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Industrial Protective Products (WA)
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Respiratory Protection
CATALOGUE

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 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.

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.

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.

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, which ever type your risk assessment or the situation dictates.

The importance of fit.

Disposable respirators are most effective when there is a good seal between the edges of the respirator and your face. The instant this seal is broken, protection is compromised as contaminated air can leak in through any gaps.

These fitting instructions must be followed each time a 3M™ Aura™ Particulate Respirator 9300A+ Series is worn.

Make sure that your face is clean shaven. Respirators should not be worn with stubble, beards or other facial hair under the area of the face seal as these can prevent a good seal to the face.

Make sure that long hair is tied back and jewellery is removed so that it does not interfere with the seal to the face.

Noseclip should be moulded around nose and cheeks to give a good seal.

Make sure the panels are fully unfolded.

Respirator should be correctly positioned on your face and head.

Upper strap should be positioned on the crown of the head. Strap should not be twisted.

Lower strap should be positioned below the ears. Strap should not be twisted.

1 2

1. With the reverse side up and using the tab, separate the top and bottom panels of the respirator to form a cup shape. Bend slightly at the centre of the noseclip.
2. Ensure that both panels are fully unfolded.

3a

3a. Cup the respirator in one hand with the open side towards your face.

3b

3b. Take both straps in your other hand. Hold the respirator under your chin, with the nosepiece facing upwards and pull the straps over your head.

4

4. Locate the upper strap across the crown of the head and the lower strap below your ears. The straps must not be twisted. Adjust the top and bottom panels for a comfortable fit, ensuring that the panels and tab are not folded in.

5

5. Using both hands, mould the noseclip to the shape of the nose to ensure a close fit and a good seal. The respirator may not fit as well if you pinch the noseclip using one hand. Use two hands.

6

6. Perform a fit-check by covering the front of the respirator with both hands taking care not to disturb its fit.
- If you're using an unvalved respirator, exhale sharply.
- If you're using a valved respirator, inhale sharply.
- If air leaks around the nose, readjust the noseclip to eliminate leakage then repeat the fit check. If air leaks at the respirator edges, work the straps back along the sides of the head to eliminate leakage then repeat the fit check.
- If you cannot achieve a proper fit, DO NOT enter the hazardous area. Consult your supervisor.

Disposable Respirators

Selecting the right product.

Selecting and specifying the appropriate respiratory protective equipment can seem daunting with so many factors to consider.

Use our simple four step selection system to ensure the respirator you choose offers the correct levels of protection and comfort required.

1. Identify the hazards

Industry	Application	Hazard	Filter Rating	
General	Sanding, cutting, drilling	Rust, metal particles, filler, concrete, stone, wood	P1	
	Sanding, cutting, drilling	Crystalline silica, cement, wood, steel, paints, varnish, anti-rust coating, steel, stainless steel, anti-fouling varnish	P1	P2
	Low temperature oil spraying, lubricating	Mineral oil, agricultural mineral oil, horticultural mineral oil, oil foam spray, metal working fluid		
Construction	Sanding, cutting, drilling	Crystalline silica	P1	
	Plastering, tunnelling, sawing, earthmoving, carpentry	Dust, sawdust		
	Painting, spraying, varnishing, coating, mixing	Water based paints, roller/brush applied spray coatings, adhesives, cleaning solvents (nuisance* levels)	GP1	
Metal Fabrication	Oxy-acetylene cutting, metal pouring, soldering, smelting, welding, work with glass and mineral fibres	Metal fume	P2	
Welding	MIG, TIG, mild steel, zinc (autogen, MIG/MIK) Stainless steel (electrodes), soldering	Welding fume and ozone	P2	
Agricultural & Forestry	Sawing, cropping, cotton ginning, feeding livestock, allergies	Wood dust, grain dust, Cotton dust, animal dander	P1	
	Handling infected animals, cleaning animal sheds, composting, waste sorting	Bioaerosols, bacteria, fungus, animal dander	P2	
	Spraying pesticide, herbicide, fungicide: *low vapour pressure organic compounds	Paint spray, mist, dust, pesticide (water based)	GP1	
Mining & Quarrying	Drilling, blasting, plant operators	Dust	P1	
	Drilling, blasting, plant operations	Diesel exhaust/smoke	P2	
Healthcare	Infection control	Infectious aerosols, TB, other bacteria/virus, allergies, pollen, mould/fungus	P2	N95
Aluminium Smelting & Cleaning	Chlorine based cleaning, smelting	Acid gases	P2	
	Chlorine based cleaners	Acid gases	P1	
Agricultural & Forestry	Pesticide spraying, solvent cleaning, welding	Organic vapour	GP2	
	Pesticide spraying, solvent cleaning	Organic vapour	GP1	
Food & Beverage, Manufacturing, Pharmaceutical	Food handling, fruit & vegetable processing, manufacturing pharmaceutical - shaping, tablet formation, cleaning & maintenance	Dusts, mists and fumes generated during handling of cereal & non-cereal flours, nuts, additives, spices, condiments, coffee, sugar, egg and fish proteins, confectionery, animal & bird feed	P1	
	Shaping/tablet formation, medicinal and pharmaceutical product manufacturing, cleaning & maintenance	Pharmaceuticals during the production of prescription drugs		

2. Assess the risk

- P1 is the rating given to a respirator which meets AS/NZS1716:2012 for filtering mechanically generated particles, e.g., particles formed by crushing, grinding, drilling, sanding and cutting.
- P2 is the rating given to a respirator that meets AS/NZS1716:2012 for filtering mechanically and thermally generated particles, e.g., those from welding fume. Respirators with a P2 rating are also recommended for use in certain applications against some bioaerosols such as H1N1 and H5N1 Influenza. N95 is a particulate respirator rating per the US National Institute for Occupational Safety and Health (NIOSH) 42 CFR 84.
- Type 'G' class rating is suitable for low vapour pressure (below 1.3Pa @ 25ºC) organic compounds e.g. many agricultural chemicals like herbicide and pesticide.

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3. Select the right respirator

Choose a valved/ unvalved respirator

Once you have selected the protection factor you require, you can then consider whether you need a cup-shaped respirator, or a foldable respirator and whether it is valved or not.

Benefits of a Valved Repirator

- Reduces exhalation effort
- Cooler to wear
- Stays comfortable for longer
- Less likely to mist up eyewear

Benefits of a Unvalved Repirator

- Lower unit cost
- Reduces potential for wearer contamination of their environment

Choose a style

You can choose from: Comfort, Classic and Basic Series. Specialty respirators that provide comfortable protection against particles and certain nuisance* level gases and vapours are also part of our range as are lightweight and effective welding respirators. This wide selection enables you to select the respirator to suit your environment.

3M™ Comfort Series

- Exceptional comfort
- Excellent compatibility with eyewear
- Unique designs

3M™ Classic Series

- Traditional cup shape
- Lightweight, comfortable and effective
- Durable collapse resistant shell

3M™ Welding & Specialty Respirators

- Activated carbon layer
- Comfort with technology
- High quality performance

3M™ Basic Series

- Reliable and convenient
- Lightweight and economical
- Protection you can afford

4. Fit Test

A respirator cannot protect you fully if it does not fit your face.

Best practice for any Personal Protective Equipment is to ensure the right fit. Proper fitting of a respirator requires the application of an accepted method of fit testing. It is recommended that wearers be fit tested in accordance with Standards Australia's document AS/NZS 1715:2009.

Training Offered

Correct use and appropriate maintenance of personal protective equipment (PPE) makes a major contribution towards ensuring that it provides effective protection. Our experienced sales and technical teams will help you make the most of your products. In compact training modules, they will show you and your employees how to recognize potential hazards, suggest what measures to take and help explain how to choose the appropriate protective equipment for each particular situation.

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.

Selection flowchart

Use the selector below to identify which respirator may be preferred for increased worker comfort.

What type of particles are in your environment?

Mechanically Generated (P1)

Thermally Generated (P2)

Is the environment hot and humid or is additional worker comfort desired?

Is the environment hot and humid or is additional worker comfort desired?

Mechanically Generated (P1)

NO → Is nuisance* level OV reduction preferred?
- **NO** → Is a folded product preferred?
  - **NO** → Classic 8710[M] / Comfort 8310[M/L]
  - **YES** → 9310A+ [M/L]
- **YES** → 9913[M]

YES → Is nuisance* level OV/AG reduction preferred?
- **NO** → Is a folded product preferred?
  - **NO** → Classic 8812[M] / Comfort 8312[M/L]
  - **YES** → 9312+ [M/L]
- **YES** → OV: 9913V[M] / AG: 9916[M]

Thermally Generated (P2)

NO → Is nuisance* level OV/AG reduction preferred?
- **NO** → Is a folded product preferred?
  - **NO** → Small 8110S[S] / Economy 8205[M] / Classic 8210[M] / Comfort 8320[M/L]
  - **YES** → Economy 1804[S] / Comfort 9320A+ [M/L]
- **YES** → OV: 8247[M] / AG: 8246

YES → Is nuisance* level OV/AG reduction preferred?
- **NO** → Is a folded product preferred?
  - **NO** → Classic 8822[M/L] / Comfort 8322[L] / Welding 8514[M/L]
  - **YES** → 9322A+ [M/L]
- **YES** → OV: 9926[M] / AG:
  - Is a galvanised steel clip required
    - **NO**
    - **YES** → 9923V [M]
      - Is a folded product preferred
        - **NO** → 8577[M/L]
        - **YES** → 9542V[M]

Key:

S	Small Size
M sizes	Fits most face shapes and
L	Fits large face sizes
OV	Organic Vapor
AG	Acid Gas

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Disposable Respirators

Comfort Series 9300A+ Aura™ Particulate Respirators

The 3M™ Aura™ Disposable Respirators 9300+ are the result of 3M's continuous drive to improve comfort. They are packed with ground-breaking ideas, technologies and materials and have also retained many of the features that helped make the original 9300 series hugely popular. Features include low breathing resistance filter technology for easier breathing throughout your shift, an embossed top panel to reduce fogging of eyewear, a sculpted edge for improved compatibility with eyewear and a chin tab to improve ease of fitting.

Features and Benefits:

Low breathing resistance

- Combines the benefits of 3M's electret particulate filter material with advanced low breathing resistance filter technology
- Gives effective filter performance whilst lowering resistance to breathing
- Improved breathing ease and comfort

3M™ Cool Flow™ valve

- Effectively removes heat build up
- Provides a cooler and more comfortable wear
- Removes exhaled air and minimises fogging of eyewear

Convenience

- Flat-folded: easy to store when not in use
- Hygienic individual packaging helps protect the respirator from contamination before use
- Innovative chin tab improves ease of donning and adjustment to help achieve a comfortable fit

Clear vision

- Embossed top panel helps reduce fogging of eyewear

Sculpted nose panel

- Adjustable noseclip helps provide a custom secure seal
- Curved low profile design conforms well to nose and eye contours, allowing more room for eyewear
- Helps provide a good field of vision
- Improves compatibility with eyewear

Face and head comfort

- Ingenious 3-panel design fits a wide range of face shapes and sizes
- Accommodates your facial movements
- Collapse resistant; ideal for work in hot, humid environments
- Stays securely in place, helping to provide a good, comfortable seal
- Large water/sweat absorbent nose foam material is soft on the skin
- Smooth inner cover web helps to create a comfortable environment for the face

9322A+

9320A+   9312A+   9310A+

Model #	Description
RP 3M 9322A+ Valved	3M™ Aura™ Particulate Respirator, P2
RP 3M 9320A+ Un-valved	3M™ Aura™ Particulate Respirator, P2
RP 3M 9312A+ Valved	3M™ Aura™ Particulate Respirator, P1
RP 3M 9310A+ Un-valved	3M™ Aura™ Particulate Respirator, P1

Comfort Series 8300 Series Particulate Respirators

The 8300 Series is designed with your comfort in mind. The 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 be more comfortable around your nose.

8322

8320   8312   8310

Model #	Description
RP 3M 8322	3M™ Cupped Particulate Respirator, P2, valved
RP 3M 8320	3M™ Cupped Particulate Respirator, P2
RP 3M 8312	3M™ Cupped Particulate Respirator, P1, valved
RP 3M 8310	3M™ Cupped Particulate Respirator, P1

Classic Series 8000 Series Particulate Respirators

The cupped shape, twin strap design, nose foam and nose clip help to provide comfort and fit over a range of face sizes. The 3M 8710 respirator was the first disposable respirator to be certified in AS/NZS 1716. Still widely used today, this respirator is trusted by millions of workers all over the world.

8822

8210

8110S   8812   8710

Model #	Description
RP 3M 8822	3M™ Cupped Particulate Respirator, P2, valved
RP 3M 8210	3M™ Cupped Particulate Respirator, P2
RP 3M 8110S	3M™ Cupped Particulate Respirator, P2 - small size
RP 3M 8812	3M™ Cupped Particulate Respirator, P1, valved
RP 3M 8710	3M™ Cupped Particulate Respirator, P1

Welding Respirator

The 3M Welding Respirator provides lightweight, effective, and comfortable respiratory protection. This durable respirator is designed specifically for welding applications to provide protection against ozone and welding fumes, plus relief from nuisance* odours. It is resists clogging and does not require costly and time-consuming maintenance. Like our other disposable respirators, the welding respirator is compatible with 3M eyewear and hearing products. It is also compatible with 3M™ Speedglas™ Welding Shields.

Model #	Description
RP 3M 8514	3M™ Cupped Particulate Welding Respirator, P2, with Nuisance* Level Organic Vapour Relief, valved

Basic Series VFlex™ Particulate Respirator

The VFlex is a unique addition to 3M's range of disposable particulate respirators. Its V-shaped pleats expand to provide a comfortable seal while giving you a spacious feel. The pleats flex with mouth movement for comfort and to maintain face seal performance.

Model #	Description
RP 3M 1804	3M™ VFlex Particulate Respirator N95 (equivalent to P2 in Australia and New Zealand)
RP 3M 1804S	3M™ VFlex Particulate Respirator Small N95 (equivalent to P2 in Australia and New Zealand)

9916

9926   8246

Specialty RespiratorsAcid Gas

The Acid Gas Specialty Respirators by 3M provide lightweight, effective, comfortable and hygienic respiratory protection against particles, with additional relief from nuisance* levels of acid gases such as sulfur dioxide and hydrogen fluoride.
The cupped shape, twin strap design, foam nose seal and nose clip ensure comfortable wear over a wide range of face sizes.

Model #	Description
RP 3M 9926	3M™ Cupped Particulate Respirator, P2 with Nuisance* Level Acid Gas Relief, valved
RP 3M 8246	3M™ Cupped Particulate Respirator, P2, with Nuisance* Level Acid Gas Relief
RP 3M 9916	3M™ Cupped Particulate Respirator, P1 with Nuisance* Level Acid Gas Relief, valved

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Specialty Respirators
Organic Vapour

The Organic Vapour Specialty Respirators by 3M are developed for particular working environments. These respirators feature an integrated activated carbon layer that offers relief from levels of nuisance* odours at concentrations below Safe Work Australia exposure standards.

They can be used for a wide variety of applications ranging from mining to weed spraying to waste sorting. The Specialty range provides lightweight, effective, comfortable and hygienic respiratory protection against particles and organic vapours.

Activated Carbon Layer

All of these specialty products offer an additional activated carbon layer to filter out ozone and nuisance* levels of organic vapour

9913V

9542V

8577

9923V

8247

9913

Model #	Description
RP 3M 9913V	3M™ Cupped Particulate Respirator, GP1 with Nuisance* Level Organic Vapour Relief, valved
RP 3M 9913	3M™ Cupped Particulate Respirator, GP1 with Nuisance* Level Organic Vapour Relief
RP 3M 8577	3M™ Cupped Particulate Respirator, GP2, with Nuisance* Level Organic Vapour Relief, valved
RP 3M 8247	3M™ Cupped Particulate Respirator, GP2, with Nuisance* Level Organic Vapour Relief
RP 3M 9923V	3M™ Cupped Particulate Respirator, P2, with Nuisance* Level Organic Vapour Relief, valved
RP 3M 9542V	3M™ Flat Fold Particulate Respirator, P2, with Nuisance* Level Organic Vapour Relief, valved
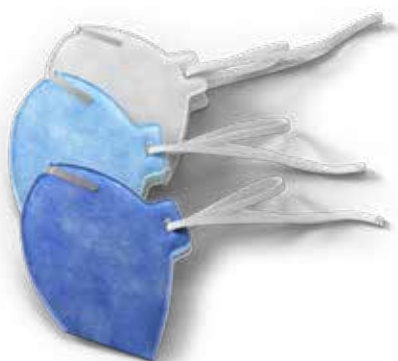
Dräger Xplore Series 1720 Respirators

Dräger X-plore® 1720 is the new generation of particle filtering face pieces which offer P2 (class2) protection against fine dust and solid and liquid particles that are present in diverse application areas. With low breathing resistance, this is the ideal choice for a disposable mask. Certified to AS/NZS 1716:2012
* Low breathing resistance with high filtering performance CoolSAFE™ filter material prevents the inhalation of small particles and bears up against high levels of exposure to dust
* Easy to don and doff. Comfortable to wear, thanks to soft, hypoallergenic material
* CoolMAX™ exhalation valve for easy breathing and reduced heat build-up in the mask,
* Flat-folded and individually packaged: saves space, easy to transport, hygienic and clean
* Greater overall comfort for the user, even when used for long periods

Dräger Xplore Series 1920 Respirators

Dräger X-plore® 1900 is a high-performance, premium single-use dust mask offering P2 (class 2) protection against fine dust and particles.
The premium particle filtering mask is available in two sizes, giving exceptional comfort and optimal fit. Certified to AS/NZS 1716:2012
• CoolSAFE filter material for high filtration efficiency and low breathing resistance
• Tear-resistant VarioFLEX head straps make the mask easy to put on and take of and comfortable to wear
• Flexible nose clip and soft nose pad for a secure seal
• Three-part folding design for optimal adjustment to the face and stable positioning of the mask
• SmartFOLD design with patented double reinforcement provides increased breathing space and a sturdy mask body

Dräger Xplore Series 1920 Respirators

Dräger X-plore® 1900 is a high-performance, premium single-use dust mask offering P2 (class 2) protection against fine dust and particles.
The premium particle filtering mask is available in two sizes, giving exceptional comfort and optimal fit. Certified to AS/NZS 1716:2012
• CoolSAFE filter material for high filtration efficiency and low breathing resistance
• Tear-resistant VarioFLEX head straps make the mask easy to put on and take of and comfortable to wear
• Flexible nose clip and soft nose pad for a secure seal
• CoolMAX exhalation valve effectively releases humid and warm exhaled air to the outside
• Three-part folding design for optimal adjustment to the face and stable positioning of the mask
• SmartFOLD design with patented double reinforcement provides increased breathing space and a sturdy mask body

Model #	Description
RP DRA 3951193	Dräger X-plore® 1720 Non Valved FFP2
RP DRA 3951084	Dräger X-plore® 1720 Valved FFP2
RP DRA 3951085	Dräger X-plore® 1720 Valved Odour FFP2

Model #	Description
RP DRA 3951921	Dräger X-plore® 1920 Non Valved FFP2 Small
RP DRA 3951920	Dräger X-plore® 1920 Non Valved FFP2 Med/Large

Model #	Description
RP DRA 3951926	Dräger X-plore® 1920 Valved FFP2 Size Small
RP DRA 3951925	Dräger X-plore® 1920 Valved FFP2 Size Med/Large

2-Strap Series Respirators
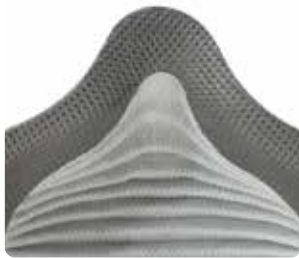
MORE AIR. MORE WEAR.™

- Exclusive easy-breathing wave design.
- Less resistance, better breathability.
- Larger surface area of the wave design means more airflow.
- More air and more comfort means more wear and compliance.

P2 AirWave 2-Strap
RP MX 4200

MORE FLEX. MORE DURABILITY.

P2 AirWave SmartStrap
RP MX 4600

Soft Foam Full Face Flange on the 4800 model.

Soft Foam Nose Cushion

- Dura-Mesh® shell resists collapsing in heat and humidity.
- Facepiece is naturally contoured without pressure points.
- Molded nose bridge seals easily without a metal noseband.
- Softspun® lining for increased comfort.*
- Up to two distinct sizes in industrial masks and five sizes in healthcare to address today's diverse workforce.
- Soft foam nose cushion for added comfort.*
- Meets heat and flame resistance in accordance with AS/NZS 1716-2012.
- 100% PVC-Free.

Outer Dura-Mesh® keeps respirator cleaner looking.

