as accessory] the BD mini can be connected to a factory airline system or a cylinder cascade.



## MSA S-CAP-AIR

**RP MSA 10017668T** - Charged.

The S-Cap-Air is a compressed air, constant flow, escape breathing apparatus designed to aid escape from hazardous areas in which toxic substances or oxygen deficiency may occur. It is very easy to operate - simply open the unit, put on the hood and make your escape. 15 minutes duration.

EN 1146 approved.



## MSA Lifeguard III

**RP MSA 764975**

Short duration (8 minutes) escape respirator for use in irrespirable atmospheres. The Lifeguard III consists of an air storage cylinder, pressure reducing constant flow metering valve and flame retardant hood. The easy to fit hood can be used by personnel with facial hair and eyewear and overcomes the problems associated with donning a tight fitting mask.



## Scott Safety Flite Airline Escape Breathing Apparatus

**RP SCO 1047792** - Flite Airline Breathing Apparatus.

The Scott Safety Flite is an open circuit, positive pressure airline breathing apparatus with the option of hip mounted 10 minute compressed air cylinder supply for escape from the most hazardous environments. Ideal for extended working, restricted access areas, working in confined spaces. The Flite's robust design has been proven in some of the most arduous working environments including offshore oil and gas production.

- Easy to don bandolier harness with padded shoulder strap.
- Can be used with Scott Safety Promask PP or Vision 3 positive pressure respirators.
- Optional hip mounted escape cylinder.
- Certified to AS/NZS 1716:2012.
- Where working conditions require supplied air and may require escape from an atmosphere that is Immediately Dangerous to Life or Health ie. confined space entry.



## Scott Safety ELSA Emergency Escape Apparatus

**RP SCO 2009412** - Elsa 10 Minute Escape set with cylinder.

**RP SCO 2009419** - Elsa 15 Minute Escape set with cylinder.

The Scott Safety ELSA constant flow escape breathing apparatus provides a constant supply of air for rapid escape from hazardous industrial and marine environments. The ELSA is simple and quick to operate, reliable and robust in use, ensuring maximum protection in an escape situation. The ELSA is available in durations of 10 or 15 minutes in high visibility PVC or black anti-static polyurethane materials.

- Automatically activated upon opening bag.
- Hood Cuboid design for comfort, vision and fit.
- Quick and Easy Donning.
- HiVis durable PVC coated Polyurethane bag.
- Hood design enables it to be worn by those with beards or glasses.
- Available in 10 or 15 minute escape sets.
- Certified to AS/NZS 1716:2012 / EN1146 with EC/686/86.
- Lloyd's Marine approved (MED Shipswheel).
- Escape only including gas storage areas, plants utilising toxic chemicals.

# Respiratory - Protection



## Dräger Emergency Escape Saver PP

**RP SCO 1047792** - Flite Airline Breathing Apparatus.

In emergency situations, conditions can deteriorate rapidly. The air is suddenly filled with smoke or toxic fumes and rapid escape is the only available option. The Dräger Saver PP was designed for use by trained personnel. When opened, the Dräger Saver PP is automatically activated and begins feeding a continuous supply of compressed air. The Saver PP gives the wearer the precious additional time needed to exit the area safely.

The Dräger Saver PP utilizes a simple, fail-safe reducer system with excellent flow characteristics, providing a consistent rate of air flow until the cylinder is completely empty. It can be equipped with cylinders which can hold either a 10 or 15 minute supply of air. The unit can easily be reset following a false alarm. Cylinders can be refilled without the need for special tools.

The new Dräger PP now features an integrated air hose for connection to external mid-pressure air supplies, commonly found in muster stations and in emergency assembly areas. This feature provides the user with potentially lifesaving protection in prolonged escape situations. Hose attachment and detachment are quick, safe and easy.

The Dräger Saver PP complies with EN402 (2003), Lloyd's Register Certificate of Fire Approval and Lloyd's Register Certificate of Type Approval. It also complies with SOLAS Chapter II-2, the Marine Equipment Directive and the Pressure Equipment Directive. Anti-static versions are also suitable for use in explosive atmospheres (ATEX zone 0).

Dräger Saver PP - Soft bag versions

RP DRA 3359746 Saver PP10 Saver PP15

RP DRA 3359747 Saver PP10 Anti-static

RP DRA 3359748 Saver PP15 Anti-static

RP DRA 3359749 Saver PP10 plus secondary supply

RP DRA 3359754 Saver PP15 plus secondary supply

RP DRA 3359755 Saver PP10 plus secondary supply Anti-static

RP DRA 3359756 Saver PP15 plus secondary supply Anti-static

• Where working conditions require supplied air and may require escape from an atmosphere that is Immediately Dangerous to Life or Health ie. confined space entry.



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# Respiratory - Protection

## Escape Devices - Self Rescuers



### MSA Savox Self Rescuer

**RP MSA 10023263R** - Savox Self Rescuer

**RP MSA 10024538** - SavOx TR Trainer

Very similar to the SSR 30/100 the SavOx offers additional features like safety goggles for eye protection, an automatic starter system and an indicator window. The apparatus is designed to be carried on a belt or shoulder strap, can be donned in seconds and will supply oxygen to the wearer during his escape or while waiting for rescue. Self-contained and low weight it is always ready for use and requires no maintenance. MSA Chemical Oxygen has a maximum life of ten years.

EN 401 Duration: 30 minutes [up to 3 hours at rest]



### MSA SSR90 Self Rescuer

**RP MSA 1118701**

Chemical oxygen apparatus for self-rescue, packed in a robust stainless steel container. Fitted with quick-start chlorate candle. MSA Chemical Oxygen has a maximum life of ten years.

Weight during use: 3.4 kg.

EN 401 Duration: 60 minutes [up to 5 hours at rest]



### MSA Self Rescuer Pressure Testing Unit

**RP MSA 1118845** - Pressure testing unit no insert.

**RP MSA 1118317** - SSR 90 (K 60) self rescuer insert.

**RP MSA 10029195** - SAVOX self rescuer insert.

**RP MSA 1118322** - SSR 30/100 self rescuer insert.

A positive pressure is created in the leak tester. The positive pressure level is determined by the residual volume. The positive pressure remains in a certain range if the container of the tested chemical oxygen apparatus is tight. In case of leakage, the positive pressure drops until the pressure in the test chamber and that in the apparatus have equalised. The larger the leak is, the quicker the pressure drops. This permits also a quantitative estimation of a leakage. The pressure tester needs to be used in conjunction with a product specific insert.



### MSA SSR30/100 Self Rescuer

**RP MSA 1123701** - Oxygen Self Rescuer

**RP MSA 1123711** - **SR 30/100**, Trainer

The oxygen self-rescuer SSR 30/100 is a small, light and robust respiratory protective device, packed in a stainless steel container, which can be used anywhere, where the ambient atmosphere may be oxygen deficient or contain toxic contaminants. The apparatus is designed to be carried on a belt, donned in seconds and will supply oxygen to the wearer during his escape or while waiting for rescue. Super lightweight (2kg). MSA Chemical Oxygen has a maximum life of ten years.

EN 401 Duration: 20 minutes [up to 100 minutes at rest]



# Respiratory - Protection Air Supplied



## AIR SUPPLIED RESPIRATORY PROTECTION

### Compressed Airline Apparatus

Respiratory Protection Equipment (RPE) supplied with clean air via an airline from an external source, the airline can be either Polyvinyl Chloride (PVC) or anti-static, chemical and heat resistant and incorporate dual action safety couplings.

### Airline Escape

An essential consideration when operating any form of airline Respiratory Protection Equipment (RPE). The very nature of the environment usually calls for backup air supply systems should a compressor supply fail. The escape provision will ensure that an independent supply from irrespirable atmosphere is available to allow safe exit. Duration of such sets range from 10, 15 to 20 minutes.

Airline Respiratory Protection Equipment (RPE) is usually utilised when any of the following conditions are likely, confined space entry, hazardous paint application, prolonged decontamination, and generally where conventional Self-Contained Breathing Apparatus (SCBA) are either not appropriate due to size, duration or condition restrictions.

### WHEN SHOULD AIR SUPPLIED SYSTEMS BE IMPLEMENTED?

AS/NZS1715 provides a basis, after higher hierarchy controls have been explored, to select the correct and approved apparatus, train in its use, care and maintenance to help ensure an effective respiratory program is in place.

### Airline shall be used in any of the following conditions -

1. The ambient conditions are unknown
2. The concentration of contaminant could be Immediately Dangerous To Life And Health (IDLH) level
3. The oxygen content of the ambient air is below 19.5%
4. Working in confined, enclosed or unventilated spaces\* (tanks, bunkers, pits, silos, boilers, pipelines, trenches and ship holds)

Airline Respiratory Protection Equipment (RPE) could be used in many other applications that are not covered above, these may include abrasive blasting, objectionable odours, dusty environments and extended exposure.

## Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection Air Supplied



## 3MTM Wall-Mount 3 Person Breathing Air Panel

**RP 3M 901-00-47** 3MTM Wall-Mount 3 Person Breathing Air Panel

**RP 3M 901-01-07 3MTM Wall-Mount 1 Person Breathing Air Panel**

3MTM Breathing Air Panels feature a 2-stage filtration system that is capable of delivering regulated breathable compressed air to all variations of 3M Supplied Air respiratory protection systems. 3M Breathing Air Panels are available either as a 1 person or 3 person configuration.

3M Breathing Air panels are extremely versatile, with air filters capable of supplying clean breathable air from mineral, synthetic and oil-free compressed air systems.

Features and Benefits + Compact dimensions allow all mounting in tight spaces

+ Standard wall mount bracket allows easy installation near location of use

Replacement Filters (ordered separately)

RP 3M 901-00-50 Coalescing Element

RP 3M 901-00-49 Carbon Element

RP 3M 901-00-53 Wall mounting bracket



## 3M™ Versaflo™ Supplied Air Regulator, V-500E

**RP 3M V-500E**

Belt-worn supplied air regulator. When combined with one of the 3M approved headtops, it forms a supplied air respiratory protection system.

- Controlled, constant flow of air

- Locking control knob allows airflow to be adjusted to user's preference

- Integrated warning whistle warns the user

of low supplied air pressure

- Integrated silencer reduces regulator's noise level to less than 65 dBA

- Integrated replaceable active carbon filter removes odours

- Auxiliary port allows air tools such as paint spray guns to be connected to the regulator without affecting airflow to the headtop

- Can be used with 3M compressed air hoses up to a maximum length of 30 m

- Regulator unit can be adjusted on the belt for right and left-handed users

- Swivelling bayonet connector allows the breathing tube to move freely to the most comfortable position

- No silicon components



## 3M™ Supplied Air Cooling and Heating Vortex

**RP 3M 902-02-18** Cooling Airline Kit inc. QRS Hose

**RP 3M 902-02-85 Heating Airline Kit inc. QRS Hose**

The 3M™ Supplied Air Cooling and Heating Vortex's can provide the wearer up to 25°C cooling or heating of the compressed air supply temperature into the headtop.

Features

- Provides comfort and high protection levels

Adjustable air flow rate / temperature

Can provide the wearer up to 25°C cooling or heating of the compressed air supply temperature

Compact and lightweight - 575gms including belt and hose

Compatible with 3M QuickRelease System headtops for different applications

Free air volume user variable between 180 - 350 l/min (6.4 - 12.4 cfm) depending on air supply.

# Respiratory - Protection



## 3M A42 Airline System

**RP 3M 68SA42** 3MTM Full Facepiece System -Medium

**RP 3M 69SA42** 3MTM Full Facepiece System -Large

### Features

Lightweight: 590g (ex. facepiece)  
Operating pressure range: 16-38 psi  
User adjustable airflow range is from 113 to 425 Litres/minute  
Fitted with CEJN Type 342 fittings for connection to 3M Airline breathing hoses  
Provides Protection Factors (AS/NZS 1715) of up to 50 when fitted to 3M half face respirators and 100+ when fitted to 3M full face respirators  
Compliant to AS/NZS 1716 continuous flow airline system  
Robust, low profile and innovative design  
Maximum comfort and protection levels  
Adjustable flow rate for individual comfort  
No breathing resistance  
Can be fitted to 3M 6000 full or 6000/7500 half facemask as required  
Ability to fit filters as well as the airline on the facemask for protection when disconnected from airline supply (SA-2100) only



## SR307 Compressed Air Attachment

**RP SEA 307**

A supplied airline regulator for use between an external air supply (e.g. compressor or cylinder) and a suitable Sundström respirator, hood or shield. Features a second air outlet on the regulator to supply air to a spray gun or other compressed air tool. A silencer in the air compartment decreases the noise of the compressed air going into the mask.



## 3M Stethoscope Airline Attachment

**RP 3M 901-00-71** 3MTM SA-2000 Stethoscope Breathing Tube Set Single connection to facemask

**RP 3M 902-03-15** 3MTM SA-2100 Combination Stethoscope Breathing Tube Set Dual connection-has the capability of fitting negative pressure filters as well as positive pressure airline on the facemask for the maintenance of respiratory protection when the supplied air is disconnected.