Inner Dura-Mesh® helps prevent collapsing from heat and humidity.
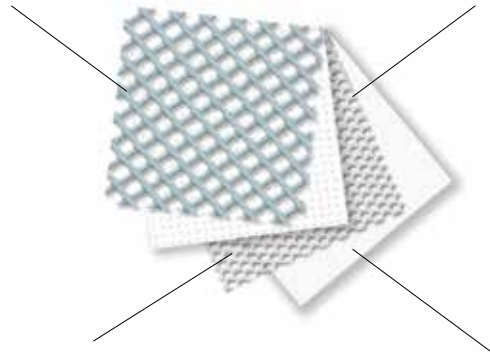
Filter is protected on both sides by Dura-Mesh®.

Softspun® lining is comfortable against the face.

Contour shaped for comfort

Pinch Free Nose Bridge

FlexFit® design moves easily with your face and stays in place.

- Pinch-free molded nose bridge.
- Soft foam nose cushion or full face flange.
- Softspun® lining for increased comfort.
- Dura-Mesh® shell resists collapsing in heat and humidity.
- Meets heat and flame resistance in accordance with
- AS/NZS 1716-2012.

▲ **2200P2**

P2 Plus Nuisance Organic
Vapours 2-Strap w/ Valve

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX 2200	M/L	None	Latex	▲	20 / Box	12 Boxes
RP MX 2300	M/L	Button	Latex	▲	10 / Box	10 Boxes

▲ **2300P2**

P2 Plus Nuisance Acid
Gases 2-Strap w/ Valve

▲ **2200P2**

P2 Plus Nuisance Organic
Vapours 2-Strap w/ Valve

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX 2200	M/L	None	Latex	▲	20 / Box	12 Boxes
RP MX 2300	M/L	Button	Latex	▲	10 / Box	10 Boxes

▲ **2300P2**

P2 Plus Nuisance Acid
Gases 2-Strap w/ Valve

● **2400P2**

P2 Classic 2-Strap

🟪 **2500P2**

P2 2-Strap w/ Valve

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX 2400	M/L	None	Latex	●	20 / Box	12 cBoxes
RP MX 2500	M/L	Button	Latex	🟪	10 / Box	10 Boxes

● **2400P2**

P2 Classic 2-Strap

🟪 **2500P2**

P2 2-Strap w/ Valve

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX 2400	M/L	None	Latex	●	20 / Box	12 cBoxes
RP MX 2500	M/L	Button	Latex	🟪	10 / Box	10 Boxes

▲ **RP MX 2600**

P2 HandyStrap

▲ **RP MX 2700**

P2 HandyStrap w/ Valve

▲ **RP MX M2700**

P2 HandyStrap Special
Ops® w/ Valve

▲ **RP MX 2800**

P2 + Nuisance Organic
Vapours HandyStrap w/Valve

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX 2600	M/L	None	Cloth	▲	20 / Box	12 Boxes
RP MX 2700	M/L	Ventex	Cloth	▲	10 / Box	10 Boxes
RP MX 2701	S	Ventex	Cloth		10 / Box	10 Boxes

M/L = Medium/Large   S = Small

Product Code	Size	Valve Type	Strap Material	Usage Type	Display Quantity	Case Quantity
RP MX M2700	M/L	Ventex	Cloth	▲	10 / Box	10 Boxes
RP MX 2800	M/L	Ventex	Cloth	●	10 / Box	10 Boxes
RP MX 2801	S	Ventex	Cloth		10 / Box	10 Boxes

M/L = Medium/Large   S = Small

▲ P2 Series Applications:
Grinding, Torch Cutting, Sanding, Metal Pouring, Sweeping, Metal Working, Bagging, Foundries, Stone Quarrying, Agriculture, Metal Machining, Construction Sites, Cement, Ceramics Manufacturing, Underground Mining, Timber/Lumber Mills, Polishing, Buffing, Lime, Poultry, Textiles, Welding, Brazing, Soldering.

● P2 Plus Nuisance Levels of Ozone and Organic Vapours Applications:
Welding, Diesel Particulate Matter (DPM), Arc Cutting, Foundry Operations, Brazing, Plasma Spraying, Laser Beam Cutting/Welding, Laboratory Settings, Agriculture, Petrochemical Manufacturing, Rendering Plants, Auto Repair, Mining Operations, Waste Disposal.

🟪 P2 Plus Nuisance Levels of Acid Gas Irritants Applications:
Aluminum Smelting, Glass Etching, Electroplating, Fiberglass Manufacturing, Paper Processing, Chemical Processing, Brewing Operations, Fertilizer Production.

FLAT FOLD RESPIRATORS

AS/NZS 1716:2012
ID No: BMP547903

RP PC PC2122   P2

P2 HORIZONTAL FLAT FOLD RESPIRATOR WITH VALVE

• Protection against mechanically and thermally generated particles.
• Dual latex free elastic straps for ease of donning and doffing.
• Horizontal flat fold for improved comfort and fit, and easily worn with glasses and goggles.
• Adjustable plastic/aluminium nose bridge for enhanced seal.
• ProValve exhalation valve for decreased exhalation resistance and heat stress.
• Resealable bag for hygienic storage.

QTY/PACK: 12 PIECES / QTY/CARTON: 20 BOXES

P2 FLAT FOLD RESPIRATOR WITH VALVE
TRI-FOLD FOR IMPROVED COMFORT AND FIT

AS/NZS 1716:2012

RP PC FFP2V   P2

P2 FLAT FOLD DISPOSABLE RESPIRATOR WITH VALVE

• Protection against mechanically and thermally generated particles.
• Dual latex free elastic straps for ease of donning and doffing.
• Tri-fold for improved comfort and fit, and easily worn with glasses and goggles.
• Adjustable plastic nose bridge for enhanced seal.
• ProValve exhalation valve for decreased exhalation resistance and heat stress.
• Masks individually packed.

QTY/PACK: 10 PIECES / QTY/CARTON: 20 BOXES

AS/NZS 1716:2012

DISPOSABLE RESPIRATORS

RP PC PC321   PC321   P2

P2 DISPOSABLE RESPIRATOR WITH VALVE

• Protection against mechanically and thermally generated particles.
• Lightweight cupped design for comfortable extended wear.
• Dual latex free elastic straps for ease of donning and doffing.
• ProValve exhalation valve for decreased exhalation resistance and heat stress.
• Nose flange for increased protection and facial fit.
• Resealable bag for hygienic storage.

QTY/PACK: 12 PIECES / QTY/CARTON: 20 BOXES

AS/NZS 1716:2012
ID No: BMP547903

RP PC PC531   P2

P2 DISPOSABLE RESPIRATOR WITH VALVE / CARBON FILTER

• P2 activated carbon filter protects against nuisance level organic vapours.
• P2 activated carbon filter protects against mechanically and thermally generated particle.
• Lightweight cupped design for comfortable extended wear.
• Dual QuickLock head strap for ease of donning and doffing.
• ProValve exhalation valve for decreased exhalation resistance and heat stress.
• Nose flange for increased protection and facial fit, and resealable bag for hygienic storage.

QTY/PACK: 12 PIECES / QTY/CARTON: 20 BOXES

Industrial Protective Products (WA)
Supporting Better Products

Reusable Respirators

For prolonged periods of use, Half and Full Face Masks offer exceptional value and quality, all combine comfort with ease of use. Respirators have to pass strict quality control tests and provide a consistently high level of safety. The choice of the right mask and filter type depends on your particular working environment and individual requirements. 3M can assist you to choose the protection that helps you achieve optimum results.

How a gas and vapour respirator cartridge works.

3M makes gas and vapour respirator cartridges to help reduce user exposure to many different organic vapours. To achieve this objective, respirator cartridges are filled with a material called activated carbon. Activated carbon is typically made from coal or renewable resources like wood or coconut shells. It is "activated" by heating the material in nitrogen or steam at approximate temperatures of 800 – 900°C. The resulting material has a significant number of micropores that help adsorb various organic vapours. These micropores can be measured and optimized for specific product needs and performance.

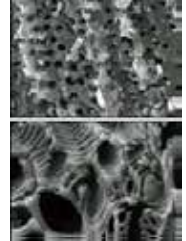Coal or renewable resources, such as coconut shells

Coal or renewable resources are heated without oxygen

High-temperature steam or nitrogen activation

High-grade activated carbon

Electron micrographs of activated carbon pores

When gas and vapours are drawn through a gases and vapour cartridge, the air is filtered as vapours condense into the carbon pores. Vapours move through the cartridge from one pore to the next. This occurs more quickly for small volatile vapours with lower boiling points (e.g., acetone). Some migration of organic vapours can even occur during storage, so care must be taken before reusing the cartridge. The effective service life is the time until vapours begin to exit the cartridge.

Unlike particle filters, service life is not indicated by change in breathing resistance. Instead, cartridges must be changed according to local regulations; end-of-service-life indicator; or irritation from the contaminant; or according to 3M™ Service Life Software calculation, whichever comes first.

Activated carbon by itself cannot adsorb other types of gases or vapours such as acid gases, ammonia, formaldehyde, etc. In some cases, additional metals and salts are added to the carbon to selectively remove these compounds. For this reason, 3M offers a variety of cartridges and facepieces to help protect workers in different environments and satisfy personal preferences.

AS/NZS 1716 uses a classification system to identify the different types of contaminants these filter cartridges capture. 3M Filter cartridges follow this marking and colour coding system.

3M is committed to develop quality safety products to help protect workers. For more information about 3M gases and vapour cartridges, or to establish a cartridge change schedule, please visit 3M.com.au/ppesafety.
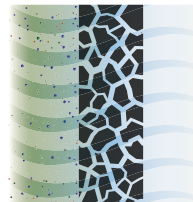
Unfiltered organic vapours are drawn into the cartridge.
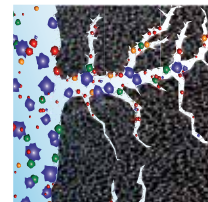
Activated carbon absorbs organic vapours on molecular level.
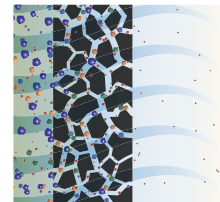
Service life continues until vapours begin to escape the cartridge.

Factors that influence service life:

- Exposure concentration
- Temperature
- Humidity (water vapour takes up space in carbon pores)
- Class of filter

How do particle filters work?

A bed of randomly oriented fibres is used to create the filter. Treated fibres can be used to attract and trap particles as they flow into and through the filter material. Increasing the thickness and capture effectiveness of the filter material increases the filter efficiency at capturing particles. Particle filters are tested according to AS/NZS1716 Section 4.3.5 and Appendix I and L. The physics of particle capture indicates that the particle size range 0.02-0.2 micron equivalent diameter is the most difficult size range to capture so the filter is tested with a sodium chloride challenge aerosol consisting of particles mainly of this size. There are four common mechanisms of filtration being interception capture, inertial impaction and diffusion capture and electrostatic attraction. In practice, particle filters designed for respiratory protection will capture particles of all sizes – the major difference is the relative performance in the range between ~0.1 and 1 um. Each class of filter must perform above a certain level against the test aerosol to be then classified under AS/NZS1716 as explained below.

What's a P1, P2, P3 rating filter?

P1 is an AS/NZS1716 rated particle filter for use with Mechanically generated particles eg particles formed by crushing, grinding, drilling, sanding, cutting etc including silica, wood dust, mists from spraying.

P2 is an AS/NZS1716 rated particle filter for use with Mechanically and Thermally generated particles eg those from welding fume. These are also the recommended type for use with certain biological particles in certain applications eg TB, SARS.

P3 filter is the highest efficiency particle filter class and is used for particulates that are of high toxicity or at high concentrations. The benefit of this high efficiency filter can only be achieved on a full face mask or head covering respirator system.

**How long do particle filters last?**

As particle filters load up with the contaminant, they actually become more restrictive to the passage of particles and can be a better filter. However, they also become harder to breathe through.

The wearer will notice this increased load and at some point decide that the restriction is too high and will then need to change the filter. How soon this occurs will also be dependent on the amount of particles in the breathing air.

A very dusty job will obviously clog the filter up more quickly than a relatively clean job. The change decision point will vary from individual to individual as some people are more sensitive to the increase in breathing load than others. So in summary, the filter should be changed when the breathing resistance becomes excessive to the wearer OR if the filter is damaged in any way eg by welding sparks.

Are there 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%. Filters do not create oxygen.
- For the capture of gases or vapours - these need a specifically rated gas/vapour filter.
- When the airborne particulate contaminant concentrations are high ie greater than the standard allows for that respirator type.
- When Government Regulations require use of airline or other specific type of respirator for specific applications.
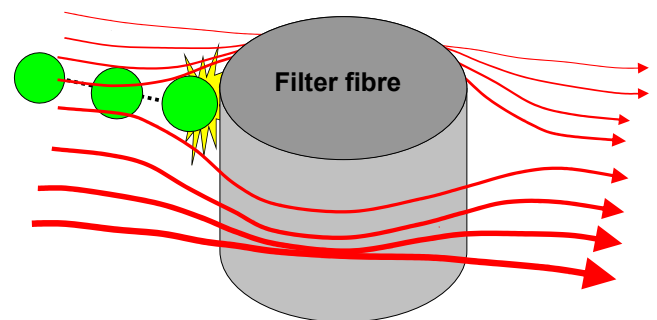
Inertial Impaction Dominant for large particles (>0.6µm)
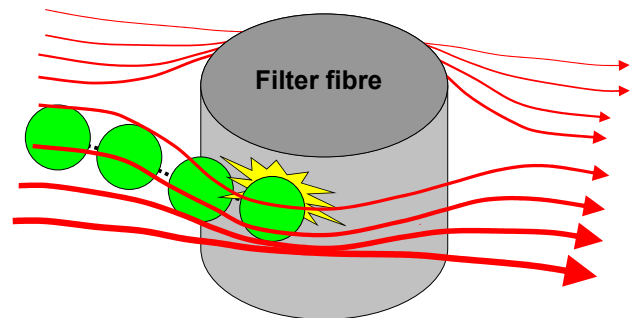
Interception Capture Operative for particles greater than 0.1 µm
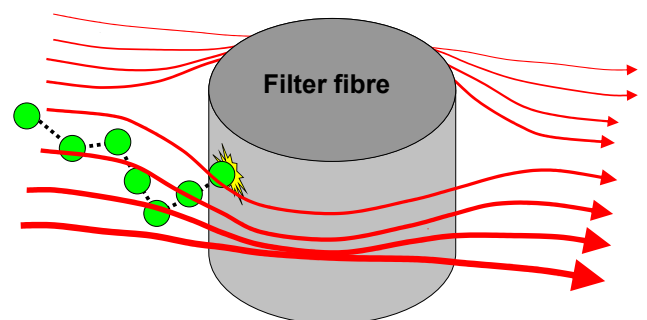
Diffusion Capture Operative for particles < 0.4 µm, dominant for < 0.1 µm

A respiratory solution for every task.

It's clearly recognised that we need clean air to survive and that exposure to toxins could cause irreparable damage to our health, but sometimes respiratory risks are not obvious or the damage to human respiratory systems occurs over a longer period of time, which is why choosing suitable respiratory protection is important for long term worker health.

AS/NZS 1715:2009 which covers the selection, use and maintenance of respiratory protection equipment states: "The effective management of risks to health is achieved by identifying the hazards, assessing the risk associated with those hazards and controlling the risks to health".

The following summarises the tasks needed to ensure a safe respiratory working environment.

1. Undertake a risk assessment to identify the hazard and if possible remove or reduce the hazard, which is always preferable to using Respiratory Protective Equipment (RPE). If this is not possible, appropriate RPE will need to be selected and implemented, to prevent inhalation of contaminated air.

2. A clearly defined set of selection steps must be followed to determine the type of RPE that is best suited for the job and the contaminant.

Respiratory protective devices are classified into two main groups; Air Purifying Respirators (Filtering devices) and Air Supplied Breathing Apparatus.

Where an Immediately Dangerous to Life and Health (IDLH) atmosphere is identified, air purifying respirators/filtering devices are not suitable, and self-contained and/or air supplied demand breathing apparatus must be used, due to the risk of oxygen displacing gases or other hazards where a filter may not provide appropriate protection from the hazard. RPE are given a Protection Factor (PF), which is a measure of the efficiency of the respiratory protection devices, i.e. if the content of a substance on the inside of the mask is one fiftieth of what it is in the ambient air, the respiratory protective device is said to have a Protection Factor of 50.

In addition to identifying the hazard, AS/NZS 1715:2009 states that;

*   All users must be trained to use RPE
*   RPE must fit properly to prevent leaks around the edges
*   Fit-testing must be done before first wearing a mask
*   Beards, moustaches, sideburns, stubble & long hair are not allowed when wearing a mask
*   Cleaning and maintenance of RPE is required.

Guide to identify and assess hazards.

To identify all respiratory hazards review your workplace by:
Task / Area / Process

Respiratory hazards can be categorised as follows:

Oxygen Deficiency

Less than 19.5% oxygen
Eg. Confined space

Gases/ Vapours

Eg. Organic vapours, Inorganic gas, acid gas, ammonia

Particulates

Mechanically generated = P1
Thermally generated = P2

Eg. Dust/mist, metal fume, fibre, micro organism

Particulates

Toxic = P3
For high protection factors = P3

Eg. Beryllium

Risk Assessment
Assess Contaminants / Exposure Levels / Workplace Exposure Standard

Match Cartridge/Filter type to the hazard

Oxygen Deficiency

Seek advice from your safety supplier for airline, built-in or SCBA options

Gases/ Vapours

Refer to page 44 of catalogue for 3M Cartridge options

Particulates

Mechanically generated = P1
Thermally generated = P2

Refer to page 44 of catalogue for 3M Filter options

Particulates

Toxic = P3

Refer to page 44 of catalogue for 3M Cartridge/Filter options

Match the Reusable Respirator to the Cartridge/Filter

This is a guide only. Selection of the most appropriate personal protective equipment (PPE) will depend on the particular situation and exposure levels and should be made only by a competent person knowledgeable of the assessed risks, actual working conditions and limitations of PPE. Details regarding performance and limitations are set out on the product packaging and user information.

Information

For more information on our range of Respiratory Protection, or to place an order contact IPP on **08 9330 6355** or visit **www.ippwa.com.au**

IPP
Industrial Protective Products (WA)
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Hazard identification and protection recommendations.

Industry	Application	Hazard	Recommended Protection
Construction	Painting, spraying, varnishing, coating	Solvent-based paint Solvents, resins, synthetic resins Latex-paint, residual solvents Spray-on glue, foam, varnish, adhesive	A1P2
Metal Fabrication	Welding, metal cutting, metal pouring, soldering, brazing	Metal fumes	P2
	Welding - TIG, MIG and other	Metal fumes, ozone gas. Nuisance levels of organic vapour	GP2
Agriculture	Spraying low vapour pressure*** pesticides, herbicides or fungicides	Organic vapour, mist, dust	GP2
	Mixing pesticide, herbicide or fungicide or spraying organic vapours	Organic vapour, mist, dust	A1P2
Automotive	Cleaning or using organic solvents, degreasing, paint thinners and glues	Organic vapour	A1
	Brush or roller application* of 2 pack type paints	Isocyanates*	A1
Fibreglass	Laying up	Expoxy and polyester resin, amines & anhydride hardner. Methy ethyl ketone peroxide (MEKP), styrene vapour	A1P2
	Using a chopper gun	Glass fibre, dust, resin and styrene vapour	
	Spray painting & cleaning moulds	Organic vapour and mist	
Maintenance	Disinfection, cleaning	Organic vapour, mist and dust	A1P2
		Organic vapour, formaldehyde, mist and dust	ABE1P2
Other	Handling	Ammonia (NH3)**	K
		Bacteria, spores, odours	P2
		Hydrochloric acid vapour or mist**	ABEP2
		Petroleum solvents	A2
		Sulphur dioxide**	E
		Particulates**	P2
		Hazardous goods storage/transport	Seek specialised advice from 3M

* For protection from Isocyanates when spraying polyurethanes/2 pack, please contact the 3M TechAssist Helpline. **Also need to consider eye/face/skin protection. ***Low vapour pressure < 1.3Pa @ 25ºC. P3 protection is only achieved on a full face respirator.

Filter selection guide.