## SR200A Airline Full Face Mask

**RP SEA 200A** with polycarbonate visor

**RP SEA 200AG** with glass visor

The SR200 Airline comprises an SR200 full face mask supplied with air from an external source through a hose and a regulator on the user's belt.

- Specially designed for heavy-duty, prolonged work, or where pollutants are especially hazardous and a high degree of protection are required.

- A standard filter of suitable type in the mask provides back-up protection in case of loss of air supply and protects the user while walking to and from the workplace. In enclosed work spaces, the equipment can be used without filter with the front hole plugged.

## Optional Accessories

**RP 3M 901-00-56** Air Line Breathing Hoses 7.5m

**RP 3M 901-00-55** Air Line Breathing Hoses 10 m

**RP 3M 901-00-54** Air Line Breathing Hoses 15 m

**RP 3M 901-00-47** Breathing Air Panel with CEJN Fittings



## SR63 Supplied Air Hood

**RP SEA 63-10**

A compressed air hood does not rely on tight facial fit. It is therefore suitable for people who cannot achieve adequate fit with another type of respirator, such as people with beards, moustaches, stubble, whiskers or other facial hair; persons with severe skin conditions; users with dentures; or people whose face characteristics for other reasons preclude the use of respirators relying on tight fit.

- Fits over the entire head.
- Often a good solution for bearded users.
- Durable PVC-supported nylon material.
- Crush-proof, scratch-proof polycarbonate visor.
- Can be used with SR307 regulator with extra outlet for compressed air tools such as spray guns.



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# Respiratory - Protection Air Supplied



## Sundström SR 99 Compressed air filter

**RP SEA SR99** - Sundstrom SR99 Compressed Air Filter complete, no hose.

**RP SEA SR292** - Sundstrom replaceable main filter

Compressed air filter used to clean ordinary compressed air for safe breathing.

Also suitable for cleaning air supply to pneumatic tools and instruments that require pure air.

Use between the compressor and the output device, e.g. a respirator or air tool. The SR 99 can be

placed on the floor or wall-mounted

Stage 1: Coarse particles (oil, water, dirt) are filtered out in the pre-filter, which has a pressurecontrolled/manual drain.

Stage 2: Air moves through the main filter (replaceable SR 292 filter).

Stage 3: Main filter removes microscopic particles and oil odours.

Stage 4: Air moves through a secondary P3 particle filter.

Filters/cartridges: SR 292 filter, incorporating two particle (P3) filters – one on either side of an organic gas (A3) filter.

Filter area of P3 filters: 2,200 cm<sup>2</sup> approx. Activated carbon: approx. 500 grams Adsorption capacity: 100-150 g oil

Inlet: 1/2" BSP, 6-10 bar

Outlets: One safety coupling; one plugged opening. An additional Y coupling that doubles the number of

outlets is available as an accessory

Maximum flow rate: 900 litres/minute – three users



## SEA Compressed Airline Hose

**RP SEA 200-01882** - 8m complete with CEJN couplings.

**RP SEA 200-01883** - 10m complete with CEJN couplings.

**RP SEA 200-01884** - 15m complete with CEJN couplings.

**RP SEA 200-01885** - 20m complete with CEJN couplings.

**RP SEA 200-01886** - 25m complete with CEJN couplings.

**RP SEA 200-01887** - 30m complete with CEJN couplings.

**RP SEA 200-01888** - 35m complete with CEJN couplings.

Compressed airline hose for supplied breathing air and airfeed for compressed air tools, spray guns etc.

- Available in various lengths.

- Use between the compressed air filter and the regulator on the user's belt.

- Heat resistant, anti-static.

- 9.5mm black rubber hose.

- Comes complete with CEJN dual-action safety couplings.

## MSA Automatic Switch Over Valve

**RP MSA 4066700**

The ASV connects a compressed airline to a BD mini. This ensures a continuous supply of air in case the external air source [e.g. factory airline] fails.



## SEA SpiroCART

**RP SEA 230-03344** without cylinders.

SpiroCART is a BA backpack on wheels. Instead of wearing your cylinders on your back, or dragging cumbersome hoses from a remote air source, put your cylinders on a light-weight, highly mobile trolley. With SpiroCART, you can work continuously for as long as you like, since full and empty cylinders can be rotated without interruption to the air supply.

- Accepts a variety of cylinder sizes from a single 3-litre to twin 9-litre bottles.

- Can be pushed or pulled and features an extendable handle.

- Can also be fitted with a hose wheel for situations where the user needs to work a distance away from the cart.

- As soon as one cylinder is empty, the warning whistle sounds, and you switch over to the second cylinder and replace the empty one without any break in the air supply.

# Respiratory - Protection



## Scott Safety Flowhood 5 Airline Headtop

**RP SCO T5** - Flowhood 5 Airline Headtop with EPDM hose to connect to FCV AIRLINE.

The Flowhood 5 Airline Headtop is lightweight with a flip up high impact polycarbonate visor. An integrated helmet provides head protection and comes complete with EPDM hose to suit FCV AIRLINE. Ideal for heavy industrial and smelter applications.

- Combined head, eye, face and respiratory protection.
- Safety helmet fitted for impact head protection.
- Ratchet head harness for a secure fit.
- Green polyurethane coated nylon.
- Optional cap attachable earmuffs.
- Complete with EPDM hose to connect to FCV AIRLINE.
- Certified to EN 1835LDH2 (when used in conjunction with FCV AIRLINE).
- Certified to AS/NZS 1337 (High impact eye protection).
- Certified to AS/NZS 1801 Type 1 (HC71 Helmet).



## Scott Safety Promask Combi

**RP SCO 012781** - Promask combi.

The Scott Safety Promask Combi headtop is fitted with a breathing hose and self closing valve. When leaving contaminated area can detach from compressed air and be used with Scott Safety Pro2000 filters.

- For use with constant flow full face respirator or air purifying systems.
- Fitted with breathing hose and self closing valve.
- When leaving contaminated area can detach compressed air and be used with Scott Safety Pro2000 filters.
- Made of lightweight, durable Halo butyl.
- Approved EN270.

### Accessories

**RP SCO 012698** - Visor Overlays (10pk)

**RP SCO 012790** - Prescription spectacle frame

**RP SCO 012796** - Clip-in on welding visor with Shade 10

**RP SCO 063287** - Welding Visor 10DIN, size 60 x 110mm

**RP SCO 063298** - Auto Darkening Welding Visor 10/11DIN, size 60 x 110mm

**RP SCO 012797** - Balaclava - Welding (with hose access)



## Scott Safety Airline Filter Regulator

**RP SCO BA21BOPT** - 2 Man Regulator

**RP SCO BA41BOPT** - 4 Man Regulator

**RP SCO KA010AA** - Replacement lower filter for BA21BOPT (purchased after Jun07)

**RP SCO KA010AC** - Replacement upper filter for BA21BOPT (purchased after Jun07)

The Scott Safety Airline filter regulator connects to the airline hose and air source. Designed to be installed directly at the point of use, breathing air filters combine two types of filtration into one housing. Liquid aerosols and solid particulates are removed using a pleated filter and oil vapours removed by an activated carbon filter. Each breathing filter ensures low pressure losses. For 2 man or 4 man capacity Designed to remove particles, oil mist and water from an airline source.

- Airline filter regulator, two or four man outlet.
- Filter regulator to connect to airline hose and air source.
- For 2 man or 4 man capacity.
- Designed to remove particles, oil, mist and water from an airline source.
- Approved to AS/NZ 1716:2003.

## Scott Safety Modular Airline Trolley

**RP SCO 1051844** - Modulair Airline Trolley - with hose reel - 2 man, 2 cylinder.

**RP SCO 1051880** - Modulair Airline Trolley - with hose reel - 4 man, 4 cylinder.

The Scott Safety Modulair range of Airline Trolley Systems provide a portable compressed air supply system for the users of airline breathing apparatus. Available in 2 and 4 cylinder versions, 2 and 4 wearer versions and with optional extras such as airline filter units and electronic low pressure alarms.

- Pressure reducer systems utilise the same robust and proven technology as Scott Safety SCBA.
- Welded stainless steel tubular frame for robustness and corrosion resistance.
- Compact, easy to use airline trolley system.
- Capacity to hold 2 cylinders for 2 man operation.
- High performance pneumatics.
- Hose reel will hold 90 metres of PVC or 60 metres of Anti-static hose.
- Optional hip mounted escape cylinders (Flite).
- Hose, cylinders and mask sold separately.
- Certified to AS/NZS 1716:2012 / EN139.

### Accessories

**RP SCO 1051945** - Modulair 2 man, 2 cylinder, pneumatics only.

**RP SCO 1051902** - Modulair hose reel only.

**RP SCO 1118245T** - Cylinder 6.8L 300 bar carbon fibre T valve.

**RP SCO 1127413T** - Cylinder 9L 300 bar carbon fibre T valve.

**RP SCO 1051467** - 20 metre Black PVC Hose with CEN couplings.



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# Respiratory - Protection Air Supplied



## Scott Safety Flowhood 3 Air-line Headtop

**RP SCO T3/PC** - Flowhood 3 Airline Headtop with hose to connect to FCV AIRLINE (Polycarbonate Visor) High Impact.

**RP SCO T3/AC** - Flowhood 3 Airline Headtop with hose to connect to FCV AIRLINE.

(Thermoguard+ visor) High Impact, High Temp resistance & some chemical resistance.

The Scott Safety Flowhood 3 Airline Headtop combines high impact eye and face protection in a lightweight durable PU coated nylon head covering for increased wearer comfort and protection. Ideal for grinding, woodworking and heavy industrial applications. The Flowhood 3 Airline Headtop delivers air to the wearer via a specially designed air duct that directs the flow onto the visor. Flowhood 3 offers a very wide field of vision and the flip up carrier is available with polycarbonate or acetate replaceable visors and comes complete with hose to suit FCV AIRLINE.

- Lightweight and comfortable featuring a wide face seal.
- Replaceable visor screen in Polycarbonate for impact protection and Acetate against chemical splash.
- Ratchet head harness for a secure fit.
- Wide field of vision.
- Complete with hose to connect to FCV AIRLINE.
- Certified to EN 1835LDH2 (when used in conjunction with FCV AIRLINE).
- Certified to AS/NZS 1337 (High impact) Polycarbonate Visor.



## Scott Safety Flowhood 1 Airline Headtop

**RP SCO T1:ML** - Flowhood 1 Airline Headtop with hose to connect to FCV AIRLINE.

The Scott Safety Flowhood 1 Airline Headtop is an ultra-lightweight durable PU coated nylon head piece with excellent vision. Designed for applications where impact protection is not required. Flowhood 1 provides a cool flow of clean air over the head and down the face and comes complete with hose to suit FCV AIRLINE. Ideal for light industrial, food, pharmaceutical and dust/biological hazards.

- Ultra-lightweight soft half hood covering the face and top of the head.
- One size to fit many sizes.
- Unique, wide face seal design for high levels of comfort.
- Acetate Visor.
- Complete with hose to connect to FCV AIRLINE.
- Certified to EN 1835LDH2 (when used in conjunction with FCV AIRLINE).



## Scott Safety FCV Airline Regulator

**RP SCO 2017250** - Airline FCV Regulator with Belt

FCV AIRLINE is a waist-mounted pressure regulator for use with a medium pressure compressed airline system. Incorporates a quick fit bayonet connector for use with a range of Scott Safety Airline headtops and can be removed to allow connection to a small bore airline hose for use with the Scott Safety Promask Combi full face respirator.

- Incorporates a CEN supply airline hose coupling.
- Low-pressure warning whistle sounds if the system fails to supply the minimum airflow.
- In-line residual odour filter that removes any residual vapours trapped in the supply hose between uses, and also removes oil vapour which causes a colour change to indicate replacement.
- Approved for use with Scott Safety range of PVC airline supply hose, up to 60 metres in length.
- Approved for use with the Flowhood 1, Flowhood 2, Flowhood 3, Flowhood 5 and Flowhood 25 Airline headtops.
- Approved for use with the Scott Safety Promask Combi Full Face Respirator.
- Approved to EN 14594:2005.

### Accessories

**RP SCO T2/HOSE** 80cm Polyurethane breathing hose connects to FCV Airline

**RP SCO TALFILTER** Internal filter warning cartridge (replace annually)

## Scott Safety Airline Accessories

**RP SCO 2003397** - Y Piece with CEN couplings.

**RP SCO 1023353** - Inline whistle with CEN couplings.

**RP SCO 1051526** - High pressure reducer, 207 bar compressed air pin-index inlet connection, 55 bar high pressure whistle.

**RP SCO 1051528** - High pressure reducer DIN connection, 300 bar, 55 bar high pressure whistle.

**RP SCO RXMCT** - Airline fitting female with male thread, required for 2 man operation with RP SCO BA21BOPT.

The Y piece The Scott Safety Y piece airline fitting adds flexibility to an airline system by allowing an airline to be split into two hoses. This allows two users to share a single air supply.

Medium Pressure Inline whistle The Scott Safety Medium Pressure Inline Whistle, when placed in an airline system between the breathing hose and the user, provides a safe a clear warning should the airline pressure drop below 4 bar.