Filter Type	Colour	Main area of application
P	White	Particles: Dusts, mists, fumes, fibres, toxic particles & microorganisms (bacteria, fungi, viruses, enzymes)
A	Brown	Organic gases and vapours with boiling point >65ºC. eg. Toluene, Xylene, MEK, Benzene, Alcohols
AX	Brown	Highly volatile organic solvents with boiling point <65ºC. e.g. Methanol, 1.3-Butadiene, Acetaldehyde
B	Grey	Acid gases, e.g chlorine, hydrogen sulphide, hydrogen chloride
E	Yellow	Inorganic gases such as sulphur dioxide
K	Green	Ammonia and organic ammonia derivatives
Hg	Red	Mercury (vapour) and mercury compounds

Application limits for Gas & Vapour respirators (AS/NZS1715):
Half face respirators can be used up to 10 times the relevant Workplace Exposure Standards (WES) or up to 1000 ppm, whichever limit is reached first.
Full face respirators can be used up to 100 times the WES with a Class 2 filter or up to 5000 ppm, whichever limit is reached first.
A1 and A2 Cartridges are designed for use with organic vapours with a boiling point above 65ºC.
AX Cartridges are used for organic vapours with a boiling point under 65ºC. Note: 3M™ AX Cartridges are single use and can only be fitted to 3M™ Full face respirators.

This selection guide is only an outline designed to focus on products which may be appropriate for typical applications - it should not be used as the only means of selecting a product. Selection of the most appropriate personal protective equipment (PPE) will depend on the particular situation and exposure levels and should be made only by a competent person knowledgable of the assessed risks, actual working conditions and limitiation of PPE. Details regarding performance and limitations are set out on the product packaging and user information. If in doubt, contact a safety professional or 3M.

Industrial Protective Products (WA)
Supporting Better Products

Reusable Respirators

Select the right respirator.

Half Face and Full Face masks; are offered in a variety of materials and sizes to suit most face sizes and shapes.

Half Face	4000+	6000	6500QL	7500	HF-800SD	AVIVA 40
Enhanced Durability			●	●	●	●
Enhanced Comfort			●	●	●	●
Drop-down Feature	●		●	●		●
3M™ Cool Flow™ Valve			●	●	●	
Compatible with 3M™ Supplied Air System		●	●	●		
Silicone Faceseal			●	●	●	
Compatible with Welding Shield		●	●	●	●	
Compatible with PAPR system with BT60 tube				●		
Speech Diaphragm					●	

Full Face	6000 FF	6800DIN	7800 FF	FF-400	Vision	Promask Single	Sari	M98
Enhanced Durability			●		●	●	●	●
Enhanced Comfort	●			●				
3M™ Cool Flow™ Valve	●			●				
Compatible with 3M™ Supplied Air System	●		●		●	●		
Compatible with 3M™ PAPR Systems	●	●			●	●	●	
Silicone Faceseal	●	●	●	●	●		●	
Speech Diaphragm			●	●	●	●	●	●

IPP Industrial Protective Products (WA)
Supporting Better Products

3M™ Secure-Click™ Reusable Half Face Mask HF-800SD

Designed with smart and intuitive features, the 3M™ Secure Click Half Mask Reusable Respirator HF-800SD Series helps protect workers from particulates and a wide variety of gases and vapours when used with approved 3M™ Secure Click™ filters and cartridges.

- Silicone facepiece for comfort and durability
- Work with confidence, provided by the all new Secure Click(TM) connection
- Provides one-touch button to check on seal check
- Experience the greater breathability and comfort provided by the world's first quad-flow gas and vapour or cartridge
- Speech diaphragm provides easier communication while working

New **Speaking Diaphragm**

Designed to help provide easier communication while working.

New **Patented Silicone Flex-Joint Faceseal**

Provides a softer feel for more comfort on the wearer's face.

Easy-Adjust Buckle

Simple two-way adjustability: pull straps to tighten, squeeze wings to loosen.

New **Unique Filter & Cartridge Connection**
Align the connections and push to hear a click.

New **Push Button Seal Check**

Provides increased worker confidence that the respirator is being worn properly.

New **Better Breathability**

Two dual-flow cartridges on each respirator combine four airflow paths for easier breathing.

Exhalation Valve

Helps direct exhaled breath and moisture downward.

Swept Back Filter & Cartridge Design

For compatibility with certain welding and grinding shields.

Model #	Description
RP 3M HF-801SD	Small mask with speaking diaphragm for use with secure click filters and cartridges
RP 3M HF-802SD	Medium mask speaking diaphragm for use with secure click filters and cartridges
RP 3M HF-803SD	Large mask with speaking diaphragm for use with secure click filters and cartridges.

3M™ 7500 Series Reusable Respirator
The 3M™ Half Face Reusable Respirator 7500 Series has a soft, silicone face seal for greater comfort and durability. The 3M™ Cool Flow™ Valve helps make breathing easier and can reduce heat and moisture build-up for cool, dry comfort. Combine with a broad range of twin, lightweight 3M filters or cartridges to provide respiratory protection against particulates and a variety of gases and vapours.
- Soft, silicone facepeice for comfort and durability
- Drop down feature for added convenience during breaks
- Thin nose bridge area for reduced pressure and improved comfort
- 3M Cool Flow Exhalation valve offers reduce breathing resistance
- Respirator design helps reduce fogging when wearing eye protection
- Flexible system for use with 3M gas, vapour and particulate cartridges and filters
- Maintainable through a range of spare parts

Model	Description
RP 3M 7501B	Small for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 7502B	Medium for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 7503B	Large for use with 3M™ 6000, 2000 & 5000 Series Filters

3M™ 6500QL Series Reusable Respirator
- Overmolded / Low-Profile Design
- Optimum fit and comfort with three-size-adjustable head cradle
- Silicone Faceseal provides comfort and stability with a soft but firm faceseal
- 3M™ Cool Flow™ Valve for Easier breathing
- Reusable respirator with quick latch drop down mechanism for easy on and off as wearers move in and out of contaminated areas
- Textured face seal minimises slippage and improves comfort

Model #	Description
RP 3M 6501QL	Small for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6502QL	Medium for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6503QL	Large for use with 3M™ 6000, 2000 & 5000 Series Filters

3M™ 6000 Series Reusable Respirator
- Provides lightweight, easy-to-use, economical protection
- An economical choice
- Facepiece is made from soft, lightweight thermoplastic elastomer
- Head harness assembly and spare parts available

Model	Description
RP 3M 6100B	Small for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6200B	Medium for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6300B	Large for use with 3M™ 6000, 2000 & 5000 Series Filters

3M™ 4000+ Series Reusable Respirator
- Disposable, maintenance-free half face respirator
- Twin inhalation valves and large, bonded carbon filters with permanently attached particulate filters
- Easy to use as no need for assembly, maintenance or record keeping

Model #	Description
RP 3M 4251+	A1P2
RP 3M 4255+	A2P2
RP 3M 4277+	A1B1E1P2
RP 3M 4279+	A1B1E1K1P2

3M™ Reusable Half Face Respirator Starter Kits.

These kits are designed to offer respiratory protection in a convenient and easy way – an ideal solution to get you started. The kits provide protection for a range of applications, from spray painting to sanding or welding. To avoid moisture and contaminant exposure, the respirator is housed in a handy, sealable storage container.

3M™ Spraying Respirator Kit 7551
A convenient respiratory kit designed for certain painting* and spraying environments. The kit comes complete with the 3M™ Half Face Reusable 7500 Series Respirator for comfort and durability. The 3M™ Cool Flow™ Exhalation Valve reduces breathing resistance and minimizes heat build-up.
*Not to be used when spraying isocyanate based paints

Model #	Description
RP 3M 7551S	Spraying Respirator Kit - A1P2 Small
RP 3M 7551M	Spraying Respirator Kit - A1P2 Medium
RP 3M 7551L	Spraying Respirator Kit - A1P2 Large

3M™ Spraying Respirator Kit 6251
A convenient respiratory kit designed for certain painting* and spraying environments. The kit comes complete with the 3M™ Half Face Reusable 6000 Series Respirator for comfort and durability.
* Not to be used when spraying isocyanate based paints

Model #	Description
RP 3M 6251S	Spraying Respirator Kit - A1P2 Small
RP 3M 6251M	Spraying Respirator Kit - A1P2 Medium
RP 3M 6251L	Spraying Respirator Kit - A1P2 Large

3M™ Welding Respirator Kit 6228
Includes a 3M™ Half Face 6000 Series Respirator that is simple and lightweight.

Model #	Description
RP 3M 6228S	Spraying Respirator Kit - A1P2 Small
RP 3M 6228M	Spraying Respirator Kit - A1P2 Medium
RP 3M 6228L	Spraying Respirator Kit - A1P2 Large

3M™ Welding Respirator Kit 7528
Includes a 3M™ Half Face 7500 Series Respirator with special Cool Flow™ valve and soft silicone material. Ideal for working in hot and humid conditions or during prolonged use.

Model #	Description
RP 3M 7528S	Spraying Respirator Kit - A1P2 Small
RP 3M 7528M	Spraying Respirator Kit - A1P2 Medium
RP 3M 7528L	Spraying Respirator Kit - A1P2 Large

3M™ Construction Respirator Kit 6535QL
The kit comes complete with the 3M™ Half Face Reusable 6500QL Respirator for comfort and durability. It features 3M™ Cool Flow™ Exhalation Valve that reduces breathing resistance and minimizes heat build-up. The Quick Latch drop down mechanism provides ease in donning and doffing the face piece.

Model #	Description
RP 3M 6535QL - S	Construction Respirator Kit-P2 Small
RP 3M 6535QL - M	Construction Respirator Kit-P2 Medium
RP 3M 6535QL - L	Construction Respirator Kit-P2 Large

3M™ Dust/Particle Respirator Kit 6225
Includes a 3M™ Half Face 6000 Series Respirator that is simple and lightweight.

Model #	Description
RP 3M 6225S	Dust/Particle Respirator Kit-P2 Small
RP 3M 6225M	Dust/Particle Respirator Kit-P2 Medium
RP 3M 6225L	Dust/Particle Respirator Kit-P2 Large

3M™ Asbestos/Dust Respirator Kit 7535
A convenient respiratory kit designed for certain** asbestos tasks and environments containing dust. The kit comes complete with the 3M™ Half Face Reusable Respirator 7500 Series for comfort and durability. The respirator design helps reduce fogging when wearing eye protection (eyewear included).

Model #	Description
RP 3M 7535S	Asbestos/Dust - P2/P3 Small
RP 3M 7535M	Asbestos/Dust - P2/P3 Medium
RP 3M 7535L	Asbestos/Dust - P2/P3 Large

3M™ Multi-Gas Respirator Kit 6259
Includes a 3M™ Half Face 6000 Series Respirator that is simple and lightweight.
*Not to be used when spraying isocyanate based paints

Model #	Description
RP 3M 6259S	Multi-Gas Respirator Kit-A1B1E1K1P2 Small
RP 3M 6259M	Multi-Gas Respirator Kit-A1B1E1K1P2 Medium
RP 3M 6259L	Multi-Gas Respirator Kit-A1B1E1K1P2 Large

3M™ Scott™ M98 Full Face Respirator

- Protects against chemical, biological, radiological, nuclear (CBRN) and riot control agents
- Easy-to-use drinking device for hygienic and rapid ingestion of liquids
- Military grade mask - requires end-user declaration to be completed upon purchase
- Advanced speech diaphragm provides optimal personal communication
- Polycarbonate visor

Model #	Description
RP SCO 013010	M98 Full Face Natural Rubber harness Medium, for use with Pro2000 Filters
RP SCO 013030	M98 Full Face Textile Webbing harness Medium, for use with Pro2000 Filters
RP SCO 013031	M98 Full Face Textile Webbing harness Small, for use with Pro2000 Filters

3M™ 6000 Series Full Face Respirator

The 3M™ Full Face Reusable Respirator 6000 Series is simple to use and comfortable to wear. Combined with a broad range of twin, lightweight 3M™ filters or cartridges to provide respiratory protection against particulates and a variety of gases and vapours.

Features and Benefits:

3M™ Full Facepiece Respirators 6000 Series, Reusable
- Soft, silicone face seal for greater comfort and durability
- Wide field of vision
- Polycarbonate visor
- Lightweight design with silicone face seal enhances comfort and improves durability
- Unique centre adapter to direct exhaled breath and moisture downward, helps reduce debris from depositing in the valve, and allows for quick and easy cleaning
- Flexible system for use with 3M gas, vapour and particulate cartridges and filters
- Can also be used with 3M Supplied-Air Systems
- Available in four different modes; can be used with both negative and powered and supplied-air systems

Model #	Description
RP 3M 6700	Small for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6800	Medium for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M 6900	Large for use with 3M™ 6000, 2000 & 5000 Series Filters

3M™ Full Face Respirator FF-400 Series
- The 3M FF-400 Series Full Face Masks are engineered to deliver maximum comfort and a wide field of view.
- Available in three sizes,
- All masks have the 3M bayonet connection system allowing connection to a broad range of twin lightweight filters
- Six point Head harness for a secure, durable fit
- Passive speaking diaphragm for clearer communication 3M Cool Flow valve helps reduce heat and moisture build up inside the face piece
- Large polycarbonate lens with a wide field of vision featuring 3M™ Scotchgard Protector coating to resist dirt, paint and stains and provides for easier cleaning and maintenance.
- Polycarbonate visor

Model #	Description
RP 3M FF-401	Ultimate FX Full Face Respirator Small - for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M FF-402	Ultimate FX Full Face Respirator Medium - for use with 3M™ 6000, 2000 & 5000 Series Filters
RP 3M FF-403	Ultimate FX Full Face Respirator Large - for use with 3M™ 6000, 2000 & 5000 Series Filters

3M™ Scott™ Promask - Single Filter Full Face Respirator

- DIN40 threaded filter connection
- Wide range of high performance Pro2000 filters available to address a variety of hazards
- Non allergenic halo butyl face piece with wide panoramic polycarbonate visor
- Five point adjustable head harness provides increased wearer comfort and fit
- Speech diaphragm provides clear and audible speech transmission
- Polycarbonate visor

Model #	Description
RP SCO 012670	Small for use with Pro2000 filters
RP SCO 012681	Medium/Large for use with Pro2000 filters

3M™ Reusable Full Face Respirator Starter Kit.

A convenient respiratory kit designed for certain asbestos tasks* painting* and spraying and environments containing dust. The kit comes complete with the 3M™ Full Face Reusable 6000 Series Respirator for comfort and durability. The respirator is simple and easy to use, well balanced and provides a wide field of vision.

3M™ Asbestos/Dust Respirator Kit 6835, P3

Model #	Description
RP 3M 6835S	Asbestos/Dust - P3 Small
RP 3M 6835M	Asbestos/Dust - P3 Medium
RP 3M 6835L	Asbestos/Dust - P3 Large

3M™ Gas and Vapour Cartridge Filters Series

6057   6059

6075   6051

6098   6051i
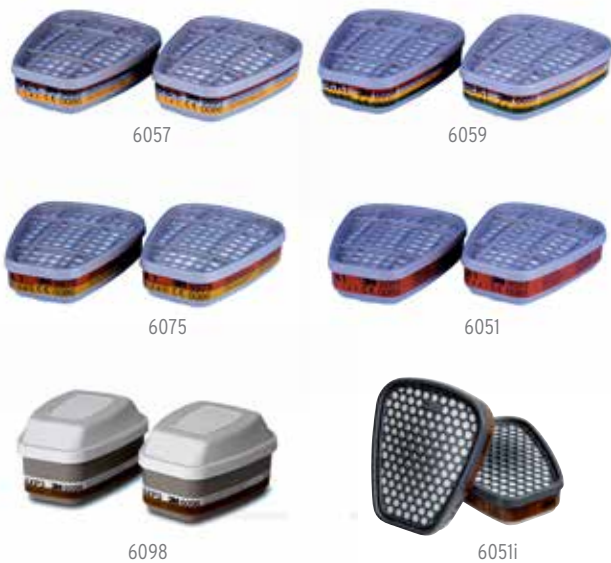
Model #	Description
RP 3M 6051	A1 Organic Vapour
RP 3M 6055	A2 Organic Vapour
RP 3M 6057	A1B1E1 Organic Vapour/Acid Gas Cartridge
RP 3M 6054	K1 Ammonia/Methylamine Cartridge
RP 3M 6075	A1 Formaldehyde Cartridge
RP 3M 6059	A1B1E1K1 Multi Gas Cartridge
RP 3M 6096	A1E1HgP3 Organic Vapour/Acid Gas/Mercury/Chlorine/Particulate Cartridge
RP 3M 60926	A1B1E1K1 FormHF/P3 Multi Gas/Particulate
RP 3M 6098	AXP3 Organic Vapour & Particulates. For use with Full Face mask only
RP 3M 6099	A2B2E2K2HgP3+Formaldehyde. For use with Full Face mask only
RP 3M 6051i	Organic Vapour Filter with Indicator, A1

3M™ Spraying/Painting Respirator Kit 6851 A1P2
*Not to be used when spraying isocyanate based paints

Model #	Description
RP 3M 6851S	Spraying/Painting - A1P2 Small
RP 3M 6851M	Spraying/Painting - A1P2 Medium
RP 3M 6851L	Spraying/Painting - A1P2 Large

3M™ Particulate Filters Series
- Made from 3M high performance filter media for effective filtration efficiency
- Lightweight and provides low breathing resistance
- Suitable for use with 3M™ 6000/7500 Series Half Face Respirators and 3M™ 6000/7000 and FF-400 Series Full Face respirators

2125   2128   2135   2138

6035   6038   5925   5935

501A   502   2076

Model #	Description
RP 3M 5925	P2 Particulate Filter
RP 3M 5935	P3** Particulate Filter
RP 3M 501A	Filter Retainer for 5925 Particulate Filter
RP 3M 502	Filter Adapters
RP 3M 6035	P2/P3** Particulate Rectangular White Filter
RP 3M 6038	P2/P3** Particulate Rectangular with Nuisance OV/AG
RP 3M 2125	P2 Particulate Disc Filter
RP 3M 2135	P2/P3** Particulate Disc Filter
RP 3M 2128	GP2 Particulate, Ozone & Nuisance Level OV/AG Disc Filter
RP 3M 2138	GP2/P3** Particulate, Ozone & Nuisance Level OV/AG Disc Filter
RP 3M 2076	P2HF Particulate & Hydrogen Fluoride Disc Filter

Pro2000 Series DIN Filters

52670

042870

042979

042674

042671

042799

Model #	Description
RP SCO 052670	Pro2000 Pf 10 P3**
RP SCO 042870	Pro2000 Gf 22 A2
RP SCO 042979	Pro2000 Gf 32 A2B2E2K2
RP SCO 042970	Pro2000 Gf 32 AX
RP SCO 042670	Pro2000 Cf 22 A2-P3**
RP SCO 042671	Pro2000 Cf 22 B2-P3**
RP SCO 042674	Pro2000 Cf 22 A2B2-P3**
RP SCO 042799	Pro2000 Cf 32 A2B2E2K2-P3**
RP SCO 042770	Pro2000 Cf 22 AX-P3** For use with Full Face mask only
RP SCO 042678	Pro2000 Cf 22 A2B2E1-P3**
RP SCO 042778	Pro2000 Cf 22 A1E1Hg-P3**
RP SCO 042568	Pro2000 Cf 32 A2B2E2K2-P3** Foil Bag. For use with Full Face mask only
RP SCO 042798	Pro2000 Cf 32 A2B2E2K2Hg-P3** For use with Full Face mask only
RP SCO 052692	Pre-Filter Kit For Pro2000 Filters
RP SCO 052693	Pro2000 Filter Covers Orange Polythylene
RP SCO 042507	Filter End Caps (1Pc)
RP SCO 5052694	Filter Shower Cover

**Provides P3 protection only with 3M Full Face Respirators. Provides P2 protection with half face piece respirators.

3M™ Secure-Click™ Cartridges and Filters

D8051 A1

D8055 A2

D8094 A1B1E1K1P3

D8059 A1B1E1K1

D8095 A2P3

D701

D3125 P2

D3135 P3

D3128 P2

D7925 P2

D7935 P3

D3138 P3

Model #	Description
RP 3M D3125	Secure Click™ Particulate Filter P2
RP 3M D3128	Secure Click™ Particulate Filter P2 with Nuisance Level OV/AG*
RP 3M D3135	Secure Click™ Particulate Filter P2/P3**
RP 3M D3138	Secure Click™ Particulate Filter P2/P3** with Nuisance Level OV/AG*
RP 3M D7925	Secure Click™ Particulate Filter P2
RP 3M D7935	Secure Click™ Particulate Filter P2/P3**
RP 3M D701	Secure Click™ Filter Retainer
RP 3M D8051	Secure Click™ Dual Flow Cartridge A1
RP 3M D8055	Secure Click™ Dual Flow Cartridge A2
RP 3M D8059	Secure Click™ Dual Flow Cartridge A1B1E1K1
RP 3M D8094	Secure Click™ Dual Flow Cartridge A1
RP 3M D8095	Secure Click™ Dual Flow Cartridge A2P3**
RP 3M HF-800-02	Secure Click™ Inhale and Exhale Valve
RP 3M HF-800-03	Secure Click™ Quantitative Fit Test Adaptor Kit
RP 3M HF-800-04	Secure Click™ Head Harness Assembly
RP 3M HF-800-05	Secure Click™ Speaking Diaphragm Assembly

Use with HF-800SD Half Face Respirator only
*Organic Vapour/Acid Gas. **Provides P3 protection only with 3M Full Face Respirators. Provides P2 protection with half face piece respirators.

Why is fit testing so important?

The biggest contributor to reduced respiratory protection is poor fit. Checking that a respirator, with a tight fitting facepiece provides an adequate seal to the wearer's face has long been considered best practice as part of a general Respiratory Protection Program.

Reflecting this, a fit test for wearers tight fitting facepieces is required for compliance to AS/NZS 1715:2009. Respirators with tight fitting facepieces include disposable respirators, half and full-face respirators, including those that form part of a powered or air-fed respirator.

Fit testing should be carried out:

- Before the respirator is issued
- On all wearers of respirators with tight fitting facepieces 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
- Annually or when specified by the company policy e.g. during a health surveillance check
- Fit testing is in addition to performing a self-fit check. Prior to entering the contaminated area, at each use, the wearer should carry out a self-fit check to test the respirator fit.

There are two main methods of fit testing available:

- Qualitative fit testing
- Quantitative fit testing

You can contact 3M for qualitative and quantitative fit testing advice. During both methods of testing, it is essential that the person is free from facial hair and other items that may interfere with the face seal.

Wearers with facial hair or stubble (even a day's growth) must not wear a respirator which has a tight fitting facepiece. All tests require a series of exercises to be performed during the fit test. Manufacturer's 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.

For more information on the requirements of Fit Testing, refer to the AS/NZS 1715:2009 & ISO 16975-3.

3M™ Qualitative Fit Test Kits

Conduct a fit test to ensure that a respirator with a tight fitting facepiece provides an adequate seal to the wearer's face.

The 3M Qualitative Fit Test apparatus FT-10 and FT-30 are designed for fit testing disposable respirators and half face reusable respirators fitted with particulate or combination gas/vapour and particulate filters.

Features and Benefits:

- Offers a fast and easy method for performing qualitative fit testing
- No calibration of equipment required
- No modification of facepiece required
- Training resources available, please contact your local 3M representative for more information
- Each kit contains a hood and collar assembly, two nebulisers, sensitivity solution, test solution and detailed instructions
- Replacement solutions and accessories can be purchased separately
- Available with Sweet (FT-10) or Bitter (FT-30) solutions

3M Order Code	Description
RP 3M FT-10	3M™ Qualitative Fit Test Apparatus Kit FT-10, Sweet (Saccharin)
RP 3M FT-11	3M™ Sensitivity Solution FT-11, Sweet (Saccharin)
RP 3M FT-12	3M™ Fit Test Solution FT-12, Sweet (Saccharin)
RP 3M FT-13	3M™ Fit Test Nebuliser FT-13
RP 3M FT-14	3M™ Fit Test Hood FT-14
RP 3M FT-30	3M™ Qualitative Fit Test Apparatus Kit FT-30, Bitter (Bitrex)
RP 3M FT-31	3M™ Sensitivity Solution FT-31, Bitter (Bitrex)
RP 3M FT-32	3M™ Fit Test Solution FT-32, Bitter (Bitrex)

Full Face Mask

Full face mask with excellent fit, high protection level, eye protection and very good breathing comfort for use in the toughest work environment.

The SR 200 full face mask is made of silicone and is produced in one size that will fit most face sizes. The mask is equipped with three inhalation valves and two exhalation valves, and the breathing resistance is therefore very low. The exhalation valve covers with baffles effectively protect the valves and membranes against dust and paint mist. The design and location of the exhalation valves improve the scope available for communicating. The material and pigments of the mask body are FDA- and BGA approved for exposure to provisions, which minimizes the risk of contact allergies.

The easily adjustable elastic head harness of the mask is secured to the visor frame and to the exhalation valves which, together with a large crown plate, contributes towards a comfortable and secure fit. Spherical visor with a very wide field of vision. The mask can be used either as a filtering device in combination with filters from the Sundström range of filters, or as breathing apparatus with a continuous air flow together with the SR 307 compressed air attachment.

The SR 200 can also be used as head top together with the Sundström fan unit SR 500 or SR 700. Holder for pre-filter is included.The SR 200 full face masks together with the SR 500 EX fan are approved for use in a potentially explosive atmosphere. Best stored in box SR 344 alternatively storage bag SR 339-1 or SR 339-2.

SR 200
FULL FACE MASK
RP SEA 200 Full face mask PC
RP SEA 200G-R Full face mask glass

Remote Filter

Remote filter for connection gives greater freedom of movement and enables use of face shield.

The SR 905 is a remote filter holder that, together with half mask SR 900 and breathing hose SR 951 or SR 952, is included in the Sundström respiratory protective device systems conforming to EN 12083. The remote filter holder is to be equipped with filter(s). The air is inhaled through the filter and breathing hose to the half mask. The SR 905 is intended to be used in the same environments as a Sundström half mask SR 900. This gives you greater freedom of movement, less weight, and the half mask will be smaller to its size, which makes it possible to use under visors. Filters to the SR 905 is the same approved filters from Sundström filter range that is used together with half mask SR 900. The belt attachment mounts in the users own belt. Other belt options are available as accessories.

SR 905
Remote filter holder
Incl. Belt attachment

ART NO T01-3002

SR 905
Remote filter holder
+ 952 twin hose
art no H01-3412

Complete Remote filter holder with leather belt and twin hose for use with half mask SR 900. Includes also hose protection and spark protection.

Half Face Mask

All half masks with excellent fit, high protection level and very good breathing comfort for use in most work environments.

SR 100
HALF MASK IN THREE SIZES
RP SEA 100S/M
RP SEA 100M/L
RP SEA 100L/XL

The SR 100 half mask is made of silicone in three sizes, i.e. S/M, M/L and L/XL. The mask is equipped with two exhalation valves, which ensures very low exhalation resistance. The valve covers with partitions effectively protect the exhalation membrane against dust and paint mist. The material and pigment of the mask body are approved by FDA and BGA for foods, which minimizes the risk of contact allergies. The easily adjustable elastic head harness straps of the mask are designed as a V-shaped loop and have a large dished crown plate, which contributes towards a comfortable and safe fit. The mask is used either as a filtering device in combination with filters from the Sundström range, or in combination with the SR 307 compressed air attachment which then serves as a breathing apparatus with continuous flow for connection to a compressed air supply. A pre-filter holder is supplied. Best stored in box SR 230 or storage bag SR 339.

SR 900
HALF MASK IN THREE SIZES
SR 900 Small   RP SEA 900/s
SR 900 Medium   RP SEA 900/m
SR 900 Large   RP SEA 900/l

The SR 900 half mask is made of thermoplastic elastomer (TPE) and polypropylene (PP) in three sizes, S, M and L.
The mask is equipped with two exhalation valves, which ensures very low exhalation resistance. The valve covers with partitions effectively protect the exhalation membrane against dust and paint mist. The material and pigment of the mask body are approved by FDA for foods, which minimizes the risk of contact allergies.
The easily adjustable elastic head harness straps of the mask are designed as a V-shaped loop and have a large dished crown plate, which contributes towards a comfortable and safe fit. The half mask SR 900 is used in combination with:

- Filters from the Sundström range
- Remote filter holder SR 905 according EN 12083
- The SR 307 or SR 507 compressed air attachment which then serves as a breathing apparatus with continuous flow for connection to a compressed air supply according EN 14594
- The fan unit SR 500 or SR 700 and approved filters included in the Sundström fan-assisted respiratory protective device system conforming to EN 12942
- A pre-filter holder is supplied
- Best stored in box SR 230 or storage bag SR 339

SR 5226
cleaning wipes
50p   RP SEA 170-00010

Information

For more information on our range of Respiratory Protection, or to place an order contact IPP on **08 9330 6355** or visit **www.ippwa.com.au**

Industrial Protective Products (WA)
Supporting Better Products

READY-TO-GO-KITS

A complete respiratory protection kit with a convenient and individual storage box.

BASIC KIT 217
RP SEA171-06152
Contents
1 Half mask SR 900
1 Particle filter SR 510 P3 R
1 Gas filter SR 217 A1
5 Pre-filter SR 221
1 Pre-filter holder
1 Cleaning wipe
1 Instructions with
    maintenance information

BASIC KIT 297
RP SEA171-06153
Contents
1 Half mask SR 900
1 Particle filter SR 510 P3 R
1 Gas filter SR 297 ABEK1
5 Pre-filter SR 221
1 Pre-filter holder
1 Cleaning wipe
1 Instructions with
    maintenance information

PRO KIT
M/L RP SEA171-05465
S/M A RP SEA171-05466
Contents
1 SR 100 Half mask
1 Particle filter SR 510 P3 R
1 Gas filter SR 315 ABE1
5 Pre-filter SR 221
1 Pre-filter holder
1 Cleaning wipe
1 Instructions with
    maintenance information

Asbestos KIT
L//XL RP SEA171-05481
M/L RP SEA171-05482
S/M RP SEA171-05479
Contents
1 SR 100 Half mask
1 Particle filter SR 510 P3 R
5 Pre-filter SR 221
1 Pre-filter holder
1 Cleaning wipe
1 Instructions with
    maintenance information

SILICA DUST RESPIRATOR KIT
L//XL RP SEA171-06210
M/L RP SEA171-06211
S/M RP SEA171-06212
Contents
1 SR 100 Half mask
1 Particle filter SR 510 P3 R
5 Pre-filter SR 221
1 Pre-filter holder
1 Cleaning wipe
1 Instructions with
    maintenance information

Filters

Sundström Safety have a range of gas filters, particle filter and combined filter. Choose a suitable filter for your work and environment. The gas filter can easily be combined with a particle filter for protection from both gases and particles.

PARTICLE FILTERS

for half and full face masks are divided into three classes depending on how effectively they can separate dust, mist and aerosols.
Colour code - white.

Color code

A highly efficient filter such as the SR 510 P3 R offers protection against all types of particles such as dust, fume, fog, spray, asbestos even bacteria, viruses and radioactive dust. A higher class also covers the lower ones, i.e. P3 covers both P1 and P2. The filters are replaced when the particle filter leads to increased breathing resistance. Particle filters offer protection only against particles.

Protection Classes with respect to efficiency
(EN 143)   (NaCl and paraffin oil)

P1 R/NR	solid and wet particles	80 %w
P2 R/NR	solid and wet particles	94 %
P3 R/NR	solid and wet particles	99,95 %

"R" after the class means that the particle filter can be reused.
"NR" after the class means that the particle filter must not be used for more than one shift.

COMBINATION FILTERS

Combination filters are used when gases/vapours occur simultaneously with particles, e.g. in high-pressure cleaning, spray painting, heating substances or gas condensation. Select an appropriate gas filter and combine it with a particle filter by simply pressing them together or use filters with a fixed gas and particle filter in one.

GAS FILTERS

for half and full masks are divided into three classes on the basis of their capacity and test concentration.

Filter Class   Tested in concentrations
(EN 14387)

1	0,1 percent by volume = 1000 ppm
2	0,5 percent by volume = 5000 ppm
3	1,0 percent by volume = 10000 ppm

ppm=parts per milion

Filter type	Protects against	Color code
A	Organic gases/vapours with a boiling point above 65ºC, e.g. solvent naphtha, toluene, styrene and xylene	(brown)
B	Inorganic gases/vapours such as chlorine, hydrogen cyanide and hydrogen sulphide	(grey)
E	Acidic gases/vapours such as sulphur dioxide and formic acid	(yellow)
K	Ammonia and certain amines	(green)
AX	Organic gases and vapours with a boiling point below 65ºC, such as acetone, methanol and dichloromethane	(brown)
HG-P3	Mercury	

Gas filters afford protection only against gases.

Filters for half and full face mask

RP SEA 217
GAS FILTER
art no H02-2509

Gas filter SR 217, Class 1 are
designed for use with Sundström
half masks and full face masks.
The filter are of type A and provide
protection against organic gases and vapours,
such as solvents, with boiling points > +65 °C.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during spray painting.

RP SEA 316
GAS FILTER
art no H02-4212

Gas filter SR 316, Class 1
are designed for use with
Sundström half masks and full face masks.
The filter are of type K and provide protection against ammonia
and certain amines, such as ethylene diamine.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during high-pressure washing.

RP SEA 315
GAS FILTER
art no H02-3209

Gas filter SR 315 Class 1 are
designed for use with Sundström
half masks and full face masks. The
filter are of type ABE and provide
protection against the following
types of gases and vapours:
Type A protects against organic gases and vapours, such as solvents, with
boiling points > +65 °C.
Type B protects against inorganic gases and vapours, such as chlorine,
hydrogen sulphide and hydrogen cyanide.
Type E protects against acidic gases and vapours, such as sulphur dioxide and
hydrogen fluoride.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during spray painting.

RP SEA 297
GAS FILTER
art no H02-5309

Gas filter SR 297, Class 1, is designed for use together with Sundström half
masks and full face masks. The filter is of type ABEK and provides protection
against the following types of gases and vapours:
Type A protects against organic gases and vapours, such as solvents, with
boiling points > +65 °C.
Type B protects against inorganic gases and vapours, such as chlorine,
hydrogen sulphide and hydrogen cyanide.
Type E protects against acidic gases and vapours, such as sulphur dioxide and
hydrogen fluoride.
Type K protects against ammonia and certain amines, such as ethylene diamine.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during spray painting.

RP SEA 218-2
GAS FILTER
art no H02-2009

Gas filter SR 218 Class 2, are
designed for use with Sundström
half masks and full face masks.
The filter are of type A and provide
protection against organic gases and vapours,
such as solvents, with boiling points > +65 °C.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during spray painting.

RP SEA 295
GAS FILTER
art no H02-4312

Gas filter SR 295 Class 2 are
designed for use with Sundström
half masks and full face masks.
The filter are of type K and provide
protection against ammonia and certain amines,
such as ethylene diamine. The gas filter can easily be combined with
particle filter SR 510 P3 R in order to obtain protection also against aerosols
(particles), e.g. during high-pressure washing.

RP SEA 294
GAS FILTER
art no H02-3312

Gas filter SR 294, Class 2, are
designed for use with Sundström
half masks and full face masks.
The filter are of type ABE and
provide protection against the following
types of gases and vapours:
Type A protects against organic gases and vapours, such as solvents, with
boiling points > +65 °C.
Type B protects against inorganic gases and vapours, such as chlorine,
hydrogen sulphide and hydrogen cyanide.
Type E protects against acidic gases and vapours, such as sulphur dioxide
and hydrogen fluoride.
The gas filter can easily be combined with particle filter SR 510 P3 R
in order to obtain protection also against aerosols (particles),
e.g. during spray painting.

RP SEA 299-2
COMBINED FILTER
art no H02-6512

The SR 299-2 is a combined filter
consisting of a Class 1 gas filter and
Class 3 particle filter. The filter is
designed for use in Sundström full
face masks and half masks. The filter
is of type ABEK1-Hg-P3 R and provides
protection against the following types of
gases, vapours and particles:
Type A protects against organic gases and vapours, such as solvents,
with boiling points > +65 °C.
Type B protects against inorganic gases and vapours, such as chlorine,
 hydrogen sulphide and hydrogen cyanide.
Type E protects against acidic gases and vapours, such as sulphur dioxide
and hydrogen fluoride.
Type K protects against ammonia and certain amines, such as ethylene
diamine.
Type Hg protects against mercury vapour. Warning. Maximum use time 50
hours.
Type P3 R* protects against all types of particulate pollutants, e.g. dust, mist
and smoke.
* R (Re-useable): The filter is intended to be used for more than a single shift.

RP SEA 298
GAS FILTER
art no H02-2412

Gas filter SR 298 is designed for use with Sundström half masks
and full face masks. The filter is of type AX and provides protection against organic gases and vapours, such as solvents, with boiling points ÷ +65 °C. The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

Filters for half and full face mask and fan units

RP SEA 221
PRE-FILTER
art no H02-0312

Pre-filter SR 221 is a disc that is meant to catch coarse particles and by that extend the lifetime of the particle filters SR 510 P3 R and SR 710 P3 R, combined filter SR 299-2 ABEK1-Hg-P3 R and SR 599 A1BE2K1-Hg-P3 R. The pre-filter is placed in the pre-filter holder and then snapped on to the particle filter or combined filter.

RP SEA 510
PARTICLE FILTER
art no H02-1309

This mechanical filter protects against all types of particles (dust, fume, fog, spray, asbestos), even bacteria, viruses and radioactive dust. The filter separates 99,997% of the pollution in the air. That means that the air is 33.000 times cleaner on the backside of the filtermedia than in the front (the standard requres 2000 times cleaner air). A new feature is the increased filterarea to 1300 cm2. It gives the filter an extremely low breathing resistans, in case 70% lower than the standard requires. This filter also fits on all Sundström filter respirator products.

Dräger Bayonet Particle, Gas and Combination filters
The innovative Dräger X-plore® Bayonet filter series is designed for a wide range of applications. It combines modern design with low breathing resistance. With the bayonet filter is positioned on the side of the respirator mask, the wearer has a wide, uninterrupted field of vision.
Broad filter range - The X-plore Bayonet filter series offers various filter types for major applications and protects against many hazardous substances. Rugged plastic housing with added waterproofness.
Low breathing resistance due innovative construction and special constructed air intake.

Model #	Description
RP DRA 6738874	Combination Bayonet Filter A1 P3 R D
RP DRA 6738875	Combination Bayonet Filter A2 P3 R D
RP DRA 6738776	Combination Bayonet Filter A2B2 P3 R D
RP DRA 6738817	Combination Bayonet Filter A1B1E1K1 Hg P3 R D
RP DRA 6738819	Combination Bayonet Filter A2B2E2K2 Hg P3 R D
RP DRA 6738872	Gas filter Bayonet A1 Filter
RP DRA 6738873	Gas filter Bayonet A2 Filter
RP DRA 6738775	Gas filter Bayonet A2B2 Filter
RP DRA 6738778	Gas filter Bayonet A1B1E1 Filter
RP DRA 6738816	Gas filter Bayonet A1B1E1K1 Filter
RP DRA 6738001	Gas filter Bayonet Pad P1 NR
RP DRA 6738002	Gas filter Bayonet Pad P2 R
RP DRA 6738353	Particle filter Bayonet Pure P2 Filter R
RP DRA 6738354	Particle filter Bayonet Pure P3 Filter R
RP DRA 6738391	Particle filter Bayonet Pure Odour P3 Filter R
RP DRA 6738011	Bayonet P3 Plastic Housed Filter R

Dräger X-plore® 3500 Half Mask
The Dräger X-plore® 3500 delivers long lasting protection under tough conditions. A perfect combination: modern design and light weight offer you extra protection and comfort. Certified to AS/NZS 1716:2012
- Skin friendly soft material and cascade-shaped nose bridge for low pressure on face & long wearing comfort
- Large inhalation and exhalation port for breathing at low resistance
- Easily adjustable FlexiFit head harness
- The low profile Bayonet Filters ensure an excellent field of vision and avoid incorrect placement of filters
- Versatile use with a good range of filters for all application

Dräger X-plore® 5500 Full Face Mask
The Dräger X-plore® 5500 full face mask is the right solution for environments where not only increased respiratory protection is required, but also a clear vision is mandatory. Certified to AS/NZS 1716:2012
- Excellent field of vision, high chemical, thermal and mechanical resistance
- Low profile design of the filters provides an unobstructed wide field of vision
- Double-layer face seal ensures a secure seal and the highest level of protection
- The 5-point head harness allows quick and easy donning and doffing without hair entanglement
- Ethylene Propylene Diene Monomer (EPDM) mask body offers excellent chemical and temperature resistance
- Versatile use with a good range of filters for all applications

Model #	Description
RP DRA R55351	Dräger X-plore® 3500 Half Mask Small
RP DRA R55350	Dräger X-plore® 3500 Half Mask Medium
RP DRA R55352	Dräger X-plore® 3500 Half Mask Large

Model #	Description
RP DRA R55270	Dräger X-plore® 5500 Full Face Mask

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Dräger X-plore® 6300 EPDM RA Full face mask

The Dräger X-plore® 6300 meets stringent requirements with regard to reliability, secure fit and comfort. An economical full face mask for professional use in industry. Certified to AS/NZS 1716:2012

- Ethylene Propylene Diene Monomer (EPDM) mask body offers excellent chemical and temperature resistance
- Double-layer face seal ensures a secure seal for every type of face, and provides the highest level of protection
- Distortion-free visor made from PMMA plexiglass with 180°-angle and wide view
- The 5-point head harness allows quick and easy donning and doffing without hair entanglement
- Standard thread connection for Rd40 filters. Versatile use with a extensive range of filters for all applications
- Inbuilt speech diaphragm for distortion-free vocal communication