- Male couplings are fabricated from 316 grade stainless steel.
- Female couplings are fabricated from nickel-plated brass with stainless steel locking balls.
- Self sealing couplings; can be connected / disconnected under pressure.
- CEN type are standard on Scott Safety fittings with a locking mechanism that has a single action to connect and a fail safe double action to disconnect.
- Certified to AS/NZS 1716:2012.
- Suit the complete Scott Safety range of DV Airline apparatus.



# Respiratory - Protection SCBA Units



## Self Contained Breathing Apparatus (SCBA)

Designed to operate independently of the ambient air, an SCBA system gives the user the flexibility of mobility combined with isolation from any potentially hazardous atmosphere. Comprising a back plate, harness, mask and air delivery system (pressure reducer and Lung governed demand valve), an SCBA set will be used in conjunction with a cylinder of compressed air to complete the system. Cylinders vary according to composition and capacity and will typically provide air for durations between about 15 and 70 minutes according to the users breathing rate.

SCBA sets range from budget orientated systems with basic features and components designed for compliance purposes to models comprising fire retardant materials and extra robust hardware to be used in very hostile conditions. Common applications for SCBA include fire fighting, emergency response, offshore and marine industry and government departments like police and defence forces. An SCBA system will have a pressure gauge and an inbuilt warning whistle to let the user know when the air supply has fallen below a certain level. SCBA and their components are subject to regular inspections such as annual leak tests, diaphragm checks and a 6 or 9 year overhaul.

Some common accessories to compliment an SCBA system are cylinders as mentioned along with communication, personal monitoring and alarm devices.



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# Respiratory - Protection SCBA Units



## MSA AirGo Compact Breathing Apparatus

**RP MSA 766278**

Rule #1: expect the unexpected. The AirGo Compact SCBA is specifically designed for emergency response and escape. On ships or industrial facilities where such units are mandatory, the AirGo Compact is an obvious choice.

The lung governed demand valve AutoMaXX®-AS is fixed to the medium pressure line. The no-frills system keeps costs at a minimum without sacrificing safety.

The vital pneumatic and carrier components are the same as those used in the high-end MSA presets, making AirGo Compact a fully-fledged device for the toughest applications including firefighting.



## MSA AirGo Pro Breathing Apparatus

**RP MSA 766279**

When you are looking for a strength carrier for firefighting and for a wide range of maintenance or rescue operations, the AirGo Pro is ready for deployment. Its rugged reliability, flexibility and great value make it a popular choice for fire brigades, plant, sub-surface or offshore use. Weight is distributed evenly and kept close to your body to reduce stress and fatigue.

The alpha Single Line pneumatic system integrates warning signal, second connection and gauge in an easily accessible manifold at your chest. The optional alpha Personal Network offers extended electronic and telemetric monitoring and communication capability.

Firefighters and industrial workers around the world who are looking for high quality, solid reliability and comfort use AirGo Pro for their respiratory protection.



## MSA AirMaxx Breathing Apparatus

**RP MSA 766281**

For high-frequency and extended SCBA wear, maximum user comfort translates directly into increased performance and good health. The AirMaXX SCBA preset combines premium ergonomic features with advanced technology to provide the best experience in SCBA wearability available today.

The ergonomically designed and optimally balanced AirMaXX backplate is adjustable to fit all body sizes. This works in conjunction with the premium S-swing shoulder pads and swivelling hip belt to distribute weight evenly while increasing freedom of movement. Stress and fatigue are reduced as you perform your job without restrictions. The AirMaXX stays with you even when you are turned upside down.

The alpha Single Line pneumatic system integrates warning signal, second connection and gauge in an easily accessible manifold at your shoulder. The optional alpha Personal Network offers further electronic and telemetric monitoring and communication capability.

If you are using your SCBA frequently, for long periods at a time or require absolute concentration in your work, the AirMaXX is the system of choice.



## Breathing Apparatus Cylinder Selection Guide

RP MSA 223358 - 3 litre 300 bar Fully wrapped carbon fibre cylinder + Valve Duration: 22 mins Approximate Weight Full: 3.4 kg

RP MSA 228196 - 4.3 litre 300 bar Fully wrapped carbon fibre cylinder + Valve Duration: 31 mins Approximate Weight Full: 6.4 kg

RP MSA 227921 - 6.8 litre 300 bar Fully wrapped carbon fibre cylinder + Valve Duration: 51 mins Approximate Weight Full: 6.9 kg

RP MSA 229796 - 9 litre 300 bar Fully wrapped carbon fibre cylinder + Valve Duration: 67 mins Approximate Weight Full: 8.1 kg

RP MSA 228195 - 2 litre 300 bar Fully wrapped carbon fibre cylinder + Valve Duration: 15 mins Approximate Weight Full: 2.6 kg

RP MSA 228315 - 6 litre 300 bar Steel Cylinder + Valve Duration: 45 mins Approximate Weight Full: 10.4 kg

RP MSA 222378 - 9 litre 207 bar Fully wrapped 3S Glass cylinder + Valve Hoop Wrapped Duration: 46 mins Approximate Weight Full: 10.4 kg

# Respiratory - Protection



## Scott Safety Sigma ACSm SCBA Compliance Set

**RP SCO SCBACOMP6** - Sigma ACSm compliance set with 6.8L 300 Bar Carbon Fibre Cylinder.

The Scott Safety Sigma ACSm Compliance kit is everything you need in one kit. The kit comes complete with the backplate, mask, cylinder and bag. The ACS is the lightest carrying system in its class, it has a softer, more flexible backplate for greater comfort and flexibility and is set to become the industry standard carrier for SCBA in the industrial and marine environments.

- Complete with Sigma ACSm SCBA (backplate, harness, pneumatics), Scott Safety Promask PP Left Quick Fit (LQF) full face mask, 6.8L 300 bar carbon fibre cylinder and a bag.
- Lightest carrying system in its class.
- Softer, more flexible backplate for greater comfort and flexibility.
- Lower through life costs.
- Easy decontamination (machine washable).
- High performance pneumatics.
- Approved with both 207 & 300 bar cylinders.
- Certified to AS/NZS 1716:2012.
- MED Marine Equipment Directive (Shipswheel).



## Scott Safety Sigma ACSm Self Contained Breathing Apparatus

**RP SCO 2018412** - Sigma ACSm back plate, harness and pneumatics

Scott Safety's ACS represents a major advancement in SCBA carrying systems. It is significantly lighter than any other carrying system and offers the wearer the ultimate in comfort and flexibility combined with the highest standards of performance designed specifically for use as a Class 1 compliance set for use in marine and industrial environments.

- Lightweight, ThermoFlex® backplate flexible self contained breathing apparatus.
- Ergonomically moulded to fit spine and back muscles.
- Adjustable shoulder straps & waistband featuring quick release buckle.
- High performance pneumatics with compact first breath activated demand valve.
- Includes backplate, harness & pneumatics.
- Mask and cylinder sold separately.
- Certified to AS/NZS 1716:2012 .
- MED Marine Equipment Directive (Shipswheel).

### Accessories

**RP SCO 013190** - Promask PP Left quick fit first breath response face mask.

**RP SCO 1118245RAV** - Cylinder 6.8L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 1127413RAV** - Cylinder 9L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 2014810** - SCBA Moulded carry case.

## Order Information



Call 08 9330 6355



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# Respiratory - Protection SCBA Units



## Scott Safety Sigma ACSf Self Contained Breathing Apparatus

**RP SCO 2018328** - ACSf back plate, harness and pneumatics

**RP SCO 2018362** - ACSf AC back plate, harness and airline pneumatics

The Scott Safety ACSf is designed specifically as a Class 2 Professional Fire Fighting SCBA, however it is also suitable for providing respiratory protection for any IDLH (Immediately Dangerous to Life and Health) environment. The ACSf features a swivel movement waist belt which ergonomically moulds to fit the spine and back muscles providing added comfort for the user. The Scott Safety ACS builds upon the successes of the Contour SCBA range combining comfort and performance and low through life costs.

- Lightweight, ThermoFlex® backplate flexible self contained breathing apparatus.
- Ergonomically moulded to fit spine and back muscle.
- Adjustable shoulder straps.
- Swivel movement waist belt.
- Fully adjustable padded body harness.
- Adjustable waistband featuring quick release buckle.
- High performance pneumatics with compact first breath activated demand valve.
- Includes backplate, harness & pneumatics.
- Mask and cylinder sold separately.
- Certified to AS/NZS 1716:2012 / EN137:2006 Class II MED.
- MED Marine Equipment Directive (Shipswheel).

### Accessories

**RP SCO 013190** - Promask PP Left quick fit first breath response face mask.

**RP SCO 1118245RAV** - Cylinder 6.8L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 1127413RAV** - Cylinder 9L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 2014810** - SCBA Moulded carry case.

## Scott Safety Sigma ACSi Self Contained Breathing Apparatus

**RP SCO 2018416** - ACSi back plate, harness and pneumatics

**RP SCO 2018417** - ACSi AC back plate, harness and airline pneumatics

The Scott Safety ACSi builds upon the successes of the Contour SCBA range combining comfort and performance and low through life costs. The ACSi integrates ThermoFlex® technology and revolutionary pneumatic systems to result in a high quality SCBA product. The result is considerably reduced user burden combined with the highest standards of performance. The ACSi is designed specifically as a Class 1 SCBA set for use in industrial environments.

- Lightweight, ThermoFlex® backplate flexible self contained breathing apparatus.
- Ergonomically moulded to fit spine and back muscles.
- Adjustable shoulder straps and padded body harness.
- Adjustable waistband featuring quick release buckle.
- High performance pneumatics with compact first breath activated demand valve.
- Includes backplate, harness & pneumatics.
- Mask and cylinder sold separately.
- Certified to AS/NZS 1716:2012 .
- MED Marine Equipment Directive (Shipswheel).

### Accessories

**RP SCO 013190** - Promask PP Left quick fit first breath response face mask.

**RP SCO 1118245RAV** - Cylinder 6.8L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 1127413RAV** - Cylinder 9L 300 bar carbon fibre RAV (Right angle valve).

**RP SCO 2014810** - SCBA Moulded carry case.





# Respiratory - Protection



## Scott Safety SCBA Accessories

**RP SCO 2014810** - SCBA Moulded Carry Case.

**RP SCO QTB454** - SCBA Wall Bracket (suitable for 9L quick release).

**RP SCO SCBACAB** - SCBA Wall Cabinet.

**RP SCO SCBABAG:L** - Carry Bag - Large - SCBA.

## Scott Safety Cylinders

**RP SCO 1118245RAV** - 6.8L 300 bar (RAV) Carbon 50 min for SCBA or modular units.

**RP SCO 1118245T** - 6.8L 300 bar (T Valve) Carbon 50 min for SCBA or modular units.

**RP SCO 1127413RAV** - 9L 300 bar (RAV) carbon fibre for SCBA or modular units.

**RP SCO 1127413T** - 9L 300 bar (T Valve) carbon fibre for SCBA or modular units.

**RP SCO 2006634** - 3L 300 bar Steel Cylinder 20min for Cen-Paq.

**RP SCO 2006648** - 2L 200 bar Steel Cylinder 10min escape for Flite.

### Carbon Fibre Cylinders

The 6.8L or 9L 300 bar carbon fibre cylinders provide a lightweight solution for containing the air required by Scott Safety breathing apparatus. Carbon Fibre Cylinders are constructed of an aluminium alloy inner shell and over wrapped entirely with carbon-fibre, fiberglass and epoxy resin. Cylinder liner is coated with aluminium oxide to protect against moisture and corrosion. Carbon fibre wrapped cylinders are fitted with valves suitable for Scott Safety SCBA and Scott Safety Modulair Airline Trolley systems. Available with a right angle valve (RAV) or T valve. All cylinders are supplied charged and full.

### Steel Cylinders for Escape Sets

The Steel cylinders are painted grey and black as per standards requirements and are complete with cylinder valve. All cylinders are supplied charged and full.

- Cylinders conform to EN12245 or ISO11119-2

### Accessories

**RP SCO 1023116** - Pressure Test Gauge - 200/300 bar.

**RP SCO 1024182** - Cylinder Protective Cover - Red.



## MSA Motionscout PASS Alarm

**RP MSA 10088475** - motionSCOUT

**RP MSA 10088476** - motionSCOUT K [key version]

**RP MSA 10088477** - motionSCOUT T [with temperature sensor]

**RP MSA 10088478** - motionSCOUT K-T [key version with temperature sensor]

The next generation of standalone personal alert safety systems (PASS) motion SCOUT detects the cessation of bodily movement and activates an automatic alarm. For enhanced safety the alarm can be activated manually as well. With highly visible LEDs and an alarm volume of at least 95 dB it helps to locate the person in danger.

The sensitive, electronic motion sensor recognises all normal body movements. A bicolour LED clearly shows the readiness of the unit. Maintenance-free and durable [IP 67] it guarantees a great cost-performance-ratio. motionSCOUT is extremely simple to use and can be easily affixed to the shoulderstrap or hip belt. An easy-to-use key version [switch ON by pulling out the key], with manual alarm reset function, as well as an optional temperature sensor are available.

EMC: 89/336 EEC, EN 61000-6-2, EN 61000-6-3 [pending]

EX II 1G EEx ia IIC T4 [pending]

## Order Information



**Call 1800 000 000**



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# Respiratory - Protection Portable Gas Detection



## About GasClip

Why GasClip is the name you can count on in portable gas detectors.

With over 30 years of experience in the gas detection industry, GasClip know that they could bring a valuable product to the market. In 2009, Gas Clip Technologies was founded with the goal of revolutionizing portable gas detectors. Within just a few years, companies in industries of every kind have embraced their products because of their wide range of benefits, including greater worker safety, improved productivity, greater efficiency and lower cost of ownership. GasClip outperform and outlast the competition.

GasClip created portable gas detectors with a difference. Consider their latest innovation, the Multi Gas Clip (MGC). It's the only portable gas detector with a battery life that can last months instead of hours. In fact, the MGC can go a full 2 months without a charge even without ever being turned off.

The MGC follows in the footsteps of our Single Gas Clip (SGC) Plus. You can put these portable gas detectors into hibernate mode when they're not in use so you can extend the life of the units. Even their SGC Dock and MGC Dock portable or wall mountable docking station are a breakthrough. It lets you test 4 portable gas detectors at a time instead of one by one by one by one. That saves time and reduces testing gas.

At work in the most demanding industries, the harshest environments.

Whether you work in oil and gas, utilities, wastewater, telecommunications, marine, or other demanding industries, you need portable gas detectors that are reliable and durable. That's why GasClip built their portable gas detectors to withstand both the hottest and coldest working environments.

Technology is part of their name for a reason.

Innovation is the lifeblood of their business. GasClip continue to build the latest technology into their products. For example, the MGC uses a low power photometric technology to detect combustible gases (LEL).

Instead of draining the battery with pellistor technology that's been around since the 1950s, the MGC uses a low power diode infrared source, which conserves power.

Easy to use, simple to maintain.

While GasClip units use the latest technology, they've made them simple to operate. They're also easy to maintain. That's why they can back the products with a 2-year guarantee.

# Respiratory - Protection



## Products Overview

Gas Clip Technologies (GCT) offers two families of portable gas detectors - The Single Gas Clip Family and the Multi Gas Clip Family.

Their Single Gas Clip Family includes the Single Gas Clip (SGC) and the Single Gas Clip Plus (SGC Plus). The SGC comes in three different models to detect three different types of gases (O<sub>2</sub>, CO or H<sub>2</sub>S). The SGC Plus has the same benefits as the SGC, except it has the unique characteristic of being able to “hibernate” to extend the life of your detector. The SGC Family line is certified intrinsically safe for use in Class I, Division 1, Groups A, B, C and D areas in North America via a National Recognized Testing Laboratory -ETL (UL-913 & CAN/CSA-C22.2 No. 157); to the ATEX standard, via Intertek, as intrinsically safe to classification II 1G (zone 0) Ex ia IIC T4; and to the IECEX standard as intrinsically safe to classification II 1G (zone 0) Ex ia IIC T4. We are also certified for Ingress Protection (IP) level 66/67 and comply with EMC directives 89/336/EEC.

Our Multi Gas Clip Family includes the Multi Gas Clip with infrared sensor (MGC-IR) and the Multi Gas Clip with Pellistor sensor (MGC-P). The MGC Family line is certified in Class 1 Div 1 Groups A, B, C and D C22.2 No. 157 & C22.2 No. 152 (UL 913) II 1 G, Ex ia IIC T4 Ga. The MGC Family line is also certified for Ingress Protection (IP) level 66/67.

The detectors are designed to withstand harsh conditions and challenging environments. Our products are designed, tested and certified to the highest performance standards in the industry. At the same time, our products provide a robust amount of documentation for gas exposures, instrument use and testing data. We have a strong warranty that includes expedited replacement should you encounter any problems during the operating life of the monitor.



## Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection Portable Gas Detection



## PORTABLE GAS DETECTORS YOU CAN COUNT ON

Gas Clip Technologies develops innovative portable gas detectors that offer greater reliability, improved productivity, and better cost-efficiency. We set out to transform portable gas detection by applying the latest technology to our handheld monitors for gas. The result? Businesses count on our units every day to accurately test for combustible gases, hydrogen sulfide (H<sub>2</sub>S), carbon monoxide (CO), and oxygen (O<sub>2</sub>). Our products are designed to withstand the harshest, toughest industries, including oil and gas, utilities, waste water treatment, telecommunications, and marine, among others

### Ease of Use

When someone's life is on the line, the last thing you want to worry about is having someone not be able to operate their safety equipment correctly. While the MGC uses sophisticated technology, it offers one button operation and displays in six languages.

### Reliability

Every unit is tested before it leaves our facility to provide your workers with the most reliable portable gas detector on the market. With firmware updates available on our website, there's little need for service. The vast majority of questions are answered on our website or through our toll free support center.

### Battery Life

With a battery life of up to two months, your team never has to worry about not having charged their portable gas detector! A perfect safeguard for emergency situations, work that requires extended hours, and employees not entering a confined space without a working portable gas detector,

### Cost Efficient

There's no need to sacrifice employee safety. The MGC eliminates the need to frequently calibrate your detectors as it can go 6 months between calibrations. The MGC Dock allows you to bump test and calibrate four units in less than a minute. This saves your team time and money!



# Respiratory - Protection



## Markets Served

### Waste Water Treatment

In wastewater facilities there are many gas hazards, including methane (a flammable gas), oxygen (O<sub>2</sub>), hydrogen sulfide (H<sub>2</sub>S), and carbon monoxide (CO). These gases originate from many sources, such as sewers, pumping stations, aeration tanks, sludge digester tanks, deodorizing plant and treatment plants. Portable gas detectors should be worn by operators entering any confined spaces, including sewers, pumping stations, sludge digestors and treatment plants. Multi-gas monitors are the norm in these situations. Every gas has its own characteristics, so portable gas detectors should be located or worn wherever they will have the best potential for monitoring a gas build-up (or gas depletion in the case of oxygen).

### Utilities

Utility work by nature is filled with an inordinate amount of challenges. Utility line personnel are faced with extraordinary hazards that most people and companies don't have to deal with. They work on and around live electrical equipment, spend a majority of their day well above or below the ground, and operate in a 24/7/365 environment. Ensuring the safety of these men and women becomes a unique challenge when you couple this trifecta with the fact that only five percent of the average line worker's day is spent under the observation of his/her boss. The other 95% of their day is spent on their own. The decisions they make and the behavior they choose, are not subject to the direction and correction of on-site supervision. A unique environment requires a unique solution - the MGC!

### Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection Portable Gas Detection

## Gas Distribution

The exploration, production and distribution of natural gas (methane) is inherently plagued with hazards. At the well head where the explosive methane gas is produced, toxic hydrogen sulfide (H<sub>2</sub>S) gas is commonly naturally occurring and enhanced recovery methods can increase the levels of hydrogen sulfide gas exponentially in a very short period of time. Once the natural gas is produced and processed at a natural gas handling facility, transportation of this explosive gas requires adherence to proven safety procedures in order to protect workers. Multi-gas detection is a required piece of safety gear in the industry's applications from the wellhead to the pipeline. A multi-gas detector is an important piece of safety equipment for those workers where there is a need for confined space entry.



## Marine

The Marine environment is very harsh and demanding with extreme temperatures, humidity, grease, grime and isolation. Marine Industry regulations require that vessels have at least one portable gas monitor onboard for oxygen and explosives. In higher classifications, they also need an instrument for toxic gases. It's critical to find a system that's easy to use, reliable and affordable - introducing the new MGC!

Gas Clip Technologies has used technology to assist our customers with portable gas detectors that don't require oxygen to operate, have a two month battery life, and don't require a service agreement. A perfect solution for the unique challenges of the marine workplace.

## Fire / Hazmat

Fire and Hazmat are very dangerous working environments with carbon monoxide being a significant threat. During the past 50 years, synthetic polymers have been incorporated in buildings in very large quantities. Many contain nitrogen or halogens, resulting in the release of hydrogen cyanide and inorganic acids in fire smoke that creates a toxic threat. Having the ability to quickly and accurately test for gases is critical for you to get your job done quickly and safely.





# Respiratory - Protection



**We've put to bed  
one of the problems with portable gas  
detectors.**



**The hibernate mode of our Single Gas Clip Plus  
allows it to rest when not in use—  
so you can extend the life of your units.**

Sometimes it pays to get caught napping, like when it extends the life of your portable gas detectors. That's exactly the benefit of the "hibernate" mode of the Single Gas Clip Plus (SGC Plus) only from Gas Clip Technologies.

SGC Plus in a rested state when it's not in use. When a seasonal job or turnaround is finished, simply sync the unit with our GCT IR Link or SGC Dock to put the monitors to bed.

## **Rest easy with our unmatched reliability.**

Our SGC Plus is no softy. It can withstand the harshest working conditions - both the hottest and coldest environments. We perform quality control tests on every single monitor to ensure it delivers

unmatched sensor reliability for testing H<sub>2</sub>S and CO.

## **Ideal for seasonal/turnaround contractors or rental fleets.**

Our hibernate mode allows you to place the



## **Only pay for the months the detectors are in use.**

When you're ready to use the SGC Plus again, simply press the power button to reactivate the unit. This way, you only pay for the months when the SGC Plus is in use. *No other portable gas detector can say that.*



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# Respiratory - Protection

## Gas Detection - Single Gas

### GAS CLIP SINGLE GAS DETECTORS SGC & SGC-P

Gas Clip Technologies Single Gas Clip and SGC Plus, is the only maintenance free handheld gas detector available with "Hibernate" mode. "Hibernate" mode allows users to place this disposable single gas detector in a rested state when not in use. The SGC Plus is perfect for seasonal/turnaround contractors or rental fleets. When your job or turnaround is finished, simply synchronize the instrument with our IR Link or SGC Dock and put the detector in a rested state. When you are ready to use the detector again, simply press the power button to reactivate the detector. With the SGC Plus, you only pay for the time that the handheld gas detector is in use. Each SGC Plus will last for 24 months of use and comes with a warranty of 24 months of use or 3 years from activation (whichever comes first). However, this mode can only be enabled via IR communication with either the IR Link or SGC Dock accessories (not by a button push), so only authorized personnel can place the units in "hibernate" mode. The SGC Plus also provides the most advanced maintenance free disposable single gas detector on the market. Unlike other disposable single gas detectors, the SGC Plus combines a rugged design and reliability with advanced sensor resolution (0.1 ppm for H<sub>2</sub>S models). Advanced micro processing capabilities allow for quick unit configuration adjustments to comply with current and future industrial health and safety gas exposure regulations for workers in industrial environments. Each SGC Plus comes with the following features:

- Unmatched sensor reliability for H<sub>2</sub>S and CO
- "Hibernate" mode (SGC Plus Model Only)
- Adjustable alarm set points
- Real-time gas reading capability
- 50% larger battery capacity
- 0.1 ppm resolution for H<sub>2</sub>S sensor and display
- Two-way IR communication for event downloads, bump tests, unit configuration and firmware updates
- Programmable unique 6 digit detector identification
- "Bump Check" confirmation/identification
- Optional calibration
- Calibration confirmation/identification
- Docking capability with Gas Clip Technologies SGC Dock

#### Features

**Bump Check Reminder:** All Single Gas Clip models come standard with the bump check reminder feature. When activated, if the detector has not been bump tested within the designated interval, the instrument will emit both a flash and show "bump" across the screen alerting the user, peer, or supervisor that the gas bump test is due. In addition to the flash, the TEST Icon will continually display in the upper left hand corner. This alert increases user accountability and allows for easier policy enforcement. Note the flash feature can be disabled within the IR Link software, if desired.

#### Programmable unique 6 digit ID:

Considering the rugged environment these instruments are often exposed to and used in, identification via serial number, sticker, or marker can be unreliable. With the unique ID feature, units can be identified with a simple push of a button. Available using both limited alpha and full numeric characters, each unit can be assigned a unique ID utilizing, for example an employee ID number, last 4 digits of SSN, or a job code. Unique ID's will also appear on event log reports and bump test logs. ID's will be displayed on the detector screen in segments of 3 digits at a time (first 3 digits, then last 3 digits).

#### Adjustable alarm set points:

To adapt with changing health and safety gas exposure regulations for workers in industrial environments, the Single Gas Clip alarm set points can be easily adjusted via the IR Link software or through the SGC Dock. Detectors can also be special ordered with custom alarm set points.