Model #	Description
RP DRA R55351	Dräger X-plore® 3500 Half Mask Small

Dräger X-plore® 6530 Full Face Mask

Especially durable with wide panoramic view: Dräger X-plore® 6530 is an exceptional full face mask for professional use in the most versatile applications. Certified to AS/NZS 1716:2012

- Ethylene Propylene Diene Monomer (EPDM) mask body offers excellent chemical and temperature resistance
- Double-layer face seal ensures a secure seal for every type of face, and provides the highest level of protection
- Distortion-free visor made from impact proof polycarbonate (PC) visor with 180°-angle and wide view
- The 5-point head harness allows quick and easy donning and doffing without hair entanglement
- Standard thread connection for Rd40 filters. Versatile use with a extensive range of filters for all applications.
- Inbuilt speech diaphragm for distortion-free vocal communication

Model #	Description
RP DRA R55795	Dräger X-plore® 6530 EPDM Full face mask with PC visor and plastic frame
RP DRA R51525	Dräger X-plore® 6530 EPDM Full face mask with PC visor and stainless steel frame
RP DRA R55810	Dräger X-plore® 6530 EPDM Full face mask with triplex visor and stainless steel frame
RP DRA R55790	Dräger X-plore® 6570 Silicone FF mask with PC visor and plastic frame
RP DRA R51535	Dräger X-plore® 6570 Silicone FF mask with PC visor and stainless steel frame
RP DRA R55850	Dräger X-plore® 6570 Silicone FF mask with triplex visor and stainless steel frame

Dräger RD40 canister Particle, Gas and Combination filters

Broad filter range - The X-plore Rd40 filter series offers various filter types for major applications and protects against many hazardous substances – from phosphine to tear gas to particulates.Aluminium housing ensures that any damage to the filter is easily detected, therefore providing extra security

Model #	Description
RP DRA 6738857	Combination Filter A2 P2 R D
RP DRA 6738860	Combination Filter A2 P3 R D
RP DRA 6738780	Combination Filter A2B2 P2 R D
RP DRA 6738783	Combination Filter A2B2 P3 R D
RP DRA 6738862	Combination Filter AX P3 R D
RP DRA 6738858	Combination Filter K2 P2 R D
RP DRA 6738803	Combination Filter A2B2E2K1 P2 R D
RP DRA 6738815	Combination Filter A2B2E2K1 Hg P3 R D
RP DRA 6738801	Combination Filter A1B2E2K1 Hg NO CO 20 P3 R D

Model #	Description
RP DRA 6738814	Combination Filter A2B2E2K2 Hg NO CO 20 P3 R D
RP DRA 6738855	Gas Filter A2
RP DRA 6738779	Gas Filter A2B2
RP DRA 6738863	Gas Filter AX
RP DRA 6738782	Gas Filter AXB2
RP DRA 6738856	Gas Filter K2
RP DRA 6738802	Gas Filter A2B2E2K1
RP DRA 6738804	Gas Filter A2B2E2K2*
RP DRA 6738932	P3 Filter

IPP Industrial Protective Products (WA)
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7800 PREMIUM SILICONE HALF MASK

The 7800 Premium Silicone Half Mask has higher resistance to heat and compression, with all the enhanced comfort and durability of silicone. Moldex designed the 7000 half mask and 9000 full face series to be the most user friendly respirators on the market. The streamlined 7000/9000 feature fewer parts, minimal maintenance, and a wider field of vision.

7000/7800/9000 APPLICATIONS

Full range of gas/vapour cartridges for these common applications and environments

Foundries, paper, pesticides, wood products, printing, pharmaceuticals, agriculture, tobacco, mining, petrochemical, aluminum processing, textiles, glass, chemical manufacturing, paint, laboratories, utilities, cement, fiberglass, coal, fertilizer, petroleum refining, oil or water-based paints, electroplating, embalming, rendering, adhesives, construction, automotive, food processing, agriculture, mining, transportation industries, ship/boat building, health services, furniture manufacturing, primary and fabricated metal.

Common applications and environments for 7940 P2/P3 filter and 7990 P2/P3 cartridge

For contaminants where a substance specific standard applies (asbestos, lead, cadmium, inorganic arsenic, MDA) requiring a filter as well as pharmaceutical, battery, nuclear, welding, metal processing.

Common applications and environments for P2 filters
Welding, grinding, machining, bagging, buffing, cement, metal working, dusty environments, foundry, mining, poultry, sanding, wood, furniture, textiles, waste processing.

They are both ultra-light weight, durable, and economical, so maximum comfort with extended use is built-in. The award-winning 7000/9000 series add up to simple, comfortable, and economical respiratory protection that's just plain EASY TO WEAR.

7000/7800 FEATURES

Low profile, angled cartridge placement for wider field of vision

Contoured neck buckles for comfort and quick attachment

Compact, fits under welding helmets

Wide flange fits more facial shapes comfortably
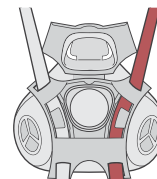
Attached exhale cover for easy inspection

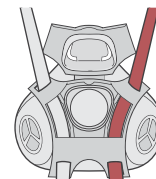Easy mount bayonet cartridge/filter attachment

The versatile 7000/7800 has optional drop down/lock down strap modes

7000/7800 in Drop Down Mode

Lock down mode

Drop down mode

The 7000, 7800 and 9000 share a full line of cartridges and filters

7000 AND 7800 KITS
PAINT SPRAY / PESTICIDE – A1P2

Paint Spray
Pesticide Manufacture and Application
Chemical Handling
Foundry Operations
Agriculture
Mining

Gluing, spraying, de-greasing, dry cleaning, fibre glassing, gel coating, flour bleaching, painting, printing, carpet installation, organic solvents, pesticide spraying, refineries, body shop

	Small	Medium	Large
7000 Series	RP MX 70111A	RP MX 70112A	RP MX 70113A
7800 Series	RP MX 78011A	RP MX 78012A	RP MX 78013A

FINE DUST PARTICULATE AND ASBESTOS (NON FRIABLE) – P2/P3

Asbestos
Silica (not sand blasting)
Inorganic Arsenic
Lead
Sweeping
Pharmaceutical Manufacturing

Asbestos removal, silica dust, bagging, celluose (paper dust), coal dust, concrete dust, construction, corn starch, cutting, drilling, floor sanding dust, foundry, glass wool, grinding, lead dust, manganese dust, metal fume, milling, mist particulate, mould remedial work, packhouse dust, building insulation, plaster of paris, poultry dander, sanding, sodium hydroxide (caustic soda), stone quarry, wood dust

	Small	Medium	Large
7000 Series	RP MX 70941A	RP MX 70942A	RP MX 70943A
7800 Series	RP MX 78941A	RP MX 78942A	RP MX 78943A

MULTI-GAS / VAPOUR –A1B1E1K1

Ammonia
Chlorine
Hydrogen Chloride
Sulfur Dioxide
Formaldehyde
Solvents (boiling points >65°C)

Chlorine/sterilization of water; chemical manufacture; hydrogen chloride/ chlorinated organic chemical manufacture, steel pickling, SO2 casting metals, bleach manufacture, manufacture of sulfuric acid, fertilizer manufacture, metal cleaning, petroleum refining, NH3/refrigeration, explosives, low boiling point amines. de-greasing, paint vapour, electroplating, etching, printing, textiles, waste processing, aircraft maintenance, refineries

	Small	Medium	Large
7000 Series	RP MX 70601A	RP MX 70602A	RP MX 70603A
7800 Series	RP MX 78061A	RP MX 78062A	RP MX 78063A

WELDING PARTICULATE + NUISANCE OV – P2/P3

Welding
Diesel Particulate Matter (DPM)
Metal Machining/Grinding
Waste Processing/ Recycling
Torch Cutting
Aluminum Processing

Brazing, dry pesticides, fine dusts, fertilizers, foundry, fume, grinding, lead dust, lime dust, metal fume, metal machining, mist particulate, nuisance organic, ozone protection, panel beating, polishing, sanding, smelting, soldering, textiles, torch cutting, waste recycling, welding fume

	Small	Medium	Large
7000 Series	RP MX 70961A	RP MX 70962A	RP MX 70963A
7800 Series	RP MX 78961A	RP MX 78962A	RP MX 78963A

9000 FEATURES

Stand away head harness for easy donning

Lens with scratch resistant coating meets AS 1337 for impact protection. Tear away lens protector included.

Completely free of metal parts

Over-molded flange to lens. Eliminates heavy metal clamping frame for less weight and fewer parts

Panoramic lens with peripheral vision side panels

Lightest weight facepiece of any popular model

Over-molded buckles for secure strap attachment - one finger strap release

Easy mount bayonet cartridge/filter attachment

Integrated exhale area with attached cover. Fewer parts, simple maintenance and inspection.

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7000/7800/9000 APPROVED respirator COMBINATIONS

7000 Facepiece
RP MX 7001 Small
RP MX 7002 Medium
RP MX 7003 Large

7800 Silicone Facepiece
RP MX 7801 Small
RP MX 7802 Medium
RP MX 7803 Large

Gas/Vapour and Particulate

Cartridges
RP MX 7100A Organic Vapours - A1
RP MX 9100A Organic Vapours - A2
RP MX 7600A Multi-Gas/Vapour Smart® Cartridge - A1B1E1K1
RP MX 7990A P2/P3 Particulates - HEPA*

*P2 protection when worn with the 7000 half mask
 P3 protection when worn with the 9000 full facepiece

9000 Facepiece
RP MX 9001 Small
RP MX 9002 Medium
RP MX 9003 Large

Cartridge

Cartridge

Cartridge
Pre-Filter
Pre-Filter Retainer

Gas/Vapour with Pre-Filters

Cartridges
RP MX 7100A Organic Vapours - A1
RP MX 9100A Organic Vapours - A2
RP MX 7600A Multi-Gas/Vapour Smart® Cartridge - A1B1E1K1

Pre-Filters/Accessories
RP MX 8010A P2 Pre-Filter
RP MX 7020   Pre-Filter Retainer

Cartridge
Pre-Filter
Pre-Filter Retainer

Cartridge
Piggyback Adapter
Filter Disk

Gas/Vapour with Piggyback P2/P3 Filter Disks

Cartridges
RP MX 7100A Organic Vapours - A1
RP MX 9100A Organic Vapours - A2
RP MX 7600A Multi-Gas/Vapour Smart® Cartridge - A1B1E1K1
RP MX 9640A Multi-Gas/Vapour Smart®/P3 Combo Cartridge - A2B2E2K2P▲

Pre-Filters/Accessories
7940A P2/P3 Particulate Filter Disk*
7920 Piggyback Adapter
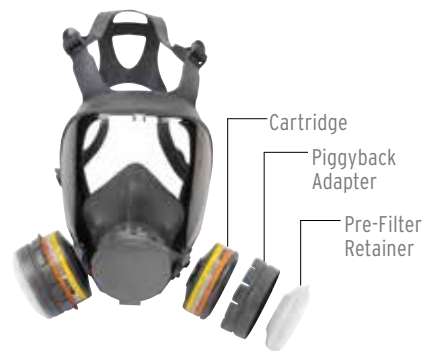
*P2 protection when worn with the 7000 half mask.
 P3 protection when worn with the 9000 full facepiece.
 ▲9640A for use only with 9000 series full face respirators.

Cartridge
Piggyback Adapter
Pre-Filter Retainer

Filter Disk

Particulate Stand Alone Filters

Filter Disks
RP MX 7940A P2/P3 Particulate Filter Disk*
RP MX 7960A P2/P3 Particulate Filter Disk plus Nuisance OV*

*P2 protection when worn with the 7000 half mask
 P3 protection when worn with the 9000 full facepiece

Filter Disk

FACEPIECES, CARTRIDGES, FILTERS & ACCESSORIES

7000/7800/9000 Gas/Vapour and Filter Cartridges

*P2 protection when worn with the 7000 half mask.

P3 protection when worn with the 9000 full facepiece.

- 7100A Organic Vapours - A1
- 9100A Organic Vapours - A2
- 7600A Multi-Gas/Vapour Smart® Cartridge - A1B1E1K1
- 9640A Multi-Gas/Vapour Smart®/P3 Combo Cartridge - A2B2E2K2P3▲
- 7990A P2/P3 Particulates - HEPA*

7000/7800/9000 Particulate Filters

Use 8010A P2 Pre-Filter with the 7020 Pre-Filter Retainer with any Gas/Vapour Cartridge. Use the 7940A P2/P3 Filter Disk or 7960A P2/P3 Filter Disk plus Nuisance OV as a stand alone filter or use the 7940A with the 7920A Piggyback Adapter with any Gas/Vapour Cartridge.

8010A P2 Filter

7940A P2/P3 Filter Disk

7960A P2/P3 Filter Disk Plus Nuisance Organic Vapours

7000/7800/9000 Replacement Parts

7000/7800 Replacement Parts:
0072 Head Harness Assembly
0073 Diaphragm Kit
0074 Gasket Kit

9000 Replacement Parts:
0073 Diaphragm Kit
0074 Gasket Kit
0092 Head Harness
0093 Face Shield Protectors
0094 Medium/Large Nose Cup Assembly
0095 Small Nose Cup Assembly
0098 Spectacle Kit

7020 Pre-Filter Retainer

0093 Face Shield Protectors

7920 Piggyback Adaptor

0098 Spectacle Kit

9780 7000/7800/9000 Reusable Respirator Bag

| | 7000 | 7800 | 9000 |

Product Code	Description	Display Quantity	Case Quantity
7000 Half-Mask Facepiece			
RP MX 7001	7000 Half Mask, Small	1 / Bag	12 Bags
RP MX 7002	7000 Half Mask, Medium	1 / Bag	12 Bags
RP MX 7003	7000 Half Mask, Large	1 / Bag	12 Bags
7800 Series Premium Silicone Half Mask Facepiece			
RP MX 7801	7800 Silicone Half Mask, Small	1 / Bag	12 Bags
RP MX 7802	7800 Silicone Half Mask, Medium	1 / Bag	12 Bags
RP MX 7803	7800 Silicone Half Mask, Large	1 / Bag	12 Bags
9000 Full Facepiece			
RP MX 9001	9000 Full Facepiece, Small	1 / Box	2 Boxes
RP MX 9002	9000 Full Facepiece, Medium	1 / Box	2 Boxes
RP MX 9003	9000 Full Facepiece, Large	1 / Box	2 Boxes
Gas/Vapor Cartridges			
RP MX 7100A	Organic Vapours - A1	1 Pair / Bag	30 Bags
RP MX 9100A	Organic Vapours - A2	1 Pair / Bag	30 Bags
RP MX 7600A	Multi-Gas/Vapour Smart® Cartridge A1B1E1K1	1 Pair / Bag	30 Bags
RP MX 9640A	Multi-Gas/Vapour Smart®/P3 Combo Cartridge - A2B2E2K2P3▲	1 Pair / Bag	10 Bags
RP MX 7990A	P2/P3 Particulates - HEPA*	1 Pair / Bag	30 Bags
Particulate Filters and Retainers			
*RP MX 8010A	P2 Particulate Filter	5 Pair / Bag	10 Bags
RP MX 7940A	P2/P3 Filter Disk	1 Pair / Bag	30 Bags
RP MX 7960A	P2/P3 Filter Disk with Nuisance OV	1 Pair / Bag	30 Bags
RP MX 7020	Pre-Filter Retainer	1 Pair / Bag	50 Bags
RP MX 7920	Piggyback Adapter	1 Pair / Bag	30 Bags
Accessories and Replacement Parts			
RP MX 0072	7000 Head Strap Assembly	1 / Bag	20 Bags
RP MX 0073	Diaphragms (7000/7800/9000)	20 Inhale 5 Exhale	1 Kit
RP MX 0092	9000 Head Harness	1 / Bag	5 Bags
RP MX 0093	9000 Faceshield Protector	15 / Bag	1 Bag
RP MX 0094	9000 M/L Nose Cup	1 / Box	5 Boxes
RP MX 0095	9000 S Nose Cup	1 / Box	5 Boxes
RP MX 0098	9000 Series Spectacle Kit	1 / Box	1 Box
RP MX 7006	Probed Cartridge Kit (7000/7800/9000)	1 Kit	1 Kit
RP MX 9780	Gaskets (7000/7800/9000)	1 / Bag	20 Bags

*RP MX 8010A can be used with 7000, 7800, 8000 and 9000 series respirators.

▲RP MX 9640A for use only with 9000 series full face respirators.

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8000 PRE-ASSEMBLED RESPIRATORS

8000 APPROVED RESPIRATOR COMBINATIONS

Organic Vapours
Approved for A1.
Includes 8000 Series facepiece and 8100A Organic Vapour Cartridges.

Cartridge

Gas/Vapour and Particulate

Cartridges
RP MX 8100A Organic Vapours - A1
RP MX 8600A Multi-Gas/Vapour Smart Cartridge -
A1, B1, E1, K1
RP MX 8030A P2/P3 Particulates - HEPA*

RP MX 8102A Medium
RP MX 8103A Large

Paint Spray/Pesticides
Approved for A1/P2
For oil-free paint sprays and pesticides.
Includes 8000 Series facepiece, 8100A Organic Vapour Cartridges,
8010A P2 Pre-Filters and 8020 Pre-Filter Retainers.

Cartridge
Particulate Filter
Pre-Filter Retainer

Gas/Vapour with Pre-Filters

Cartridges
8100A Organic Vapours - A1
8600A Multi-Gas/Vapour Smart Cartridge -A1, B1, E1, K1

Particulate Filter/Accessories
RP MX 8010A P2 Particulate Pre-Filter
RP MX 8020 Pre-Filter Retainer

RP MX 8111AN Small
RP MX 8112AN Medium
RP MX 8113AN Large

Multi-Gas/Vapour Smart® Cartridges
Approved for A1, B1, E1, K1.
Includes 8000 Series facepiece and 8600A Multi-Gas/
Vapour Smart Cartridges.

Cartridge
Piggyback Adapter
Filter
Piggyback Adapter

Gas/Vapour with Piggyback P2/P3 Filter Disks

Cartridges
RP MX 8100A Organic Vapours - A1
RP MX 8600A Multi-Gas/Vapour Smart Cartridge -
A1, B1, E1, K1

Filter Disk/Accessories
RP MX 8830A P2/P3 Particulate Filter*
RP MX 8920 Piggyback Adapter

RP MX 8601A Small
RP MX 8602A Medium
RP MX 8603A Large

*P2 protection when worn with the 8000 half mask.

P2 Particulate
Approved for P2.
Includes 8000 Series facepiece, 8830A P2/P3 Filter and
8900A Filter/Disk Holder.*

Filter/Disk Holder
Particulate Filter
Filter/Disk Holder

Particulate Stand Alone Filters

Filter Disk
RP MX 8830A P2/P3 Particulate Filter*
RP MX 8010A P2 Particulate Filter
RP MX 8750A P2 Particulate Filter with Nuisance OV

Accessories
RP MX 8900 Filter/Disk Holder

*P2 protection when worn with the 8000 half mask.

RP MX 8832A
RP MX 8833A

P2 Particulate w/ 8030A P2/P3 Cartridge Filter (Image not shown)
P2 Particulate Welding w/ 8750A P2
Nuisance Ozone/Organic Vapour Filter Disk (Image not shown)

FACEPIECES, CARTRIDGES, FILTERS & ACCESSORIES

8000 Facepiece

- Extra-wide sealing surface for comfort and fit.
- Low maintenance because there are no gaskets or yoke to replace.
- Easy drop down strap assembly.
- Low profile for a wide field of vision.

8000 Gas/Vapour and Filter Cartridges with inhale valve

- New inhalation valve with each cartridge

- 8100A Organic Vapours - A1
- 8600A Multi-Gas/Vapour Smart Cartridge - A1, B1, E1, K1
- 8030A P2/P3* Particulates - HEPA

*P2 protection when worn with the 8000 half mask.

8000 Particulate Filters

- Use 8010A P2 Filter together with the 8020 Pre-filter Retainer as a pre-filter with any Gas/Vapour cartridge or as a stand-alone filter with the 8900 Filter/Disk Holder.
- Use the 8830A P2/P3* Filter as a stand-alone filter with the 8900 Filter/Disk Holder or piggyback with a cartridge with the 8920 Piggyback Adapter.

8010A P2 Filter

8750A P2 with Nuisance Ozone/OV (only for use as standalone with 8900)

8830A P2/P3* Filter

*P2 protection when worn with the 8000 half mask.