# Respiratory - Protection



## GAS CLIP SGC Plus

**RP GC SGC-P-H2S** Maximum 3 year maintenance free H2S Single Gas Detector with Hibernation mode

**RP GC SGC-P -CO** Maximum 3 year maintenance free CO Single Gas Detector with Hibernation mode

Gas Clip Technologies Single Gas Clip Plus or SGC Plus, is the only maintenance free hand held gas detector available with "Hibernate" mode. "Hibernate" mode allows users to place this disposable single gas detector in a rested state when not in use. The SGC Plus is perfect for seasonal/turnaround contractors or rental fleets. When your job or turnaround is finished, simply synchronize the instrument with our IR Link or SGC Dock and put the detector in a rested state. When you are ready to use the detector again, simply press the power button to reactivate the detector. With the SGC Plus, you only pay for the time that the hand held gas detector is in use. Each SGC Plus will last for 24 months of use and comes with a warranty of 24 months of use or 3 years from activation (whichever comes first). However, this mode can only be enabled via IR communication with either the IR Link or SGC Dock accessories (not by a button push), so only authorized personnel can place the units in "hibernate" mode. The SGC Plus also provides the most advanced maintenance free disposable single gas detector on the market. Unlike other disposable single gas detectors, the SGC Plus combines a rugged design and reliability with advanced sensor resolution (0.1 ppm for H2S models). Advanced micro processing capabilities allow for quick unit configuration adjustments to comply with current and future industrial health and safety gas exposure regulations for workers in industrial environments. Each SGC Plus comes with the following features:

- Unmatched sensor reliability for H2S and CO
- "Hibernate" mode
- Adjustable alarm set points and real-time gas reading capabilities
- 50% larger battery capacity
- <0.1 ppm resolution for H2S sensor and display
- Two-way IR communication for event downloads, bump tests & updates
- Programmable unit identification
- Calibration optional
- "Bump check" confirmation/identification



## GAS CLIP SGC

**RP GC SGC-H2S** - 2 year maintenance free H2S Single Gas Detector

**RP GC SGC-CO** 2 year maintenance free CO Single Gas Detector

**RP GC SGC-O** - 2 year maintenance free O2 Single Gas Detector

Whether it's the hottest environment or the coldest, our Single Gas Clip is designed and tested to provide worker safety in the harshest working conditions. At Gas Clip Technologies, we enhance customer safety by using the latest technology. We test 100% of our portable gas detectors, not just a random sample of units. That's why we can offer a low cost of ownership on our gas detectors. There are no hidden service charges, no maintenance fees- just reliable units that will help your facility workers and contractors do their jobs safely, productively and cost effectively. Unmatched sensor reliability for H2S, CO, & O2

- Adjustable alarm set points and real-time gas reading capabilities
- 50% larger battery capacity
- <0.1 ppm resolution for H2S sensor and display
- Two-way IR communication for event downloads, bump tests & updates
- Programmable unit identification
- Calibration optional
- "Bump check" confirmation/identification

For unmatched safety, reliability and productivity, choose the world's most advanced single gas detector, The SGC from GasClip

**Call 08 9330 6355**



**Industrial Protective Products (WA)**  
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# Respiratory - Protection Gas Detection - Single Gas

**Why test portable gas detectors  
one  
by one,  
by one,  
by one,  
when you can test 4 at once?**



**Reduce testing time and gas usage  
with our portable or wall mountable SGC Dock.**

You can keep testing your portable gas detectors one at a time or you can test them in no time when you use the ultra-reliable gas detectors from Gas Clip Technologies and our SGC Dock portable or wall mountable docking station.

**Test 4 units at a time,  
up to 12 per minute.**

Our SGC Dock lets you bump test and calibrate 4 monitors at once for H<sub>2</sub>S, CO and O<sub>2</sub>. You can test up to 12 monitors in a minute, which saves time and reduces testing gas.

**Accurately test and record  
all data for each monitor**

You name it and SGC Dock accurately tests, records and stores the information. It provides individual

monitor event logs, firmware, unit configurations and, of course, bump/calibration logs. The robust 4-GB USB gives you the memory you need and a lithium ion battery can perform hundreds of tests before it needs to be recharged.

**Save Time and Money**

SGC Dock is compatible with our portable gas detectors: the Single Gas Clip and Single Gas Clip Plus. These units are proven to help facility workers and contractors do their jobs safely, productively and cost effectively.



# Respiratory - Protection



## GAS CLIP SINGLE GAS DOCKING STATIONS

**RP GC SGC-DOCK** - GasClip Single Gas Portable Docking Station

### SGC DOCK

Gas Clip Technologies SGC Dock is an all in one docking station designed for maximum testing efficiency and portability. Housed in a rugged Pelican® case with robust USB memory, this station will be able to accurately test and record all monitor data while reducing the testing time and gas usage. Traditional docking stations are only designed to test one instrument at a time, resulting in time consuming testing periods as well as unnecessary usage of testing gas. Gas Clip Technologies has significantly improved both testing time and test gas usage with the SGC Dock; users can now test 4 instruments simultaneously saving both time and money. Each SGC Dock comes with the following standard

### features:

Test 4 units at one time, up to 12 instruments in a minute  
Easy 1 button operation  
Robust rechargeable internal battery, hundreds of tests before recharging  
Internal gas cylinder regulator and pressure gauge  
2 GB USB memory for bump test and event log storage  
Optional unit configuration and firmware updates via GCT Manager Software  
Rugged Pelican® case or Wall Mount Dock  
No computer required to operate

### Features

#### Unit Configuration/Firmware Updates:

In order to keep your fleet of gas detectors compliant with specific settings, we allow for the SGC Dock to program each unit during either bump testing or calibration. The programmable fields are as follows: User ID, Calibration Interval, Bump Interval, Self-Test Interval, Low Alarm, High Alarm, Show Sensor Readings, Hide Bump Due LED and Hide Clock. For example, if your company or facility requires each detector on site to have specific alarm set points and a bump test interval, instead of programming each unit individually, the instruments can be group programmed while simultaneously bump testing (4 units at a time per dock) using our GCT Manager software. As firmware updates become available, we can program each SGC Dock to update units during bump testing and calibration. Facility safety standard compliance for single gas detectors is now easily achievable.

#### Event Data and Record Storage

: In addition to performing tests, unit configurations and firmware updates, the SGC Dock also stores important information about both the docking station and units tested. All tests performed on the docking station can be accessed from either the USB directly or using the GCT Manager software. Each bump test and calibration event is recorded and logged by date, time and serial number. Along with the test records, the individual event logs from each unit are saved. At the time of the test, the detector transmits its' event log to the memory. By default, the station will save the previous 10 event logs.



## GAS CLIP SINGLE GAS DOCKING STATIONS

**RP GC SGC-WM-DOCK** - GasClip Single Gas Wallmount or fixed point Docking Station

**Wall Mount SGC Dock:** Gas Clip Technologies offers a wall mount solution for our SGC Dock. Instead of being housed in a Pelican® case, we provide a slim cabinet type case that can be easily mounted on a wall. This option can be selected at the time of order or can be ordered separately to convert your existing SGC Dock to a Wall Mount SGC Dock. This option is a perfect fit for facilities or office environments.

## Order Information



Call 08 9330 6355



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# Respiratory - Protection Gas Detection - Multi Gas

## Multi Gas Clip

**The first portable multi gas detector  
with a battery life of months instead of hours.**



### Gas Clip 4 Gas Detector MGC

**Battery life for months instead of hours!**

**RP GC MGC-IR** - Gas Clip Multi Gas Detector Infra Red Sensors

**RP GC MGC-P** - Gas Clip Multi Gas Detector Pellistor Sensor

Day in, day out, your workers have to charge their portable multi gas detectors so they can keep testing for the presence of combustible gases, H<sub>2</sub>S, CO, and O<sub>2</sub>. Unfortunately, sometimes they may forget to do so. Gas Clip Technologies can help prevent this safety risk with our new Multi Gas Clip (MGC). It has the longest battery life of any portable gas detector by a long shot.

The new MGC can go a full 2 months without a charge, even without ever having to be turned off. Shut down the unit nightly and the battery can last up to 4 months. What's the secret of the MGC's extended battery life? It uses low-power photo-metric technology for the detection of the combustible gases (LEL). Instead of draining the battery with archaic pellistor technology, the MGC uses an IR source. This conserves power, so the battery lasts and lasts and lasts.

The MGC also eliminates the need to frequently calibrate portable gas detectors. It can go 6 months without being calibrated. That saves time and increases efficiency. Each Multi Gas Clip, IR version, comes with the following features:

- 2 month battery life (continuous run time)
- 6 month calibration cycle
- Will work in inert environments, no need for oxygen
- Simple to use
- Bump/Calibration reminders
- Docking station compatible
- Programmable user ID

# Respiratory - Protection



Here's something to get PUMPED up about in portable gas detection.

Introducing the MGC Pump with a 5 day continuous run on a single charge.

- 6 month calibration cycle
- Draw from up to 25 metres
- Low maintenance
- Stainless steel inlet



## Gas Clip 4 Gas Detector MGC PUMP

**RP GC MGC\_IR\_PUMP** - Gas Clip Multi Gas Detector Infra Red Sensors with internal Pump

**RP GC MGC-P-PUMP** - Gas Clip Multi Gas Detector Pellistor Sensor with internal Pump

### A New Option in Portable Gas Detection

Twice a day, every day... that's how often you have to charge most portable gas detectors, until now. Introducing the Multi Gas Clip Pump (MGC Pump) from Gas Clip Technologies, the only portable multi gas detector with an internal sampling pump that can go an entire work week without a charge.

### A Long-Lasting Family Tradition

The MGC Pump follows in the long line of portable gas detectors by Gas Clip Technologies that last and last and last. Being able to go a long time between charges is a family tradition.

### The Secret to a Long Life

Like our MGC, the MGC Pump uses low-power photometric technology to detect combustible gases (LEL) rather than age- old pellistor technology. The MGC Pump uses an IR source which conserves power and helps the battery last and last.

### Ergonomic Design Makes for a Good Fit

The MGC Pump is also designed for comfort. The reduced, sloping shape of the holding area at the bottom of the instrument makes the MGC Pump a comfortable fit in the hands of your workers. It is fully submersible and simple to operate. The MGC Pump offers a one button design and the largest LCD screen in the industry so it's easy to read.

### Calibrate the MGC Pump Once Every 6 Months

Other multi gas detectors require calibration anywhere from 1 to 3 months. The MGC Pump can go 6 months without being calibrated. This is an added benefit of IR sensing technology because IR is immune to pellistor sensor poisons such as silicone or H2S.

## Order Information



Call 08 9330 6355



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# Respiratory - Protection Gas Detection - Multi Gas

**Why test portable gas detectors  
one by one, by one, by one,  
when you can test 4 at once?**



**Reduce testing time and gas usage with  
our portable or wall mountable MGC Dock.**

You can keep testing your multi gas detectors one at a time, or you can test them all in no time, when you use ultra-reliable Multi Gas Clip (MGC) portable gas detectors, from Gas Clip Technologies, together with the MGC Dock or MGC Wall Mount Dock.

**Accurately test and record  
all data for each monitor.**

You name it, and the MGC Docks can do it. They accurately test, record and store information that is critical to maintain safety in your company. They provide individual monitor event logs, firmware, unit configurations and, of course, bump/calibration logs. The robust 4+ GB USB gives you all the memory you need and the lithium ion battery ensures thousands of tests before needing to be recharged.



**Test 4 detectors at a time,  
up to 12 per minute!**

Our MGC Docks let you bump test and calibrate 4 detectors at once for LEL, H<sub>2</sub>S, CO and O<sub>2</sub>. With one dock, you can bump test up to 12 detectors in a minute, which saves valuable time and reduces the use of testing gas. The MGC Dock, or MGC Wall Mount Dock, is compatible with all Multi Gas Clip detectors (Infrared or Pellistor).

**Call today, or visit [www.gascliptech.com](http://www.gascliptech.com).**

These reliable portable multi gas detectors and docks are proven to help facility workers and contractors do their jobs safely, productively and cost effectively. The MGC Dock, MGC Wall Mount Dock and the unmatched dependability of the Multi Gas Clip offer features and benefits the competition dream about.



# Respiratory - Protection



## GAS CLIP MGC DOCK

**RP GC MGC-DOCK** - MGC Portable Docking station for MGC units

**RP GC MGC-DOCK-HP** - High Pressure MGC Portable Docking station for MGC units

**RP GC MGC-DOCK-CONV-HP** - Conversion to High Pressure Dock

The Gas Clip Technologies MGC Dock is an all-in-one stand-alone docking station designed for maximum testing efficiency and portability. It tests up to four units simultaneously, reducing the testing time and gas usage. With only two buttons, it's simple to train workers how to use it for regular bump tests, occasional calibrations, or to deactivate detectors. It can be optionally housed in a rugged Pelican® case or a wall-mountable metal enclosure. Logs are stored on a USB flash drive which can easily be transferred to a computer for analysis.

You can keep testing your multi gas detectors one at a time, or you can test 4 of them together in no time, when you use ultra-reliable Multi Gas Clip (MGC) portable gas detectors, from Gas Clip Technologies, together with the MGC Dock or MGC Wall Mount Dock. You name it, and the MGC Docks can do it. They accurately test, record and store information that is critical to maintain safety in your company. They provide individual monitor event logs, firmware, unit configurations and, of course, bump/calibration logs. The robust 4+ GB USB gives you all the memory you need and the lithium ion battery ensures thousands of tests before needing to be recharged.

### Each Dock comes with the following standard features:

- Test 4 units at one time, up to 12 instruments in a minute
- Easy 1 button operation
- Robust rechargeable internal battery, up to 1500 tests before recharging
- Internal gas cylinder regulator and pressure gauge
- USB flash memory for bump test and event log storage
- Optional unit configuration and firmware updates via GCT Manager Software
- Rugged Pelican® case
- No computer required to operate



## GAS CLIP MGC DOCK WALLMOUNT

**RP GC MGC-WM-DOCK** - MGC DOCK Wall Mountable Docking station for MGC Pump units

**RP GC MGC-WM-DOCK-HP** - High Pressure MGC DOCK Wall Mountable Docking station for MGC Pump units

**RP GC MGC-DOCK-CONV-HP** - Conversion to High Pressure

**Wall Mount MGC Dock:** Gas Clip Technologies offers a wall mount solution for our MGC Dock. Instead of being housed in a portable case, we provide a slim cabinet type case that can be easily mounted on a wall. This version is a perfect fit for facilities or office environments and is available in a high pressure version.



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# Respiratory - Protection Gas Detection - Multi Gas

**Confined Space Work**  
just got easier.

**Calibrate & Bump Test**

- 12 detectors in 1 minute
- anywhere you want !



MGC PUMP DOCK



**Reduce testing time and gas usage with our  
portable or wall mountable MGC Pump Dock.**

You can keep testing your multi gas detectors one at a time, or you can test them all in no time, when you use ultra-reliable MGC Pump portable gas detectors, from Gas Clip Technologies, together with the MGC Pump Dock or MGC Pump Wall Mount Dock.

**Accurately test and record  
all data for each monitor.**

You name it, and the MGC Pump Docks can do it. They accurately test, record and store information that is critical to maintain safety in your company. They provide individual monitor event logs, firmware, unit configurations and, of course, bump/calibration logs. The robust 4+ GB USB gives you all the memory you need and the lithium ion battery ensures thousands of tests before needing to be recharged.



**Test 4 detectors at a time,  
up to 12 per minute!**

Our MGC Pump Docks let you bump test and calibrate 4 detectors at once for LEL, H<sub>2</sub>S, CO and O<sub>2</sub>. With one dock, you can bump test up to 12 detectors in a minute, which saves valuable time and reduces the use of testing gas. The MGC Pump Dock, or MGC Pump Wall Mount Dock, is compatible with all MGC Pump detectors (Infrared or Pellistor).

These reliable portable multi gas detectors and docks are proven to help facility workers and contractors do their jobs safely, productively and cost effectively. the MGC Pump Dock, MGC Pump Wall Mount Dock and the unmatched dependability of the MGC Pump, are a cut above the competition.



# Respiratory - Protection



## GAS CLIP MGC PUMP DOCK

**RP GC MGC-DOCK-PUMP** - MGC PUMP Portable Docking station for MGC Pump units

**RP GC MGC-DOCK-PUMP-HP** - High Pressure MGC PUMP Portable Docking station for MGC Pump units

**RP GC MGC-DOCK-PUMP-CONV-HP** - Conversion to High Pressure Dock

The Gas Clip Technologies MGC Pump Dock is an all-in-one stand-alone docking station designed for maximum testing efficiency and portability. It tests up to four units simultaneously, reducing the testing time and gas usage. With only two buttons, it's simple to train workers how to use it for regular bump tests, occasional calibrations, or to deactivate detectors. It can be optionally housed in a rugged case or a wall-mountable metal enclosure. Logs are stored on a USB flash drive which can easily be transferred to a computer for analysis.

### Each Dock comes with the following standard features:

- Test 4 units at one time, up to 12 instruments in a minute
- Easy 1 button operation
- Robust rechargeable internal battery, up to 1500 tests before recharging
- Internal gas cylinder regulator and pressure gauge
- USB flash memory for bump test and event log storage
- Optional unit configuration and firmware updates via GCT
  - Manager Software
- Rugged case or Wall Mount Dock case
- No computer required to operate

### Features

**Unit Configuration/Firmware Updates:** In order to keep your fleet of gas detectors compliant with specific settings, we allow for the MGC Pump Dock to program each unit during either bump testing or calibration. The programmable fields are as follows: User ID, Calibration Interval, Bump Interval, Self-Test Interval, Low Alarm, High Alarm, Show Sensor Readings, Hide Bump Due LED and Hide Clock.

For example, if your company or facility requires each detector on site to have specific alarm set points and a bump test interval, instead of programming each unit individually, the instruments can be group programmed while simultaneously bump testing (4 units at a time per MGC Pump Dock) using our GCT Manager software. As firmware updates become available, we can program each MGC Pump Dock to update units during bump testing and calibration.

Facility safety standard compliance for single gas detectors is now easily achievable..



## GAS CLIP MGC PUMP DOCK WALL MOUNT

**RP GC MGC-WM-DOCK-PUMP** - MGC PUMP DOCK Wall Mountable Docking station for MGC Pump units

**RP GC MGC-WM-DOCK-PUMP-HP** - High Pressure MGC PUMP Wall Mountable Docking station for MGC Pump units

**RP GC MGC-DOCK-PUMP-CONV-HP** - Conversion to High Pressure

**Wall Mount MGC PUMP Dock:** Gas Clip Technologies offers a wall mount solution for our MGC Pump Dock. Instead of being housed in a portable case, we provide a slim cabinet type case that can be easily mounted on a wall. This version is a perfect fit for facilities or office environments and is available in a high pressure version.



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# Respiratory - Protection

## Gas Detection - Multi Gas



### GAS CLIP MGC CONFINED SPACE ENTRY KIT C/W CASE

**RP GC MGC-CSK-GAS** - Gas Clip Multi Gas Detector confined space entry kit

Everything you need to go along with your Multi Gas Clip (not include GCT IR d) for remote sampling. Includes: Hard-sided carrying case with foam insert, 3 ft. calibration hose with quick connect, hand aspirator pump, 10 ft. sampling hose, calibration cap, air stone filter, 1 ft. sampling probe, GCT IR Link, 0.5 lpm regulator. Kit also sold without gas,



### GAS CLIP GCT IR LINK

**RP GC GCT IR LINK** - Gas Clip Multi Gas Detector confined space entry kit

Connected to your computer by USB, the GCT IR Link communicates directly with the Multi Gas Clip (MGC) and MGC Dock to program special alarm set points and user options, as well as, to download event logs & data logs.



### GAS CLIP VEHICLE CHARGER

**RP GC MGC-V-CHARGER1** - Gas Clip Multi Gas Detector vehicle charger

For your workers on the go, we have the option of charging using the vehicle charger (12V only).

### GAS CLIP MGC SPARE PARTS AND ACCESSORIES

|                               |  |
|-------------------------------|--|
| <b>RP MGC-AL-CLIP</b>         | MGC Alligator clip complete with Screw |
| <b>RP GC MGC-FILTER-10</b>    | Filters Pack of 10 individual filters  |
| <b>RP GC MGC-FILTER-50</b>    | Filters Pack of 50 individual filters  |
| <b>RP GC MGC-HAK</b>          | Hand Aspirator Kit                     |
| <b>RP GC MGC-PROBE-1</b>      | 1ft remote Sampling Probe              |
| <b>RP GC MGC-PROBE-RF</b>     | Probe replacement gasket and filter    |
| <b>RP GC MGC-WT</b>           | In-Line Hydrophobic Syringe Filter     |
| <b>RP GC MGC-PF</b>           | Air Stone PARTICULATE Filter           |
| <b>RP GC MGC-CHRG-STATION</b> | Multi Gas Charging Station             |
| <b>RP GC MGC-CHRG-MULTI</b>   | Multi gas Multi-Charger                |

# Respiratory - Protection



## MSA Altair 5X Multigas Detector

MSA is proud to present the pinnacle of their portable gas detection range: The Altair® 5X multi-gas detector with MSA XCell™ Sensor Technology. The Altair® 5X can measure up to six gases simultaneously and can be fitted with a wide range of both toxic and infra-red sensors, providing the flexibility required to meet most applications.

At the heart of the Altair® 5X are MSA's XCell™ sensors, now with an extended range covering SO<sub>2</sub>, Cl<sub>2</sub>, and NH<sub>3</sub>. Superior stability, accuracy, repeatability, fast response and longevity characterize the new MSA XCell™ sensors. They are remarkably long-lasting and the standard sensors are designed for an average life of more than four years (more than three years for SO<sub>2</sub>, Cl<sub>2</sub>, and NH<sub>3</sub>). These new sensors allow for faster response/clear times, bump tests in less than 10 seconds, and span calibration time of 60 seconds for common configurations, thanks to micro-electronics inside the sensor. XCell™ Sensors provide greater signal stability and repeatability under changing or extreme environmental conditions and are plug-and-play-capable. An end-of-sensor-life indicator gives advanced warning to user, eliminating service outages.

A rugged housing provides unsurpassed durability and with large, glove-friendly buttons and an optional high-contrast colour display, the Altair® 5X is easy to operate in any work environment, even in low-light conditions. This is further with the option of a glow in the dark housing for all IR sensor equipped instruments.

Unique features like MotionAlert and InstantAlert are standard on the ALTAIR 5X providing added user confidence when faced with applications like confined space entry. As you would expect, the ALTAIR 5X is fully compatible with MSA's GALAXY Automated Test System and MSA Link™ Software.

Contact our office for various sensor configurations and accessories

## MSA ALTAIR®

**RP MSA 10092522** - Carbon Monoxide (CO), 25 ppm and 100 ppm alarm levels

**RP MSA 10092521** - Hydrogen Sulfide (H<sub>2</sub>S), 10 ppm and 15 ppm alarm levels

**RP MSA 10092523** - Oxygen (O<sub>2</sub>), 19.5% Vol and 23% Vol alarm levels

The Altair® Single-Gas Detector features sensor options for carbon monoxide, hydrogen sulfide and oxygen and will operate for over two years maintenance free. This long lifespan, coupled with the unit's high performance, results in one of the most cost-effective single-gas detectors on the market. Advanced design offers superior dust and water protection and high resistance to RFI. Rubberized housing and one-button operation provide the durability and ease of use users expect from MSA instruments.

The triple-alarm system featuring two bright flashing LEDs, a piercing audible alarm, and a vibrating alarm ensures that no alarm condition goes unnoticed.

- 95 dB audible alarm (distinct sounds for High and Low alarms).
- Dual LEDs positioned to be seen from all angles.
- Standard vibrating alarm and standard event logging.
- Hard polycarbonate case, encapsulated in a thick rubberized shell.
- Extremely resistant to drops and impacts.
- Rated to IP67 protection levels for dust/water ingress.

Please note there are more models depending on the sensor chosen.

## MSA Altair 4X Multigas Detector

Altair® 4X offers MSA's unique eXtreme sensors offering great performance, long service life and reliability. The Altair® 4X Multigas Detector for LEL, CO, H<sub>2</sub>S, and O<sub>2</sub> is a super-durable, competitively-priced, personal multigas detector. The Altair® 4X Multigas Detector is the only portable gas detector with MotionAlert™ feature if a user should become disabled due to unforeseen hazards. When enabled, the MotionAlert™ feature will activate if the instrument does not detect motion for 30 seconds, and is ideal for confined space entry applications. This unique gas detector function is easily turned off by the user if desired. Altair® 4X also offers MSA's unique "Glow" case option for easy location and observation in the dark.

- MotionAlert™ feature plus audible, visual, and vibrating alarms.
- Most rugged instrument available.
- Altair® 4X Oxygen expected life 5+ years under normal operating conditions.
- Large buttons for easy operation.
- 20-hour battery run time when fully charged.
- Tested to IP67.
- Phosphorescent "Glow" case option.
- Galaxy® System compatible.
- Global approvals.
- Economically priced.
- MSA Link™ Software-ready.
- QuickCheck™ Test Station available for fast, easy bump testing.

Contact our office for various sensor configurations and accessories



## Order Information



**Call 08 9330 6355**



**Industrial Protective Products (WA)**  
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# Respiratory - Protection

## Gas Detection - Multi Gas



### MSA SIRIUS® PID Multigas Detector

RP MSA 765031 - Sirius PID Multigas Detector (Standard) LEL O2 CO H2S PID LI/ALK (Internal Pump)

**RP MSA 765030** - Sirius PID Multigas Detector (Data Logging) LEL O2 CO H2S PID LI/ALK (Internal Pump)

**RP MSA 765029** - Sirius PID Only (Standard) (Internal Pump)

**RP MSA 765028** - Sirius PID Only (Data Logging) (Internal Pump)

The Sirius® Multigas Detector unit with PID Sensor gives users all they are looking for in a reliable, easy-to-use, durable package to detect volatile organic compounds, while measuring for combustible, toxic and oxygen deficient atmospheres.

Tremendous Flexibility - One PID and four gases in one instrument allows for detection of hundreds of chemicals.

Reliable PID Performance - MSA's own proprietary PID sensor design (patent-pending) provides users with excellent PID performance including humidity resistance, stable zero readings, and fast response and clear times to enable users to get their jobs done dependably.