8000 Retainers and Replacement Parts

8020 Filter Retaine

8900 Filter/Disk Holder

8920 Piggyback Adapter

0082 Head Strap Assembly

0083 Exhale Valve Assembly

9780 7000/7800/9000 Reusable Respirator Bag

*8010A, 87850A, and 8830A can be used with 7000, 8000 and 9000 series respirators.

Product Code	Description	Size	Display Quantity	Case Quantity
Pre-assembled Organic Vapour - A1 Respirator				
RP MX 8102A	Organic Vapour - A1 Respirator	M	1 / Bag	12 Bags
RP MX 8103A	Organic Vapour - A1 Respirator	L	1 / Bag	12 Bags
Pre-assembled Paint Spray/Pesticide - A1 P2 Respirator				
RP MX 8111AN	Paint Spray/Pesticide - A1 P2 Respirator	S	1 / Bag	12 Bags
RP MX 8112AN	Paint Spray/Pesticide - A1 P2 Respirator	M	1 / Bag	12 Bags
RP MX 8113AN	Paint Spray/Pesticide - A1 P2 Respirator	L	1 / Bag	12 Bags
Pre-assembled Multi-Gas Vapour Smart - A1,B1,E1,K1 Respirator				
RP MX 8601A	Multi-Gas Vapour Smart - A1,B1,E1,K1 Respirator	S	1 / Bag	12 Bags
RP MX 8602A	Multi-Gas Vapour Smart - A1,B1,E1,K1 Respirator	M	1 / Bag	12 Bags
RP MX 8603A	Multi-Gas Vapour Smart - A1,B1,E1,K1 Respirator	L	1 / Bag	12 Bags
Pre-assembled P2 Respirator w/ 8030A P2/P3 Cartridge Filter				
RP MX 8032A	P2 Respirator w/ 8030A P2/P3 Cartridge Filter	M	1 / Bag	12 Bags
RP MX 8033A	P2 Respirator w/ 8030A P2/P3 Cartridge Filter	L	1 / Bag	12 Bags
Pre-assembled P2 Welding w/ Nuisance Ozone/Organic Vapours				
RP MX 8752A	P2 Welding w/ Nuisance Ozone/Organic Vapours	M	1 / Bag	12 Bags
RP MX 8753A	P2 Welding w/ Nuisance Ozone/Organic Vapours	L	1 / Bag	12 Bags
Pre-assembled P2 Respirator w/ 8830A P2/P3 Filter Disk				
RP MX 8831A	P2 Respirator w/ 8830A P2/P3 Filter Disk	S	1 / Bag	12 Bags
RP MX 8832A	P2 Respirator w/ 8830A P2/P3 Filter Disk	M	1 / Bag	12 Bags
RP MX 8833A	P2 Respirator w/ 8830A P2/P3 Filter Disk	L	1 / Bag	12 Bags
Facepiece only				
RP MX 8001	8000 Half Mask	S	1 / Bag	12 Bags
RP MX 8002	8000 Half Mask	M	1 / Bag	12 Bags
RP MX 8003	8000 Half Mask	L	1 / Bag	12 Bags
Gas/Vapour Cartridges				
*RP MX 8100A	Organic Vapour Cartridges - A1		5 Pair / Box	6 Boxes
*RP MX 8030A	P2/P3* Particulates - HEPA		5 Pair / Box	6 Boxes
*RP MX 8600A	Multi-Gas/Vapour Smart Cartridge - A1,B1,E1,K1		5 Pair / Box	6 Boxes
Gas/Vapour Cartridges				
RP MX 8010A	P2 Particulate Filter		5 Pair / Bag	10 Bags
RP MX 8750A	P2 with Nuisance Ozone/OV		5 Pair / Bag	10 Bags
RP MX 8830A	P2/P3 Filter Disk		5 Pair / Bag	6 Boxes
RP MX 8020	Filter Retainer		10 Pair / Box	5 Boxes
RP MX 8900	Filter/Disk Holder		5 Pair / Bag	6 Boxes
RP MX 8920	Piggyback Adapter		5 Pair / Box	6 Boxes
Accessories and Replacement Parts				
RP MX 0082	8000 Head Strap Assembly		4 / Bag	5 Bags
RP MX 0083	Exhale Valve Assembly		6 / Bag	5 Bags
RP MX 7006	Probed Cartridge Kit (8000)		1 Kit	1 Kit
RP MX 9780	8000 Reusable Respirator Bag		1 / Bag	20 Bags

IPP Industrial Protective Products (WA)
Supporting Better Products

Powered Air Purifying Respirators

Providing clean breathing air is essential when working in areas where hazardous contaminants are present. 3M offers an extensive and flexible range of industrial powered and supplied air respirators, developed especially for the toughest environments. These respiratory protective systems offer comfortable protection against multiple hazards and their ease-of-use enables improved productivity in the workplace. 3M is available to support the user in the correct selection, training and proper use of these products.

Powered Air Purifying respirators (PAPRs); include a blower that draws contaminated air through filter/s to remove contaminants, supplying purified air to the user wearing either an open head top (loose fitting hood) or tight-fitting face mask. Like full and half face masks, PAPRs are also available in ready-packs to simplify the respiratory selection process.

3M offers a range of ready-to-go PAPR kits:

- Full face masks for asbestos and dust applications
- Half and full hood head tops ideal for chemical and pharmaceutical industry
- Helmets and face shields ideal for welding applications.

The benefits of a PAPR are:

- Protection factors up to 100+, based on the headtop and filter/cartridge being used
- Good option if using for long periods by reducing the weight of a filter carried on a face mask
- Helps prevent user fatigue with air moving around the head and face cooling the wearer
- Available with a wide range of open and closed head tops (hoods & masks).

These features make PAPRs ideal for industries such as; asbestos removal, pharmaceutical manufacture, smelters, waste control, land remediation, welding and agriculture. With any negative pressure or PAPR RPE the selection and use of the correct filter for the contaminant/hazard is crucial. Filters are typically designed to handle particulates, gas/vapour or a combination of both particulate and gas.

The life of a gas cartridge is dependent upon the temperature, humidity, concentration and type of contaminant, the class of filter and the rate of breathing of the wearer. Filters should be replaced on a regular basis in accordance with an established

filter replacement schedule identified in the initial risk assessment. AS/NZS 1716: 2012 recommends discarding your filter when any one of the following conditions exists:

- The particulate filter becomes difficult to breathe through
- Breakthrough gas occurs; indicated by smell or taste or according to the filter replacement schedule identified during the risk assessment
- 6 months has passed since sealed gas/vapour filter package has been opened
- The expiry date on the filter has passed.

In some instances, depending on the type of chemical hazard, filters must be changed out after each shift.

If filters are to be re-used they should be stored in a sealed plastic bag or box.

Filter classifications:

Particulate Filters are classified as P1, P2 or P3:

- P1 filters handle mechanically generated particles
- P2 filters handle mechanical & thermally generated particles
- P3 filters handle mechanical & thermally generated particles

Gas filters are rated Class 1, Class 2 or Class 3 according to their capacity to capture and hold certain gas/vapours

The classification for gas & vapour filters is based on the groups of gases they are designed to be most effective against. Filters have colour-coded labels for easy identification of the different groups.

Information

For more information on our range of Respiratory Protection, or to place an order contact IPP on **08 9330 6355** or visit **www.ippwa.com.au**

IPP
Industrial **Protective** Products (WA)
Supporting Better Products

Experience maximum flexibility as you move from one job to the next.

New levels of comfort and simplicity

3M offers an extensive and flexible range of powered and supplied air respirators developed for a wide range of environments, applications and hazards.

These respiratory protective systems offer comfortable, integrated protection against multiple hazards providing respiratory, head, face, eye and hearing protection. Their ease of use can improve productivity in the workplace.

1. All 3M™ Versaflo™ Brand Products are light-weight, compact and well-balanced

2. Two-position adjustable airflow feature distributes air where the user wants

3. Multiple size adjustment options allow for a comfortable fit

4. Equipped with automatic flow control, low battery alarm, and low flow alarm

5. QRS (Quick Release Swivel) breathing tubes allow fast and easy connection

6. Provides excellent peripheral and downward vision

7. Easily removable parts allow simple cleaning, maintenance and replacement

8. The air inlet draws air from the bottom of the unit, allowing the wearer to sit without blocking the airflow intake

Powered Air   Supplied Air

Which air system should I choose?

A powered air system?

- Incorporates a battery powered motorised fan to draw air through a filter
- Cannot be used to protect against substances with poor warning properties (taste/smell)
- Must not be used in conditions that are Immediately Dangerous to Life or Health (IDLH)
- Suitable for use over long shifts - reduced breathing resistance
- Can offer integrated head, eye and face protection

A supplied air system?

- Air is supplied from a compressor (compressed air must be of breathable quality)
- Can be used to protect against substances with poor warning properties (taste/smell)
- Must not be used in conditions that are Immediately Dangerous to Life or Health (IDLH)
- Suitable for use over long shifts - reduced breathing resistance
- Can offer integrated head, eye and face protection

3M™ Versaflo™ Powered Air Turbo TR-300+

3M™ Versaflo™ Powered Air Turbo TR-600

Powered Air Respirators

3M™ Versaflo™ Powered Air Turbo TR-800

3M™ Jupiter™ Powered Air Turbo

Supplied Air Respirators

Supplied Air System Stethoscope

3M™ Versaflo™ Supplied Air Unit V-100

3M™ Versaflo™ Supplied Air Unit V-200

3M™ Versaflo™ V-500 Regulators V-Series

3M™ Versaflo™ Supplied Air Unit V-300

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Modular Systems

Individual Systems

The modular respirator system is a comprehensive approach to worker protection systems based on comfortable-to-wear modules. All modular headtops, air delivery units and breathing tubes are compatible with one another. Users can mix and match parts as they move from one environment to another, or from one application to the next. It is the ultimate in flexibility for handling changing user environments.

The individual respirator systems can be used in a variety of workplace applications. They include powered air respirators with integrated head, eye, face and respiratory protection and supplied air regulators with half and full face masks.

Selection process for modular systems.

Powered air systems

Stage 1A	Stage 1B	Stage 2	Stage 3	Stage 4
Select Powered Air Turbo*	Select Filters, Battery and Belt	Select your Headtop	Select your Breathing Tube	Choose Accessories

*Want an even easier way to select a system? Choose 3M's powered air starter kits, which include everything apart from the headtop and some accessories.

Supplied air systems

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Select your Regulator	Select your Headtop	Select your Breathing Tube	Select your Compressed Air Supply Tube	Choose Accessories

Information

For more information on our range of Respiratory Protection, or to place an order contact IPP on **08 9330 6355** or visit **www.ippwa.com.au**

Industrial Protective Products (WA)
Supporting Better Products

Modular respirator systems.

3M™ Versaflo™ Headcovers and Hoods S-Series

Integrated Suspension

Reusable Suspension

S-133 S/L
S-333G S/L

S-433 S/L
S-533 S/L

S-655
S-657
S-757

S-855E

3M™ Versaflo™ Headtops M-Series

Faceshields

Helmets

Helmets
with Shrouds

M-206
M-207

M-306
M-307

M-406
M-407

Breathing tubes

BT-20 S/L: Lightweight (in two lengths)
BT-30: Self-adjusting
BT-40: Heavy-duty rubber

BT-20 S/L

BT-30

BT-40

Powered air turbos

Particulate only (nuisance
level organic vapour and
acid gas options available)

Particulate + Gas
& Vapour

Intrinsically Safe
Particulate + Gas
& Vapour

Particulate + Gas
& Vapour

Intrinsically Safe
Particulate + Gas & Vapour

3M™ Versaflo™
Powered Air Turbo
TR-300+

3M™ Versaflo™
Powered Air Turbo TR-600

3M™ Versaflo™
Powered Air Turbo
TR-800 Intrinsically safe

3M™ Jupiter™
Powered Air Turbo

3M™ Jupiter™ Powered Air
Turbo with IS Kit

TR-300 Filter
- Spark Arrestor
- Prefilter
  P3 Filter
- P3/Nuisance Level
- Organic Filter
- P3/Nuisance Level
- Acid Gas (HF up to 10 x WES)

Battery
- Standard battery
- High capacity battery

Charger
- Single Station Battery
  Charger
- 4-Station Battery
  Charger Kit

TR-600 &
TR-800 Filter
- Spark Arrestor
- Prefilter
- P3 Filter
- P3/Nuisance Level
  Organic Vapour/Acid Gas
- A1P3 Filter
- ABEHgP3 Filter

TR-600 Battery
- Standard Battery
- High Capacity Battery

TR-600 & TR-800
Chargers
- Single Station Bat.
  Charger
- 4-Station Bat. Charger
  Kit

TR-830 Battery
- TR-830 Intrinsic Safe
  Battery for use with
  TR-800

Industrial Protective Products (WA)
Supporting Better Products

3M™ 6000 Series Full Face Respirator and 3M™ 7500 Series Reusable Respirator

Full Face

Half Face

6000

7500

Breathing tube accessories

BT-922: Disposable Cover
BT-926: Flame-resistant Cover
BT-927: Radiant Heat Cover

BT-63   BT-64

Individual respirator systems.

Belt-mounted powered air respirator system for asbestos environments
Proflow SC 160
Asbestos ReadyPak

Face-mounted powered air respirator
3M™ Powerflow™ Powered Air System

Supplied air regulators

Air Cooling

Air Heating

Flow Controlled

3M™ Versaflo™ Supplied Air Unit V-100

3M™ Versaflo™ Supplied Air Unit V-200

3M™ Versaflo™ Supplied Air Unit V-300

3M™ Versaflo™ Supplied Air Regulator V-500

Stethoscope Airline system

Filter
• Prefilter Pads
• Particulate P3 Filters
• A1P3 Filters
• ABEKP3 Filters

Battery
• 8 hour Battery
• 4 hour IS Battery

Charger
• Single Station Battery Charger
• 10-station Multi Battery Charger

Airline accessories

Air Supply Tube

3M™ Versaflo™ TR-800 Powered Air Purifying

- The Versaflo TR-800 features a PAPR blower UL-certified with an intrinsically safe (IS) rating of Division 1: IS Class I, II, III; Division 1 (includes Division 2) Groups C, D, E, F, G; T4, under the most current standard (UL 60079, 6th Edition, 2013).
- LED indicators on the turbo indicate battery charge level, particulate filter loading status and airflow setting
- Low flow and low battery alarms - Visual, Audible and Vibratory
- Vibratory, audible and visual alarms assure you can hear, see and feel when your PAPR has low-charge or low-flow
- Compatible with multiple configurations of headtops, breathing tubes, batteries, filters, cartridges and more

- Ergonomically designed to fit close to the body and allow for greater movement in tight work spaces
- Multi-speed blower functions at altitudes up to 4,880 metres. Battery offers long run time and charges quickly, achieving 90% charge in approximately 3.5 hours.
- Multiple airflow rates put you in control of your comfort.
- Battery comes with built in charge level indicator, a mechanical attachment of battery to help prevent battery removal during use. Approximately 750 full charge/discharge cycles.
- Intuitive, coloured touchpoints plus visual and audible lowflow indicators help make the TR-800 easy to use.

Comfortable airflow
Three user selectable flow rates to maximise comfort
Controlled airflow delivers steady flow as battery discharges or filter loads with particulates

Innovative materials

Easy identification
Bright yellow touchpoints to differentiate from non-IS versions of Versaflo Product Family

Ease of use
Intrinsically safe TR-800 Series display shows battery charge status and particulate filter loading status during use Battery charge indicator - charge status is also indicated by a useful LED display on the battery

Secure battery attachment
Mechanical attachment of battery to help prevent battery removal and spark risk during use per EN 60079-11

No user calibration of turbo required
Electronic audible and visual alarm in case of low battery and/or low air flow

Battery Protection
Battery features bumpers to help absorb impacts

Motor/Blower Safety

Model #	Description
RP 3M TR-819A	TR-819A IS PAPR Starter Kit including battery and charger 1/CS
RP 3M TR-830	Battery, Intrinsically safe 1/CS*
RP 3M TR-851	Filter latch assembly
RP 3M TR-838	Battery attachment tool
RP 3M TR-802E	PAPR Motor/Blower 1/CS

*purchase filter and filter cover separately.

- Mining Atmospheres
  IEC 60079-11 Ex
  ia IMaia - intrinsic safety- safe with rare malfunction
- I - Mining group
- Ma - Equipment protection level mining

- Non-Mining Gas atmospheres (Group II)
  EN 60079-11 Ex ia IIB T4 Ga
- ia - intrinsic safety for Equipment protection level Ga
- IIB - Gas apparatus group
- T4 - Max. surface temperature 135°C (-20°C ≑ Ta ≑ 55°C)

- Non-Mining Dust atmospheres (Group III)
  EN 60079-11 Ex ia IIIC 135°C Da
- ia - intrinsic safety for Equipment protection level DaIIIC
- Dust apparatus group
- 135°C - Max surface temperature 135°C (-20°C ≑ Ta ≑ 55°C)

3M™ Versaflo™ Powered Air Purifying Respirators TR-600 LED indicators on the turbo indicate battery charge level, particulate filter loading status and airflow setting Low flow and low battery alarms - Visual, Audible and Vibratory On-battery fuel gauge Vibratory, audible and visual alarms assure you can hear, see and feel when your PAPR has low-charge or low-flow Compatible with multiple configurations of headtops, breathing tubes, batteries, filters, cartridges and more Ergonomically designed to fit close to the body and allow for greater movement in tight work spaces

AT010620147

Model	Description
RP 3M TR-619A-P3	Versaflo™ Powered Air Turbo Starter Kit TR-619A includes battery and charger
RP 3M TR-619A	Versaflo™ Powered Air Turbo Starter Kit TR-619A includes battery charger, excludes filter and filter cover
RP 3M TR-602E	Powered Air Turbo unit
RP 3M TR-630	Standard Battery TR-630
RP 3M TR-632	Versaflo™ High Capacity Battery
RP 3M TR-641E	Single Station Charger to Suit Versaflo™ TR-632 battery
RP 3M TR-644E	4 Station Charger to Suit the Versaflo™ TR-632 Battery
RP 3M TR-655/37385	Backpack adapter plate 1/C
RP 3M TR-627	Easy Clean belt
RP 3M TR-651	Filter Latch TR-651
RP 3M TR-653	Cleaning & Storage Kit to suit Versaflo™ TR Systems
RP 3M TR-662	Spark Arrestor TR-662 to suit Versaflo™ TR-600
RP 3M TR-971	Airflow Indicator for TR-600 Versaflo™ Unit
RP 3M TR-973	Air Flow Tube TR-600
RP 3M TR-627	Easy Clean Belt with Adaptor plate
RP 3M TR-626	High Durability Belt to Suit TR-602 Versaflo™ AFU

PAPR Breathing Hoses

BT-20 S/L   BT-30   BT-40

Model #	Description
RP 3M BT-20L	Fixed length lightweight Polyurethane Breathing Tube L=965mm
RP 3M BT-20S	Fixed length lightweight Polyurethane Breathing Tube L=735mm
RP 3M BT-30	Self-adjustable Polyurethane Breathing Tube L=525-850mm
RP 3M BT-40	Fixed length Heavy Duty Neoprene Breathing Tube L=840mm
RP 3M BT-922	Breathing Tube Cover - 1 per case
RP 3M BT-926	Flame Resistant Breathing Tube Cover - 1 per case

TR-600 & TR-800 Filters

Model	Description
RP 3M TR-6500FC	Filter Cover to Suit Versaflo™ TR -6580ANZ
RP 3M TR-6580ANZ	A1B1E1HgP3 Filter For Organic Vapours, Acid Gases, Inorganic vapours and Mercury vapour including a P3 Filter
RP 3M TR-6300FC	Filter Cover to Suit Versaflo™ TR -6310ANZ P3 Filter
RP 3M TR-6310ANZ	A1P3 Filter For Organic Vapours includes a P3 filter
RP 3M TR-6600	Versaflo™ Pre-Filter
RP 3M TR-6800FC	Filter Cover to Suit Versaflo™ TR -6820ANZ Nuisance Odour* P3 Filter
RP 3M TR-6820ANZ	Nuisance Odour* Plus P3 Filter
RP 3M TR-6700FC	Filter Cover to Suit Versaflo™ TR-6710ANZ
RP 3M TR-6710ANZ	High Efficiency Filter Versaflo™

Kits

Model	Description
RP 3M TR6M-307	3M™ Versaflo™ TR6M-307 kit includes TR-619A with M-307 Headtop and P3 filter
RP 3M TR6M-407	3M™ Versaflo™ TR6M-407 kit includes TR-619A with M-407 Headtop and P3 filter

BT-63 & BT-64 Breathing Tube
For use with the 7500 half face and 6000 series full face respirators on theTR-600 or TR-800 PAPR Units.