User-Friendly Software - Easy-to-use software allows users to focus on their tasks at hand!

Superior, Proprietary PID Sensor Design - Reduces maintenance time and cost.

Flexible Configurations - This design combines two instruments into one the Sirius® unit can be used with or without the PID sensor mode.

Loud, Attention-Grabbing Alarm - The Sirius® Multigas Detector provides outstanding alarms to clearly warn users of a hazardous situation. A piercing alarm horn, resonating through a specially designed horn chamber, is designed into the Sirius® unit to give users an audible warning in the event of an alarm condition.

Multidirectional bright LED lights give users visible warning of alarm conditions that can be easily seen from any direction the Sirius® unit is facing. A "Safe LED" light gives users confidence the unit is actively detecting gas by flashing every 15 seconds.

Interchangeable Lithium-ion and Alkaline Battery Packs - Allows for quick battery turn to keep users continually charged and ready to take action.

Easy Calibration and Compatibility with Galaxy Automated Test System - One-button calibration makes calibration simple for any user. Intelligent software frees users from complicated calibration adjustments.



### MSA Galaxy Calibration System

**RP MSA 765026** - Sirius Galaxy®

**RP MSA 765626** - Altair® Galaxy®

**RP MSA 766348** - Altair® 4 Galaxy®

**RP MSA 766723** - Altair® 5 Diffusion Galaxy®

**RP MSA 766724** - Altair® 5 Pumped Galaxy®

Extremely Easy to Use

- Standard web browser accessibility for data retrieval and reporting.
- Industry-standard memory card available for simple data retention.
- System does not require a computer or network interface.
- Works without the touch of a single button.

Minimal training needed.

Versatile and Expandable

- Up to 10 systems can be interconnected.
- Instrument charging option available.
- Optional battery pack available for remote use.

Durable, Innovative Design

- Wireless- or wired-network interface available.
- Invention system door also functions as dust cover.
- Guaranteed to work in the harshest environments.
- In-line gas cylinder holster available; keeps the work area clean and orderly.

Value-Driven Performance

- All-inclusive, 2-year warranty.
- High quality, cost-effective solution.
- Very low total cost of ownership.

# Respiratory - Protection



## Scott Safety Protégé Multi Gas Monitor

**RP SCO PRO-111111** - O2/LEL/CO/H2S Confined Space Kit includes: gas monitor, charger, pump, 34L calibration gas, 5L regulator, tubing, foam lined carry case.

**RP SCO PRO-112212** - O2/LEL/CO/H2S Gas Monitor Kit includes: gas monitor and charger + torx tool, manual, CD, USB cable and calibration adapter.

**RP SCO PRO-212212** - O2/LEL/CO Gas Monitor Kit includes: gas monitor and charger + torx tool, manual, CD, USB cable and calibration adapter.

**RP SCO PRO-312212** - O2/LEL/H2S Gas Monitor Kit includes: gas monitor and charger + torx tool, manual, CD, USB cable and calibration adapter.

**RP SCO PRO-412212** - O2/LEL Gas Monitor Kit includes: gas monitor and charger + torx tool, manual, CD, USB cable and calibration adapter.

**RP SCO PRO-512212** - LEL Gas Monitor Kit includes: gas monitor and charger + torx tool, manual, CD, USB cable and calibration adapter.

- One to four gas monitor including LEL, O2, CO, H2S configurations.
- Lightweight, hour-glass design fitting easily in the hand.
- 18 hour runtime with pump, 12 hour without pump.
- Large easy to read screen easily displaying readings, alarms and alert.
- Audible, visual and vibrating alarms.
- Parasitic sample draw pump for remote sampling.
- Datalogging with simple download facility, tracking up to 7,000 events.
- Heartbeat "on" display providing visual conformation monitor is on.
- Approved for IEC and IP67 certification.

### Accessories

**RP SCO 093-0526** - Masterdock - Automated bump test & calibration station, AC or battery powered. Uses 103L 6D - 58L 8AL or 34L 2AL Cylinder.

**RP SCO 096-3271** - Pump Kit (Pump, Probe, Tubing).

**RP SCO 096-3283-4** - Six Unit Multi-Charger.

**RP SCO 0770018** - Regulator with gauge 0.5LPM.

**RP SCO 003327** - 58L Calibration gas 50ppm CO/25ppm H2S/1.62%CH4/18%O2/N2.

**RP SCO 028-0052** - Vehicle Charger.

## Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection

## Gas Detection - Multi Gas



### Dräger X-am 5000

The smallest gas detection instrument for up to 5 gases. The Dräger X-am 5000 belongs to a new generation of gas detectors, developed especially for personal monitoring applications. This 1 to 5-gas detector reliably measures combustible gases and vapors as well as oxygen and harmful concentrations of CO, H<sub>2</sub>S, CO<sub>2</sub>, Cl<sub>2</sub>, HCN, NH<sub>3</sub>, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub> and organic vapors

A variety of special calibrations for the catalytic Ex sensor allow the Dräger X-am 5000 even more sensitivity when detecting specific combustible gases and vapors. Equipped with durable DrägerSensors® XXS sensor technology, the Dräger X-am 5000 offers maximum security and extremely low operational costs. The longevity of the catalytic sensor and five year expected lifetime of the oxygen sensor are unique in the market

Dräger X-am 5000's ergonomic mobile phone design and light weight make it comfortable for users to carry. It is water and dust-resistant according to IP 67. The integrated rubber protection and shock-proof sensors ensure additional resistance to impact and vibration.

#### TECHNICAL DATA

**Dimensions** (W x H x D) 47 x 129 x 31 mm, (1.85" x 5.08" x 1.22")

**Weight** Approximately 220 g, (7.8 oz.)

**Ambient conditions Temperature** -20 to +50 °C, -4 to +122 °F

**Pressure** 700 to 1300 mbar, 20.7 to 38.4 inch Hg

**Humidity** 10 to 95% RH

**Alarms Visual** 180°

**Audible Multi-tone** >90 dB at 30 cm, 1 ft.

#### Vibration

**Battery options** Alkaline, rechargeable NiMH cells for alkaline pack, T4 battery pack

**Operating times** > 12 hours, with pulsed mode > 40 hours

**Charging times** < 4 hours Data logger Can be read out via infrared approx. 1000 hours with 5 gases and a recording interval of 1 reading per minute.

**Pump operation** Maximum hose length 20 M, 65.6 ft.; 30 hours with 3 "AA" alkaline

#### Approvals

**ATEX** I M1 Ex ia I, II 1G Ex ia IIC T3, I M2 Ex d ia I, II 2G Ex d ia IIC T4/T3

**UL Class I & II**, Div. 1 Group A, B, C, D, E, F, G T-Code T4/T3

**CSA Class I**, Div. I Group A, B, C, D, T-Code T4/T3

**MSHA Pending**

**IECEx** Ex ia I

**Ex ia** IIC T3

**Ex d** ia I

**Ex d** ia IIC T4/T3

**CE mark** Electromagnetic compatibility (directive 89/336/EWG) RoHS Directive 2002/95/EC



### Dräger X-am® 5600

**RP DRA 83 21 050** Consisting of: basic instrument with an integrated data logger, support CD, manufacturer's and calibration certificates. A functional instrument must include up to 4 sensors and a power supply unit.

**RP DRA 68 11 960** DrägerSensor Dual IR Ex/CO21)

**RP DRA 68 12 180** DrägerSensor IR Ex1)

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am® 5600 is the smallest gas detection instrument for the measurement of up to 6 gases. Ideal for personal monitoring applications, this robust and water-tight detector provides accurate, reliable measurements of explosive, combustible and toxic gases and vapors as well as oxygen.

Small, light and easy to use - the robust and water-tight Dräger X-am 5600 is designed for single-handed operation in tough industrial environments. Water- and dustproof according to IP 67 and with an integrated rubber boot, the device provides optimal functionality even under harsh conditions.

#### SINGLE OR DUAL SENSOR - ACCURATE MEASUREMENT RESULTS

The new Dräger infrared sensors can be used for the measurement of explosive substances or CO<sub>2</sub>: The infrared sensor IR Ex allows the measurement of explosive, combustible hydrocarbons in the range of the lower explosive limit. With this sensor, measurements in the range of 0-100 Vol.-% for methane, propane and ethylene are also possible. The infrared sensor IR CO<sub>2</sub>, with a measurement resolution of 0.01 Vol.-%, provides safe and exact measurements as well as a warning against toxic concentrations of carbon dioxide in the ambient air. For those applications where the reliable measurement of explosive substances and CO<sub>2</sub> is specifically needed, the advantages of both can be achieved by a dual sensor (Dual IR CO<sub>2</sub>/Ex).

Besides hydrocarbons, hydrogen can also be an explosive gas. Because sensors based on infrared technology do not warn against hydrogen explosion dangers, the Dräger X-am 5600 combines two sensor signals (Infrared Ex and electrochemical H<sub>2</sub>) for reliable hydrogen detection. The X-am 5600 provides the advantages of poison-free technology to be used in areas where, until now, only catalytic Ex sensors have been used.

Thanks to the combination of innovative infrared technology and the latest electrochemical Dräger XXS miniature sensors, this 1-to-6 gas detector reliably detects explosive, combustible and harmful concentrations of O<sub>2</sub>, Cl<sub>2</sub>, CO, CO<sub>2</sub>, H<sub>2</sub>, H<sub>2</sub>S, HCN, NH<sub>3</sub>, NO, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub>, Amine, Odorant, COCl<sub>2</sub> and organic vapors.

# Respiratory - Protection



## DRÄGER X-AM 1700/2000

The Dräger X-am 1700/2000 are a new generation of personal gas detectors which have been specially designed for personal monitoring. These gas detectors reliably measure combustible gases and vapors, as well as O<sub>2</sub>, CO and H<sub>2</sub>S. Their ergonomic design, mobile phone dimensions and light weight make them the perfect companion in your daily work. Reliable measurement technology, long sensor life and easy operation guarantee maximum safety at an extremely low cost of ownership.

The instrument's light weight and mobile phone size – unique in today's market – guarantees users a high level of comfort and convenience. By design, the instruments are easy to use, thanks to the practical two button control panel and easy to understand display icons.

The Dräger X-am 1700 is a dedicated 4 gas detector but with a limited 2 year life. An event logger with a 65,000 event capacity is standard. This monitor is suited for personal monitoring applications where minimal maintenance resources are available.

The Dräger X-am 2000 is available in 1 to 4 gas configurations with a 1000 hour data logger. This monitor is not life limited and has user replaceable sensors, unmatched for a monitor of this type. The optional T4 NiMH battery pack will be covered by a two-year warranty.

The Dräger X-am 1700/2000 monitors are tough: water and dust resistant to IP 67, the instruments remain fully functional and ready for use even after being dropped in water. The integrated rubber protection and shockproof sensors ensure additional resistance to impact and vibration. These Dräger monitors also have certified protection against electromagnetic and RFI interference

The new bump-test station will allow for complete function tests in about 20 seconds. Automatic recognition of the monitor starts the process as soon as the monitor is placed in the cradle. The monitor can also be configured to automatically perform a complete calibration when placed in the test station. Records of the tests are stored in the instrument's data or event logger

### TECHNICAL DATA

Gases Detected Combustible Gases, O<sub>2</sub>, CO and H<sub>2</sub>S.

**Size** 1.85 x 5.08 x 1.22 inch (7 x 129 x 31 mm)

Weight 7.8 oz (220 g)

Approvals

ATEX: II 2G EEx ia d IIC T4/T3 - I M2 EEx ia d I UL: Cl. I Div. 1 Group A,B,C,D - Cl. II E,F,G T.-Code T4/T3

CSA: Cl. I Div. 1 Group A,B,C,D T.-Code T4/T3 IECEx: Ex ia d I/IIC T4/T3

CE-mark: Electromagnetic compatibility (directive 89/336/EEC) MSHA: X-am 2000 permissible gas detector

### DRÄGER X AM 2000/ 1700 ORDER INFORMATION

Dräger X-am 2000 Monitor - unlimited life with data logger - 3 Year Warranty

Dräger X-am 2000 EX, O<sub>2</sub>, CO, H<sub>2</sub>S w/ alkaline battery pack

Dräger X-am 2000 EX, O<sub>2</sub>, H<sub>2</sub>S w/ alkaline battery pack

Dräger X-am 2000 EX, O<sub>2</sub>, CO w/ alkaline battery pack

Dräger X-am 2000 EX, O<sub>2</sub>, H<sub>2</sub>S

Dräger X-am 2000 EX, O<sub>2</sub>, CO

Dräger X-am 2000 EX, CO, H<sub>2</sub>S

Dräger X-am 2000 EX, CO w/ alkaline battery pack

Dräger X-am 2000 EX, H<sub>2</sub>S w/ alkaline battery pack

Dräger X-am 2000 EX, O<sub>2</sub> w/ alkaline battery pack

Dräger X-am 2000 EX w/ alkaline battery pack

X-am 1700 Monitor - 2 year life with event logger

X-am 1700 EX, O<sub>2</sub>, CO, H<sub>2</sub>S w/ alkaline battery **RP DRA 83 18 730**

### Accessories

• NiMH battery pack T4

**RP DRA 83 18 704**

• NiMH battery pack T4 with charger module and power pack

**RP DRA 83 18 785**

• Dräger Bump Test Station for X-am 1700/2000

**RP DRA 83 19 131**

• Mixed gas cylinder, 2.5 vol.-% CH<sub>4</sub>, 100 ppm CO; 25 ppm H<sub>2</sub>S, 17 vol.-%

**RP DRA 02 45 94 655**

• Deluxe Instrument Case

**RP DRA 83 18 755**



## Order Information



**Call 08 9330 6355**



Industrial Protective Products (WA)  
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# Respiratory - Protection

## Gas Detection - Single



### Dräger Pac® 5500

**RP DRA 83 22 008** CO 1) 0 - 500 ppm

**RP DRA 83 22 009** CO 0 - 500 ppm

**RP DRA 83 22 010** H2S 1) 0 - 100 ppm

**RP DRA 83 22 011** H2S 0 - 100 ppm

**RP DRA 83 22 012** O2

1) 0 - 25 Vol.-%

Small in size and light in weight, the Dräger Pac 5500 has been developed with the needs of industrial users and applications in mind. Providing easy, single-handed operation, even when wearing gloves, it is designed to withstand the toughest environments. The impact-resistant rubber housing is impervious to corrosive chemicals and meets the requirements of IP65 to ensure operation even when projected with water.