70071730934   70071730876

Model #	Description
RP 3M BT-64	Versaflo™ Heavy Duty Tight Fitting Breathing Tube BT-64 1 EA/Case
RP 3M BT-63	Versaflo™ Length Adjusting Tight Fitting Breathing Tube BT-63 1/Case
RP 3M BT-953	Versaflo™ Cleaning & Storage Kit BT-953, for BT-63/64 Breathing Tubes 1/case
RP 3M TR-973	Versaflo™ Air Flow Indicator TR-973, for TR-600 PAPR with BT-63/64 Breathing Tube 1/case

3M™ Versaflo™ Powered Air Purifying Respirators TR-300+

- The 3M™ Versaflo™ PAPR TR-300 is significantly lighter and thinner than past generations of 3M™ Belt-Mounted PAPR units. It also keeps its light weight close to the user's back, reducing the leverage effect that can cause PAPRs to feel heavier. The slim profile is designed for use in tight spaces, and its smooth, contoured outer surfaces are less prone to snagging on nearby objects.
- Two user selectable flow rates 185 & 205 l/min
- Controlled airflow delivers steady flow as battery discharges or filters loads with particulates
- Display shows battery charge status, selected airflow and particulate filter loading status during use
- Audible and LED alarm signals low battery charge or low airflow
- Three filter options available: P3 Particle, P3 Particle plus nuisance level organic vapours* & P3 Particulate only nuisance acid gas * and offers protection against hydrogen fluoride up to 10 x Occupational Exposure Limit
- Lithium ion battery with LED to indicate charge status
- Three belt options (standard, easy-clean and leather) for a range of applications
- Suitable for use in decontamination shower (IP 53)

- Nuisance level refers to concentrations below the Occupational Exposure Limit
- Compliant with AS/NZS 1716:2012

TR-315A+ Filters & accessories

Model	Description
RP 3M TR-3600	Versaflo™ Prefilter
RP 3M TR-3712E	Versaflo™ Filter Particulate, P3
RP 3M TR-3802E	Filter P3 plus Nuisance Organic Vapour
RP 3M TR-3822E	Filter P3 & HF Plus Nuisance Acid Gases
RP 3M TR-302E	Air Filter Unit
RP 3M TR-332	Battery Pack
RP 3M TR-341A	Single Station Battery Charger
RP 3M TR-344A	Quad Station Battery Charger

3M™ Versaflo™/TR-300+ Integrated PAPR Systems Kits
- Versaflo™ Integrated Powered Air Respirator system includes Headtop, air filter unit, P3 Filter, standard belt, pre-filter, breathing tube, battery pack, battery charger, tote bin and user instructions
- The Versaflo™ S-Series headtops are designed to be used with an approved 3M air delivery unit to form a respiratory protective device. The headtops are available in Spun bond polypropylene and
- Polyurethane coated knitted nylon.

3M Order Code	Model	Description
AT010590241	TR-315A+	Versaflo™ Integrated Powered Air Respirator system includes air filter unit, P3 Filter, standard belt, pre-filter, breathing tube, battery pack, battery charger, tote bin and user instructions

Model	Description
RP 3M TRM-106C	TR-300+ PAPR Kit c/w M-206C Faceshield Comfort F/Seal c/w Charger and P3 Filter
RP 3M TRM-107C	TR-300+ PAPR Kit c/w M-207C Faceshield Flame Resistant F/Seal with Charger and P3 Filter
RP 3M TRM-306C	TR-300+ PAPR Kit c/w M-306C Helmet Comfort F/Seal c/w Charger and P3 Filter
RP 3M TRM-307C	TR-300+ PAPR Kit c/wM-307C Helmet Flame Res. F/seal c/w Charger and P3 Filter
RP 3M TRM-406C	TR-300+ PAPR Kit c/w M-406C Hi-Dura Shroud c/w Charger and P3 Filter
RP 3M TRM-407C	TR-300+ TR-300+ PAPR Kit c/w M-407C Helmet Flame Res. Shroud) c/w Charger and P3 Filter
RP 3M TRS-133C	TR-300+ PAPR Kit c/w S-133 Head cover c/w Charger and P3 Filter
RP 3M TRS-333C	TR-300+ PAPR Kit c/w S-333 Head cover c/w Charger and P3 Filter
RP 3M TRS-433C	TR-300+ PAPR Kit c/w S-433 Integrated Head Harness Hood c/ w Charger and P3 Filter
RP 3M TRS-533C	TR-300+ PAPR Kit c/w S-533 Integrated Head Harness Hood c/ w Charger and P3 Filter
RP 3M TRS-655C	TR-300+ PAPR Kit c/w S-655 Reusable Head Harness Hood c/ w Charger and P3 Filter
RP 3M TRS-657C	TR-300+ PAPR Kit c/w S-657 Reusable Head Harness Hood c/ w Charger and P3 Filter
RP 3M CAPM-306	TR-300+ PAPR Kit c/w M-306 with cap lamp mount c/w charger and P3 filter
RP 3M 6800-TR	TR-300+ PAPR Kit c/w 6800DIN Full Face c/w charger and P3 Filter

Versaflo™ M-200 Series High Impact Faceshield

The Versaflo M-200 Series High Impact Faceshield provides integrated protection from specific respiratory, eye and face hazards with optional hearing protection. Two options for different applications:
- M-206 features a general purpose faceseal for dusts, spraying and chemical processing.
- M-207 features a flame resistant faceseal for applications with hot particles
- M-200 offers a full headtop protection, eliminating the need of head inserts being needed.
- Compatible with TR-300+, TR-600, TR-800, Jupiter units and supplied air regulators V-100, V-200, V-300, V-500
- M-200 has replaced M-100 Series Headtop

Model	Description
RP 3M M-206	Faceshield with Comfort Faceseal replaces M-106
RP 3M M-207	Faceshield with FR PolyFaceseal
RP 3M M-170	Versaflo M-100 Faceshield Head Inserts
RP 3M M-150	Head Suspension - 1 per case
RP 3M M-154	Forehead Seal - 1 per case Ready to use PAPR Kits with M-200 Headtop

Ready to use PAPR Kits with M-200 Headtop

Model	Description
RP 3M 902-03-81	Jupiter™ PAPR Kit c/w M-206C Faceshield Comfort F/Seal c/w Charger, JTM106C
RP 3M 902-03-93	Jupiter™ PAPR Kit c/w M-207C Faceshield Flame Resistant F/Seal with Charger, JTM107C
RP 3M TRM-106C	TR-300+ PAPR Kit c/w M-206C Faceshield F/Seal c/w Charger
RP 3M TRM-107C	TR-300+ PAPR Kit c/w M-207C Faceshield Flame Resistant F/Seal c/w Charger

Versaflo™ M-300 Series High Impact Helmet

The Versaflo M-300 Series High Impact Helmet provides integrated protection from specific respiratory, head , eye and face hazards with optional hearing protection. Two options for different applications:
- M-306 features a general purpose faceseal for dusts, sprays and chemical processing.
- M-307 features a flame resistant faceseal for applications where hot particles may be present.
- Compatible with TR-300+, TR-600, TR-800, Jupiter units and supplied air regulators V-100, V-200, V-300, V-500

Model	Description
RP 3M M-306	Versaflo Helmet with coated visor and comfort faceseal
RP 3M M-306CAP	M-306 Headtop only with Cap Lamp Mount Bracket
RP 3M M-307	Versaflo Helmet with coated visor and flame resistant faceseal
RP 3M M-316	Airflow Deflector - 1 per case
RP 3M M-350	Head Suspension - 1 per case
RP 3M M-354	Forehead Seal - 1 per case

Ready to use PAPR Kits with M-300 Headtop

Model	Description
RP 3M 902-03-82	Jupiter™ PAPR Kit c/w M-306C Helmet Comfort F/ Seal c/w Charger, JTM306C
RP 3M 902-03-94	Jupiter™ PAPR Kit c/wM-307C Helmet FlameRes. F/ seal c/w Charger,JTM307C
RP 3M TRM-306C	TR-300+ PAPR Kit c/w withM-306C Helmet Comfort F/ seal c/w Charger
RP 3M TRM-307C	TR-300+ PAPR Kit c/w withM-307 Helmet Flame Res.F/ seal) c/w Charger
RP 3M TR6M-307	TR-600 PAPR Kit c/wM-307C Helmet Flame Res.F/Seal c/w Charger

Industrial Protective Products (WA)
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Versaflo™ S-Series
Hoods & Headcovers

Compatible with TR-300+, TR-600, TR-800, Jupiter units and supplied air regulators V-100, V-200, V-300, V-500

S-333SG

S-133S

S-757

S-433L

S-533S

S-657

S-655

S-533L

S-855

Model #	Description
RP 3M S-133S	Head Cover (Small) with integrated head harness, headtop fabric, spun bond polypropylene
RP 3M S-133L	Head Cover (Large) with integrated head harness, headtop fabric, spun bond polypropylene
RP 3M S333SG	Low lint Head Cover (Small/Grey) with integrated head harness - 1 per box, headtop fabric, polyurethane coated knitted nylon
RP 3M S333LG	Low lint Head Cover (Large/Grey) with integrated head harness - 1 per box, headtop fabric, polyurethane coated knitted nylon
RP 3M S-433S	Hood (Small) with integrated head harness - 1 per box, headtop fabric, spun bond polypropylene
RP 3M S-433L	Hood (Large) with integrated head harness - 1 per box, headtop fabric, spun bond polypropylene
RP 3M S-533S	Low Lint Hood (Small) with integrated head harness - 1 per box, headtop fabric, polyurethane coated knitted nylon
RP 3M S-533L	Low Lint Hood (Large) with integrated head harness - 1 per box, headtop fabric, polyurethane coated knitted nylon
RP 3M S-655	Hood with replaceable head suspension - 1 per box, headtop fabric, spun bond polypropylene
RP 3M S-657	Double Shroud Hood with replaceable head suspension - 1 per box, headtop fabric, spun bond polypropylene
RP 3M S-757	Double Laminate Hood with replaceable head suspension - 1 per box, headtop fabric, spun bond polypropylene
RP 3M S-855	Sealed seam hood with replaceable head harness - 1 per box, headtop fabric, spun bond polypropylene

Ready to use PAPR Kits with S-Series Headtop

Model #	Description
RP 3M 902-03-35	Jupiter™ PAPR Kit c/w S-655C Hood with charger JTS655C
RP 3M 902-03-36	Jupiter™ PAPR Kit c/w S-533C Hood with charger JTS533LC
RP 3M 902-03-37	Jupiter™ PAPR Kit c/w S-133C Hood with charger JTS133LC
RP 3M TRS-133C	TR-300+ PAPR Kit c/w S-133 Headcover c/w Charger
RP 3M TRS-333C	TR-300+ PAPR Kit c/w S-333 Headcover c/w Charger
RP 3M TRS-433C	TR-300+ PAPR Kit c/w S-433 Integrated HeadHarness Hood c/w Charger
RP 3M TRS-533C	TR-300+ PAPR Kit c/w S-533 Integrated Head Harness Hood c/w Charger
RP 3M TRS-655C	TR-300+ PAPR Kit c/w S-655 Reusable HeadHarness Hood c/w Charger
RP 3M TRS-657C	TR-300+ PAPR Kit c/w S-657 Reusable Head Harness Hood c/w Charger

Versaflo™ M-400 Series High Impact Helmet with Neck Protector

The Versaflo M-400 Series High Impact Helmet provides integrated protection from specific respiratory, head, eye and face hazards with neck and shoulder protection. Two options for different applications:

- M-406 features general purpose faceseal for dusts, spraying and chemical processing.
- M-407 features a flame resistant faceseal and neck shroud for applications where hot particles may be present.
- Compatible with TR-300+, TR-600, TR-800, Jupiter units and supplied air regulators V-100, V-200, V-300, V-500

XA007707467   *earmuff not included

Model #	Description
RP 3M M-406	Versaflo Helmet with high durability neck and shoulder shroud
RP 3M M-407	Versaflo Helmet with flame resistant neck and shoulder shroud
RP 3M M-441	Jaw Gasket - 1 per case
RP 3M M-444	Inner Collar - 1 per case
RP 3M M-447	Flame Resistant Outer Shroud - 1 per case
RP 3M M-448	High Durability Outer Shroud - 1 per case

Ready to use PAPR Kits with M-400 Headtop

Model #	Description
RP 3M 902-03-83	Jupiter™ PAPR Kit c/w M-406C Helmet with Hi-Dura Shroud c/w Charger, JTM406C
RP 3M 902-03-95	Jupiter™ PAPR Kit c/w M-407C Helmet Flame Res. Shroud c/w Charger, JTM407C
RP 3M TRM-406C	TR-300+ PAPR Kit c/w M-406C Hi-Dura Shroud c/w Charger
RP 3M TRM-407C	TR-300+ PAPR Kit c/w M-407C Helmet Flame Res. Shroud) c/w Charger
RP 3M TR6M-407	TR-600 PAPR Kit c/w M-407C Helmet Flame Res. Shroud c/w Charger

Powerflow™ Powered Air Purifying Respirator

Powerflow includes 6000 DIN series full face mask Polycarbonate visor, waterproof motor, PAPR-P3 particulate filter, battery and user instructions.

Model #	Description
RP 3M 902-02-12	Powerflow™ 6800 Plus Full Face Respirator Kit

Filters

Model #	Description
RP SCO 052670	Pro2000 PF 10 P3

6800DIN Full Face Piece

The 6800 standard full face piece, fitted with a DIN adapter to allow a hose connection. This full face piece provides high levels of protection for powered air system users. Polycarbonate visor.

Model #	Description
RP 3M 6800DIN	Medium Face Piece
RP 3M 6900DIN	Large Face Piece

Jupiter™ Turbo System

Jupiter Air Turbo Unit includes turbo case, motor, blower, decontamination belt, battery and instructions. Battery Charger and Breathing Tube is not included.

Model #	Description
RP 3M 902-01-79	Jupiter AFU with Battery
RP 3M 085-01-00P	Blower Module
RP 3M 085-06-10P	Control Module - Jupiter
RP 3M 007-00-64P	NIMH Battery Pack
RP 3M 003-00-58PAUS	Battery Charger, CHG-02
RP 3M 022-25-10P4	Braces for Jupiter Belt System
RP 3M BT-20L	Breathing Tube
RP 3M 003-00-59P	Jupiter 10 Station Charger
RP 3M 021-14-12P	Jupiter™ Airflow Indicator

3M Jupiter™ Powered Air Respirator Systems

Jupiter™ Integrated Powered Air Respirator system includes Headtop, Turbo unit, standard belt, breathing tube, battery pack, battery charger, select headtop, and tote bin/storage tub. Filters to be purchased separately.

Model #	Description
RP 3M 902-03-93	Jupiter™ PAPR Faceshield with Flame Resistant F/Seal with Charger, JTM207C
RP 3M 902-03-82	Jupiter™ PAPR Kit c/w M-306C Helmet Comfort F/Seal c/w Charger JTM306C
RP 3M 902-03-85	Jupiter™ PAPR Kit c/w M-307C Helmet Flame Res. F/seal c/w Charger JTM306C-SB
RP 3M 902-03-35	Jupiter™ PAPR Kit c/w S-655C Hood with charger
RP 3M 902-03-36	Jupiter™ PAPR Kit c/w S-533C Hood with charger
RP 3M 902-03-37	Jupiter™ PAPR Kit c/w S-133C Hood with charger JTS133LC
RP 3M 902-03-43	Jupiter™ PAPR Kit c/w S-433C Hood with charger

Jupiter™ Intrinsically Safe Air Filter Unit

Jupiter IS Air Turbo Unit includes turbo case, motor, decontamination belt, pouch, battery and instructions. Battery Charger and Breathing Tube is not included.

Model #	Description
RP 3M 902-03-00	Jupiter™ IS Turbo Battery and Pouch
RP 3M 085-01-00P	Blower Module
RP 3M 085-06-10P	Control Module -
RP 3M 085-12-00P	4 Hour IS Battery and IS Pouch Jupiter
RP 3M 003-00-58PAUS	Battery Charger, CHG-02
RP 3M 022-25-10P4	Braces for Jupiter Belt System
RP 3M BT-20L	Breathing Tube
RP 3M 003-00-59P	Jupiter 10 Station Charger
RP 3M 021-14-12P	Jupiter™ Airflow Indicator

Jupiter™ Filters

Model #	Description
RP 3M 450-00-25	Particulate Filter - P3 PAPR
RP 3M 453-00-25P	Organic Vapor & Particulate Filter - A1P3
RP 3M 453-09-25	Multigas & Particulate - A1B1E1K1P3 PAPR
RP 3M 461-00-02P24	Pre Filter Discs - 24 per pack

Industrial Protective Products (WA)
Supporting Better Products

power assisted filter protection

Sundström Safety's powered fan units are designed to give the user the maximum level of protection, comfort, simplicity and cost-effectiveness.

RP SEA 500
FAN UNIT FOR particles and gas
art no H06-0109
art no H06-0109 HD

The SR 500 is a fan unit designed to give protection against harmful particles as well as gases and vapours. It is equipped with two particle filters SR 510 P3 R or a threaded filter SR 710 P3 R and two pre-filters SR 221 for protection against particles.
For protection against gas exposure: two gas filters SR 518 A2, or two gas filters SR 515 ABE1, or two SR 597 A1B2E2K1 and particle filters SR 510 P3 R. NB: Gas filters must be used in combination with particle filters at all times.
- Optical, acoustic and vibration alarms.
- Standard battery SR 501, 14.8 V, 2.2 Ah, lithium-ion with 30 min. charging time to reach 80% and 1.5 hours to reach 100%
- Heavy duty battery SR 502, 14.8 V, 3.6 Ah, lithium-ion with 45 min. charging time to reach 80% and 2 hours to reach 100%
- The display indicates the battery capacity when the fan starts
- Operating time up to 13 hours depending on selection of filter, flow rate and battery type

RP SEA 500EX
Easily operated battery powered fan with particle- or combination filters
art no H06-2009

The SR 500 EX fan is explosion-proof and specially adapted for use in an explosive atmosphere. The SR 500 EX is included together with filters and head-tops in Sundström fan-assisted respiratory protective devices
- The SR 500 EX can be used as an alternative to filter protections in all situations in which the latter are recommended. This applies particularly to situations in which the work is intensive, hot or of long-duration. The fan is equipped with filters and the filtered air is supplied through a breathing hose to the head-top. The latter is then pressurized, which prevents the surrounding pollutants from being admitted.
- Wide range of face pieces such as hoods, helmets and visors, all in TH3. They can also be connected to the SR 200 full mask in TM3.

RP SEA 700
FAN UNIT FOR particles
art no H06-7009

The SR 700 is a compact lightweight fan designed especially to provide protection against harmful particles where optimal protection properties are required. It is equipped with two particle filters, SR 510 P3 R, or threaded filter SR 710 P3 R, as well as pre-filter SR 221. With acoustic and optical alarms.
- Battery SR 701, 14.8V, 2.2 Ah, lithium-ion with a charging time of approx. 2 hours
- Approx. 8 hours operating time at a flow rate of 175 l/min., and approx. 5 hours at 225 l/min

RP SEA 500 / RP SEA 570
FAN UNIT FOR particles AND GAS
WITH Face shield
art no H06-6609

RP SEA 700 / RP SEA 200
FAN UNIT FOR particles
WITH FULL FACE MASK
art no H06-7109

Face shields, hoods and helmets, all in TH3

Choose a suitable face piece

All face pieces are supplied with a breathing hose for connection to fan SR 700 or SR 500, or to compressed air attachment SR 507.

RP SEA SR 520 & RP SEA SR 530
HOODS
RP SEA SR520 S/M – art no H06-0312
RP SEA SR520 M/L – art no H06-0212
RP SEA SR530 – art no H06-0412

SR 520 covers the face and crown of the head and is available in two sizes, S/M and M/L.
SR 530 covers not only the face and crown of the head but also the neck, throat and shoulders. One size. SR 530 has an easily adjustable neck seal that assures a very high level of protection, also for persons with a beard.
- Low weight
- Ready mounted Velcro strip for simple adjustment to head size
- Visor made of chemicals-resistant cellulose acetate (CA)
- PVC-coated polyester in the hood
- Exhalation valve that reduces the build-up of carbon dioxide inside the hood during heavy work
- Can be equipped with peel-offs or a protective hood against strong splash-backs and similar hazards

RP SEA 561 & RP SEA 562
Hoods
art no H06-5012
art no H06-5112

SR 561 protects the whole head and shoulders. Adjustable soft neck seal made of cotton.
SR 562 protects the face and crown of the head. Comfortable face seal made of polyamide/lycra.
- Low weight
- Separate head harness allows replacement of the hood alone
- Visor in chemicals-resistant PETG.
- The hood is made of Tyvek© material offering effective protection against a wide range of chemicals
- Easily adjustable head harness

Industrial Protective Products (WA)
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RP SEA 570
Face shield
art no H06-6512

The SR 570 face shield is a modern, innovative product, designed and developed based on the needs and requirements from the market.
- The SR 570 is a robust shield with a flip-up visor, and gives the user comfortable and safe respiratory and eye protection.
- The face shield is fitted with an attachment for hearing protectors.
- A wide range of accessories enable the user to customise the shield for their work situation. The shield is manufactured in a material that permits use in tough environments.
- The SR 570 shield can be used with either our SR 500 or SR 700 powered fan unit. It can also be used with the compressed air attachment SR 507.