### Dräger Pac® 7000

Small and robust, ergonomic and intuitive, economic and powerful – the Dräger Pac 7000 is tailor-made for personal monitoring at the workplace. Featuring the latest sensor technology, this innovative single gas detector is equipped with a wide range of functions and is suitable for many different applications in day-to-day industrial settings.

The Dräger Pac 7000 detector is an impressive instrument, offering a high level of reliability and rapid warning against harmful concentrations of hydrogen sulfide, oxygen, carbon monoxide, carbon dioxide, sulfur dioxide, chlorine, hydrogen cyanide, ammonia, nitrogen dioxide, nitrogen monoxide, phosphine, or organic vapors.

### Dräger Pac® 7000

| Description           | Measuring Range                | Default Alarm | Resolution Threshold | Response Time | Order Code |
|-----------------------|--------------------------------|---------------|----------------------|---------------|------------|
| Dräger Pac 7000 H2S 1 | 0 - 100 ppm                    | 10/20 ppm     | 1 ppm                | 15 sec.       | 83 18 674  |
| Dräger Pac 7000 H2S 2 | 0 - 100 ppm                    | 10/20 ppm     | 1 ppm                | 15 sec.       | 83 18 971  |
| Dräger Pac 7000 H2S   | 0 - 100 ppm                    | by request    | 1 ppm                | 15 sec.       | 83 18 677  |
| Dräger Pac 7000 O2 1  | 0 - 25 Vol.-%/19/23 Vol.-%     |               | 0.1 Vol.-%           | 10 sec.       | 83 18 675  |
| Dräger Pac 7000 O2 2  | 0 - 25 Vol.-%/19.5/23.5 Vol.-% |               | 0.1 Vol.-%           | 10 sec.       | 83 18 972  |
| Dräger Pac 7000 O2    | 0 - 25 Vol.-%                  | by request    | 0.1 Vol.-%           | 10 sec.       | 83 18 678  |
| Dräger Pac 7000 CO1   | 0 - 1999 ppm/30/60 ppm         |               | 1 ppm                | 15 sec.       | 83 18 673  |
| Dräger Pac 7000 CO 2  | 0 - 1999 ppm/35/50 ppm         |               | 1 ppm                | 15 sec.       | 83 18 970  |
| Dräger Pac 7000 CO    | 0 - 1999 ppm                   | by request    | 1 ppm                | 15 sec.       | 83 18 676  |
| Dräger Pac 7000 CO2   | 0 - 5 Vol.-%                   | by request    | 0.1 Vol.-%           | 30 sec.       | 83 18 975  |
| Dräger Pac 7000 SO2   | 0 - 100 ppm                    | by request    | 1 ppm                | 15 sec.       | 83 18 976  |
| Dräger Pac 7000 Cl2   | 0 - 20 ppm                     | by request    | 0.05 ppm             | 30 sec.       | 83 18 978  |
| Dräger Pac 7000 HCN   | 0 - 50 ppm                     | by request    | 0.1 ppm              | 15 sec.       | 83 18 973  |
| Dräger Pac 7000 NH3   | 0 - 300 ppm                    | by request    | 1 ppm                | 20 sec.       | 83 18 979  |
| Dräger Pac 7000 NO2   | 0 - 50 ppm                     | by request    | 0.1 ppm              | 15 sec.       | 83 18 977  |
| Dräger Pac 7000 NO    | 0 - 200 ppm                    | by request    | 1 ppm                | 15 sec.       | 83 21 263  |
| Dräger Pac 7000 PH3   | 0 - 20 ppm                     | by request    | 0.01 ppm             | 10 sec.       | 83 18 974  |
| Dräger Pac 7000 OV    | 0 - 200 ppm                    | by request    | 0.5 ppm              | 100 sec.      | 83 21 006  |
| Dräger Pac 7000 OV-A  | 0 - 200 ppm                    | by request    | 1 ppm                | 100 sec.      | 83 21 007  |

# Respiratory - Protection

## Gas Detection - Multi Gas



### Dräger CMS Chip System

#### RP DRA 6405300

The world's only Chip Measurement System (CMS) makes spot measurements as easy as 1, 2, 3: insert chip – start measurement – read measurement result on the LCD display. The Dräger CMS combines the advantages of the Dräger-Tubes® with those of an optoelectronic analysis system. Two components define the system: the analyser and the substance-specific chip.

Simple to use The Dräger CMS is ready for use after only a brief instruction. It makes no difference which gas or vapour you wish to measure – the instrument is used in the same way every time. The operation is guided by a menu on the display and a single button/switch. The display can be backlit and is available in German, English, French or Spanish. After an automatic system self-test, the analyser is powered up and the measurement system is immediately ready for operation. Simply insert the chip, perform the measurement and read the measurement result displayed as a concentration on the screen. At the end of the measurement, the chip is automatically ejected from the instrument, and the analyser shuts down. An audible signal sounds after each operating step. Power is supplied by four standard and easily replaceable batteries which are especially suited to the analyser's requirements (see technical data). The battery capacity allows for more than seven hours of measurement and is, of course, always displayed on the screen.

#### Accurate

The principle of mass current measurement ensures that the instrument remains unaffected by fluctuations in air pressure. Because the chips are calibrated before leaving the factory, there is no need for the user to calibrate the Dräger CMS. Any possible temperature and humidity effects are checked during factory calibration. The analyser is explosion protected and certified in accordance with Cenelec (Europe), UL (USA) and UL/CSA (Canada). In addition, the system is protected against dust and splash water in accordance with IP 54, and is resistant to electromagnetic waves.

#### Remote-System

To allow measurements at places which are difficult to access, a remote system is available. This comprises of an additional pump and extension hose, and is connected to the back of the analyser. Because the remote system is activated by its own switch, the system can remain attached to the analyser. A telescopic probe can also be attached to the Remote-System.

#### Dräger CMS Chip:

Suitable for 10 measurements of one gas. Automatically supplies the analyser with the calibration data and measurement range of the respective gas

#### ORDER INFORMATION

##### Description

Analyser set, comprising of:  
analyser with integrated DataRecorder, batteries  
Remote-System  
for measurement in hard to reach places, incl. 3 m hose  
Telescopic probe (1 m)  
Extension set (3 m)  
Extension set (10 m)  
Analyser Remote (Analyser with integrated Remote-System)  
Odorant test set

##### Order no.

64 05 300  
64 05 060  
83 16 530  
83 17 614  
83 17 613  
83 17 700  
83 18 030



### MSA Evolution 5600 Thermal Imaging Camera

#### MSA RP 766282

The EVOLUTION® 5600 features state-of-the-art image resolution. With its excellent price-performance ratio it is the optimal solution for applications requiring a speedy overview.

MSA's sophisticated Heat Seeker PLUS and Quick-Temp functions deliver unequalled performance at all temperatures. The lightweight, compact and durable design, as well as the shutter indicator and instant mode switching, make it a very user-friendly device.

Standby Mode, Heat Seeker PLUS and Quick-Temp as standard

### Order Information



Call 08 9330 6355



Industrial Protective Products (WA)  
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# Respiratory - Protection

## Non-Refillable Cylinders

Non-Refillable (disposable) cylinders are available for most gas mixtures. We produce simple binary mixtures through to complex multiple component mixes including multi-hydrocarbons.

Corrosive gases such as CL<sub>2</sub>, H<sub>2</sub>S, HCN, HCL, NH<sub>3</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub> are available along with a full range non corrosive mixtures such as CO, CO<sub>2</sub>, N<sub>2</sub>, refrigerants, hydrocarbon mixtures and many others.

Mixtures are available in ppm, LEL or % volume units of measure.



| Litres of gas | Weight(kg) | Height(mm) | Diameter(mm) | PSI  | Bar |
|---------------|------------|------------|--------------|------|-----|
| 12(12DA)      | 0.32       | 250        | 78           | 175  | 12  |
| 34(34DA)      | 0.44       | 285        | 76           | 500  | 34  |
| 34(34DS)      | 0.68       | 279        | 74           | 500  | 34  |
| 60(60DA)      | 1.19       | 365        | 90           | 500  | 34  |
| 103(103DS)    | 1.40       | 356        | 83           | 1000 | 70  |
| 112(112DA)    | 1.19       | 365        | 90           | 1000 | 70  |
| 135(135DA)    | 1.19       | 365        | 90           | 1247 | 86  |

# Respiratory - Protection

## Regulators for Non-Refillable Cylinders



FF-100



FIXED FLOW REGULATOR for diffusion instruments

FF100-SM



SEPTUM REGULATORS for laboratory applications

FF-120



FIXED FLOW REGULATOR for 34 litre steel cylinders only

FF-20



FIXED FLOW REGULATOR for 12 Litre cylinder only

PRB-100



PBR-100: PUSH BUTTON REGULATOR for bump or function testing instruments.

ODFR-1001



ODFR-1001: ON DEMAND FLOW REGULATOR for sample draw instruments and docking stations

VAF-100



VARI FLOW REGULATOR:  
Multiple flow rates for different instrument requirements.

### Best Practice Tips

- STAINLESS STEEL REGULATORS are a must for AMMONIA and are highly recommended for all other corrosive mixtures.
- TEFLON TUBING must be used for all corrosive gases (CL<sub>2</sub>, HCN, HCL, NH<sub>3</sub>, NO, NO<sub>2</sub>.... and styrene! Did you know that ammonia, chlorine and styrene adsorb onto standard tygon tubing?

| Regulator Series | Type           | Inlet            | Available Outlets | Available Body Materials | Available Flow Rates (L/min)            | Cylinder Type        |
|------------------|----------------|------------------|-------------------|--------------------------|---|----------------------|
| FF-100           | Fixed Flow     | C10 (5/8" UNF M) | 3/16" Hose Barb   | Nickel Plated Brass      | 0.25, .3, .4, .5, 1, 2 or 10 litres/min | 34, 58, 60, 103, 112 |
| FF-100-SS        | Fixed Flow     | C10 (5/8" UNF M) | 3/16" Hose Barb   | Stainless Steel          | 0.5 or 1.0 litres / min                 | 34, 58, 60, 103, 112 |
| FF-100SM         | Fixed Flow     | C10 (5/8" UNF M) | Septum            | Nickel Plated Brass      | 1.0 litres / min                        | 34, 58, 60, 103, 112 |
| FF-120           | Fixed Flow     | CGA600           | 3/16" Hose Barb   | Nickel Plated Brass      | 0.5 or 1.0 litres / min                 | 34 litre steel only  |
| FF-20            | Variable Flow  | 7/16" UNF        | 1/8" Hose Barb    | Nickel Plated Brass      | Variable 0.5 - 1 litre/min              | 12 litre only        |
| FF-20SM          | Variable Flow  | 7/16" UNF        | Septum            | Nickel Plated Brass      | Variable 0.5 - 1 litre/min              | 12 litre only        |
| PBR-100          | Push Button    | C10 (5/8" UNF M) | 3/16" Hose Barb   | Nickel Plated Brass      | 0.5, 1, 2 or 10 litres/min              | 34, 58, 60, 103, 112 |
| ODFR-1001        | On Demand Flow | C10 (5/8" UNF M) | 3/16" Hose Barb   | Nickel Plated Brass      | 0.3 - 3 litres/min                      | 34, 58, 60, 103, 112 |
| ODFR-1001-SS     | On Demand Flow | C10 (5/8" UNF M) | 3/16" Hose Barb   | Stainless Steel          | 0.3 - 3 litres/min                      | 34, 58, 60, 103, 112 |
| VAF-100          | Variflow       | C10 (5/8" UNF M) | 3/16" Hose Barb   | Nickel Plated Brass      | .5/.75/1/1.5/2/2.5/3/4/5                | 34, 58, 60, 103, 112 |



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