RP SEA 588-1 / RP SEA 580
Safety helmet with 2/3 visor EN 3
art no H06-8610

- Safety helmet SR 580 with visor EN 3. The visor protects against light emissions arising during welding and cutting operations and have a very good optical clarity.

RP SEA 588-2 / RP SEA 580
Safety helmet with 2/3 visor EN 5
art no H06-8710

- Safety helmet SR 580 with visor EN 5. The visor protects against light emissions arising during welding and cutting operations and have a very good optical clarity.

RP SEA 540
FACE SHIELD
art no H06-6012

EX-class, gas: II 2 G Ex ib IIA T3 Gb
EX-class, dust: II 2 D Ex ib IIIC T195°C Db
- The SR 540 EX face shield together with the SR 500 EX fan has been approved for use in an explosive atmosphere. The breathing hose of the face shield is connected to the fan equipped with filters. The pressure generated inside the face shield prevents particles and other impurities from being admitted.
- The SR 540 EX face shield may also be used together with compressed air attachment SR 507 but in this case only in environments which are not potentially explosive. This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply. See separate product leaflet SR 507.
- The equipment can be used as an alternative to filter protections in all situations in which the latter are recommended. This applies particularly to situations in which the work is intensive, hot or of long duration.

RP SEA 587 / RP SEA 580
Safety helmet with goldvisor EN5
art no H06-8510

- Safety helmet SR 580 with a gold plated shield. Suitable when work is performed in extreme heat as the shield significantly reduces radiant heat.

RP SEA 591
WELDING SHIELD
art no H06-4312

- SR 591 welding shield is design for use either by itself or in combination with a respiratory protection system. The welding shield is designed for easy use and operation. Adjustable head harness for best comfort.
- The SR 591 can be equipped with different types of welding filters. To get the best and appropriate respiratory protection you can choose to use it with either SR 900 half mask with remote filter holder SR 905 or with our powered fan unit SR 500 or SR 700 in the highest protection level (TM3). You can also use SR 900 with our SR 507 compressed air attachment in class 3A/3B.

RP SEA 592
welding shield with air channel
art no H06-4412

- SR 592 welding shield is design for use with a respiratory protection system. The welding shield is designed for easy use and operation. Easy and adjustable head harness for best comfort. The SR 592 can be equipped with different types of welding filters.
- To get the best and appropriate respiratory protection you can choose to use it with our powered fan unit SR 500 or SR 700 in the highest protection level (TH3).

RP SEA 580
Safety helmet with visor art no H06-8009

- Complete protection of airways, head and face
- If required, may be complemented with most ear protectors for helmet mounting
- Easily raised visor made of polycarbonate
- Exhalation valve minimises the concentration of carbon dioxide inside the protective gear during heavy work
- Easily replaceable visor and face seal

CleanSpace®

RESPIRATORS

REVOLUTIONARY RESPIRATORY PROTECTION

Work Effortlessly & Comfortably
Over long periods with P3/TM3 protection

SAFE
Fully certified positive pressure respiratory with HEPA filtration (99.95% efficiency) ensuring maximum protection in the work place. Up to 8 hours run time. TSI Portacount testing adaptors available.

WEARABLE
Easy to wear; Effortless and comfortable. No hoses or heavy belt mounted battery packs.

Award winning lightweight design (less than 500g) and lithium polymer battery delivers clean fresh air for a full shift.

SMART
Tough, reliable, cost effective; no servicing or maintenance and easy to clean; A simple one-button system; CleanSpace compact design provides compatibility with other safety equipment.

CLEANSPACE2™

Powered Respirator

Light, with no hoses, belts or cables and no maintenance. Particulate and Gas Filters

- High dust sites – quarries, mining
- Welding, grinding
- Maintenance and cleaning
- Timber and agriculture

CE

CLEANSPACE™ ULTRA

Powered P3 respirator

With Rating IP 66 designed for use in decontamination showers

- Chemical handling
- Lead abatement
- Infectious agents
- First responder

CE

CLEANSPACE™ EX

Powered P3 respirator

Intrinsically safe certified for use in potentially explosive atmospheres

- Underground coal
- Oil and gas
- Petrochemical
- Chemical handling

IEC 60079-0:2011
IEC 60079-11:2011
Ex ia I Ma Ex ib IIB T4 Gb ⟨Ex⟩ CE

Work Effortlessly and comfortably with HEPA Particulate Filtration (P3/TM3). Free Online Training.

CleanSpace is the only choice in protective masks to ensure compliance due to its comfort and one-button simplicity. Filtration efficiency 99.95% for particles 0.3 microns and above. Protects against dusts, mists, fumes and radionuclides. Ideal for lead, silica and biohazards. Combination Gas filters also available.

Contact: sales@cleanspacetechnology.com

1 POWER UNITS

CLEANSPACE2 PAPR
RP PAF 0034

CLEANSPACE ULTRA PAPR
RP PAF 0070

CLEANSPACE EX PAPR
RP PAF-0060

2 FACE MASKS

RP PAF 0033
Small

RP PAF 1010
Medium

RP PAF 0027
Large

RP PAF 1014
Full Face*
(M-L)

RP PAF 1106
Full Face*
(S)

* Cleanspace
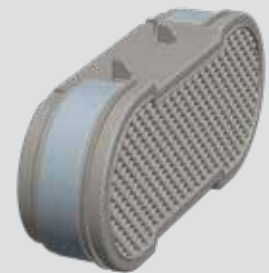 Ultra and EX Only

3 FILTERS

RP PAF 0035
EN12942 TM3P HEPA Particulate
Filter (Pack Of 3)

RP PAF 0036
Pre-Filter
(Pack Of 10)

RP PAF 0037
Hi Capacity
(Hi Cap)
Particulate
Filter P3
HEPA

RP PAF 0091
Combined: Organic,
Inorganic & Acid Gas
& Vapour + Particulate
AU:ABEP3

RP PAF 0076
Combined: Organic,
Inorganic, Acid
& Amonia Gas +
Particulate AU:ABEKP3

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4 FILTER ADAPTOR

RP PAF 0038
Adaptor for HiCap and Gas filters

RP PAF 0078
Intrinsically Safe Filter Adaptor for HiCap and Gas filters

* Cleanspace EX only

5 PRE-FILTERS & COVERS

RP PAF 0058
CleanSpace™ Particulate Pre-Filter & Coverall (Standard Filter)

RP PAF 0057
CleanSpace™ Particulate Pre-Filter (Large Case Filters)

RP PAF 0049
CleanSpace™ Coverall (Standard & Large Case Filters)

OTHER ACCESSORIES

RP PAF 0099	Backpack (Black)
RP PAF 0075	Helmet Hook Strap
RP PAF 0074	Ultra Cleaning & Storage Plug Set
RP PAF 0025	Half Mask Adaptor for Quantitative Fit (Portacount) Testing
RP PAF 1015	Full Face Mask Quantitative Fit Test (PortaCount) Adaptor
RP PAF 1018	Full Face Mask Tear off Visor Anti-Scratch Protectors (pack of 10)
RP PAF 1017	Full Face Mask Spectacle Kit
RP PAF 0049	Coverall (Standard and Large Case Filters) (pk 25)

SPARES

RP PAF 0014	CleanSpace2™ Neck Pad Thick (spare)
RP PAF 0016	CleanSpace2™ Neck Pad Thin (spare)
RP PAF 0028	Half Mask Exhalation Valve Assembly (pk 2) (spare)
RP PAF 0030	CleanSpace2™ Head Harness (spare)
RP PAF 1101	CleanSpace Battery Charger (All Models)
RP PAF 0073	Ultra & EX Head Harness (spare)
RP PAF 1028	Ultra & EX Neck Support Small (spare)
RP PAF 1012	Ultra & EX Neck Support Medium (spare)
RP PAF 1013	Ultra & EX Neck Support Large (spare)
RP PAF 1016	Full Face Mask Harness Kit (spare)
RP PAF 1019	Full Face Mask Exhalation Valve (pack of 2) (spare)
RP PAF 1020	Full Face Mask Inhalation Valve (6 valves) (spare)
RP PAF 1021	Full Face Mask Exhalation Valve Cover (spare)
RP PAF 1022	Full Face Mask Orinasal Inner Mask Set (Small)
RP PAF 1027	Full Face Mask Orinasal Inner Mask Set (Medium / Large) (spare)

FIND THE RIGHT CLEANSPACE FILTER

This table is a guide to assist filter selection based on the application and hazard[1]. IMPORTANT: Users should refer to the Material Safety Data Sheet (MSDS) and establish the hazard concentration before selecting a filter.

INDUSTRY	APPLICATION	HAZARD	RIBBON	FILTER TYPE	CLEANSPACE FILTER CODE
Construction	Cutting, grinding: Concrete, cement, stone, brickwork	Crystalline Silica & concrete, stone, plaster dust	white	P3	PAF-0035 & PAF-0037
	Applying insulation: Glass & mineral fiber	Particles and fibres	white	P3	PAF-0035 & PAF-0037
	Spraying & varnishing: Anti-fouling lacquers, lacquers and synthetic lacquers, water-soluble and solvent based paints, bleaching agents, tar, latex paints, paint remover and wood preservatives	Particles & vapours	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
Metal Work	Cutting, grinding, drilling metal (with ventilation)	Metallic or rust powder (Conc Dependant)	white	P3	PAF-0035 & PAF-0037
	Soldering (without paste)	Smoke particles	white	P3	PAF-0035 & PAF-0037
	Soldering (with paste)	Gases & Ammonia	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
	Welding MIG, TIG, STICK: Aluminium (with ventilation)	Aluminium oxide, smoke, ozone	white	A1	PAF-0035 & PAF-0037
	Welding MIG, TIG, STICK: Aluminium (with limited ventilation)	Aluminium oxide, smoke, ozone	brown/grey/yellow	ABE1A1	PAF-0051 (EU) & PAF-0091 (AU)
	Welding MIG, TIG, STICK: Galvanised & Stainless Steel	Metallic powder, metal oxide smoke	brown/grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Welding MIG, TIG, STICK: Steel	Metallic powder, metal oxide smoke	white	P3	PAF-0035 & PAF-0037
Paint Work	Grinding: Paint, lacquers and anti corrosion paint (inc chromium)	Fine paint particles	white	P3	PAF-0035 & PAF-0037
	Spraying & varnishing: Anti-fouling lacquers, lacquers and synthetic lacquers, water-soluble and solvent based paints, bleaching agents, tar, latex paints, paint remover and wood preservatives	Particles & vapours	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
	Spraying & painting: Anti-moulds	Organic vapour and mist	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
	Spraying & varnishing: isocyanates	Solvent vapour and paint particles (Conc. Dependant)		SUPPLIED AIR	NA
	Powder coating	Fine paint particles	white	P3	PAF-0035 & PAF-0037
Wood Work	Sanding & scraping removal: Paint, polyester resin, lacquers & adhesive (inc chromium based)	Fine paint particles	white	P3	PAF-0035 & PAF-0037
	Solvent removal: Paint, resin, adhesive	Solvent vapour	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
	Flame cleaning: Paint and adhesives	Gases, vapours, smoke, fine particles	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Cutting, planing, drilling: Wood (inc beechwood & oak)	Wood dust particles	white	P3	PAF-0035 & PAF-0037
	Gluing: solvent based substances (inc polyester or epoxy resin spray)	Adhesive mists and solvent vapours (Conc. dependant)	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
Fibreglass	Preparing & applying: Epoxy and polyester resin, amine and anhydride hardener; Glass fibre, dust resin and styrene vapour	Methyl ethyl ketine peroxiide (MEKP), styrene vapour	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
	Preparing and spraying fibreglass moulds	Organic vapour and mist	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
Maintenance & Cleaning	Disinfection & cleaning: UNKNOWN WASTE	Organic vapour, mist, dust	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
	Disinfection & cleaning: Agents containing acids	Acids	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Disinfection & cleaning: Agents containing aldehydes	Organic vapour, inorganic vapour, formaldehyde, mist, dust	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Disinfection & cleaning: Moulds	Organic vapour and mist	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
Healthcare & Laboratories	Collection & Handling: Biological material	Particles or mist	white	P3	PAF-0035 & PAF-0037
	Disinfection & Cleaning: Agents Acids or Aldehydes	Organic vapour, inorganic vapour, formaldehyde, mist, dust or Acids	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
Agriculture	Cleaning: Animal pens & feed systems (silos)	Dust particles	white	P3	PAF-0035 & PAF-0037
	Handling & spraying: Pesticide, fungicides, herbicides or organic vapours	Vapour, mist and dust	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
	Handling: Liquid Manure	Gases and vapours	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
Handling & Transport	Sulphur dioxide	Sulphur dioxide	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Hydrochloric Acid	Hydrochloric Acid	grey/yellow	ABE1P3	PAF-0051 (EU) & PAF-0091 (AU)
	Liquid Manure	Liquid Manure	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
	Ammonia	Ammonia	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)
	Bacteria and spores	Bacteria and spores	white	P3	PAF-0035 & PAF-0037
	Formaldehyde	Formaldehyde	brown	A1P3 & A2P3	PAF-0050 & PAF-0077 (EU ONLY)
	HAZARDOUS Goods storage/transport	HAZARDOUS Goods storage/transport	brown/grey/yellow/green	ABEK1P3	PAF-0052 (EU) & PAF-0076 (AU)

1) CleanSpace Technology accepts no liability for incorrect choice of respiratory protective equipment. This chart is only an outline. It is designed to assist in the selection of the most appropriate filter for particular applications. It should not be used as the only means of selecting respirator/filter combination. This guide does not release the user from the obligation to comply with national application regulations and laws and is not a substitute for adhering to and understanding the product instruction manuals. For selection of the correct respiratory protection equipment for your application, consult a safety specialist. IMPORTANT NOTE: Filtering respiratory protection devices should not be used in poorly ventilated areas or confined spaces, such as tanks, small rooms, tunnels or vessels. CleanSpace respirators should not be used in oxygen deficient or oxygen enriched atmospheres or flammable or explosive environments.

IPP

Industrial Protective Products (WA)
Supporting Better Products

3M™ Speedglas™ Powered Air Respiratory Welding Helmets

Variable Dark State Colours.

True-View Technology

3M™ Speedglas™ G5-01VC with Heavy-Duty Adflo™ PAPR

HP SG 617830 - 3M™ Speedglas™ G5-01VC Welding Helmet with Heavy-Duty Adflo™ PAPR

- Features & Benefits
- True-View optics and Variable Colour tones in the dark state
- Largest ever Speedglas welding lens (73 x 109mm)
- Extra dark shade 14 for heavy-duty welding (3/5,8-14)
- Control the airflow in your helmet with climate control
- Configurable extra coverage options
- Removable flip-up visor reduces weight by 35%
- Bluetooth connectivity
- Optional task light specifically designed for welding
- Heavy-duty Adflo PAPR for 12 hours' respiratory protection

True-View Technology

3M™ Speedglas™ 9100XXi MP Air with Adflo™ PAPR

HP SG 577726 - 3M™ Speedglas™ 9100XXi MP Air Welding & Safety Helmet with Adflo™ PAPR

HP SG 577726HD - 3M™ Speedglas™ 9100XXi MP Air Welding & Safety Helmet with Heavy-Duty Adflo™ PAPR

- Features & Benefits
- Integrated safety helmet with flip-up grinding visor
- True-View optics for improved colour and contrast
- Extra-large 73 x 107mm viewing area
- Peripheral SideWindows for enhanced vision
- Award winning respiratory protection (RMPF = 50)
- Powered air flow of 170/200 litres per minute
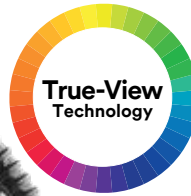- Available with 8 hour standard battery (part no. 577726) or 12 hour heavy-duty battery (part no. 577726HD)

True-View Technology

3M™ Speedglas™ 9100XXi FX Air with Adflo™ PAPR

HP SG 547726 - 3M™ Speedglas™ 9100XXi FX Air Welding Helmet with Adflo™ PAPR

HP SG 547726HD - 3M™ Speedglas™ 9100XXi FX Air Welding Helmet with Heavy-Duty Adflo™ PAPR

Features & Benefits
- Flip-up mechanism reveals a clear grinding visor
- True-View optics for improved colour and contrast
- Extra-large 73 x 107mm viewing area
- Peripheral SideWindows for enhanced vision
- Award winning respiratory protection (RMPF = 50)
- Powered air flow of 170/200 litres per minute
- Available with 8 hour standard battery (part no. 547726) or 12 hour heavy-duty battery (part no. 547726HD)

True-View Technology

3M™ Speedglas™ 9100XXi Air with Adflo™ PAPR

HP SG 507726 - 3M™ Speedglas™ 9100XXi Air Welding Helmet with Adflo™ PAPR

HP SG 507726HD - 3M™ Speedglas™ 9100XXi Air Welding Helmet with Heavy-Duty Adflo™ PAPR

Features & Benefits
- External button for grind and memory modes
- True-View optics for improved colour and contrast
- Extra-large 73 x 107mm viewing area
- Peripheral SideWindows for enhanced vision
- Award winning respiratory protection (RMPF = 50)
- Powered air flow of 170/200 litres per minute
- Available with 8 hour standard battery (part no. 507726) or 12 hour heavy-duty battery (part no. 507726HD)

Part No.	Suits	Description	Part No.	Suits	Description
HP SG 526000	All 9100 Series, G5-01	External cover lens standard (Pk=10)	HP SG 4230009002NC	9000	Flexview grinding lens plate (Pk=10)
HP SG 528025	9100XXi, 9100XX, G5-01	Internal cover lens (Pk=5)	HP SG 4260009002NC	9000	External cover lens standard (Pk=10)
HP SG 169505	9100, 9100 FX, 9100 Air, 9100 FX Air	Sweatband (Pk=5)	HP SG 428010	9002NC, 9002X	Internal cover lens (Pk=5)
HP SG 198505	G5-01	Sweatband (Pk=5)	HP SG 169200	G5-01	Task light kit
HP SG 168505	9100 MP Air, 9002NC, 9000, SL, 100V	Sweatband (Pk=5)	HP SG 169100	All Series	Head cape
HP SG 523000	9100 FX, 9100 FX Air	Visor plate (Pk=5)	HP SG 776000	100V	External cover lens standard (Pk=10)
HP SG 613000	G5-01	Visor plate anti-fog (Pk=5)	HP SG 428000	100V	Internal cover lens (Pk=5)
HP SG 534000	9100 FX Air	Face seal	HP SG 836010	Adflo PAPR	Pre-filter (Pk=5)
HP SG 534100	9100 Air	Face seal	HP SG 837010	Adflo PAPR	Particle filter
HP SG 534200	9100 MP Air	Face seal	HP SG 837110	Adflo PAPR	Odour filter
HP SG 614000	G5-01	Face seal	HP SG 837542	Adflo PAPR	A1 gas filter
HP SG 169005	9100, 9100 Air	Head cover	HP SG 837630	Adflo PAPR	Standard Li-ion battery
HP SG 169007	9100 FX, 9100 FX Air	Head cover (large)	HP SG 837631	Adflo PAPR	Heavy duty Li-ion battery
HP SG 169023	G5-01	Head cover (large)	HP SG 833111	Adflo PAPR	Li-ion battery charger
HP SG 169042	G5-01	Neck cover (large)	HP SG 834016	Adflo PAPR	Self-adjusting breathing tube
HP SG 422000	9100 Series, 9000, 100V	Lithium battery (Pk=2)	HP SG 834017	Adflo PAPR	Self-adjusting heavy-duty rubber breathing tube
HP SG 602000	G5-01	Lithium battery	HP SG 834018	Adflo PAPR	Flame resistant breathing tube cover

IPP Industrial Protective Products (WA)
Supporting Better Products

Airline & Escape

Ideal for environments where ambient oxygen cannot be guaranteed, airline breathing apparatus combines the highest degree of respiratory protection with long duration use.

Air Supplied Respirators.

There are commonly three types of air-supplied breathing apparatus which are each suited to different tasks;

• Airline breathing apparatus
• Escape breathing apparatus
• Self Contained Breathing Apparatus (SCBA)

Airline breathing apparatus are available as either constant flow airline or positive pressure demand airline system.

Constant flow airline apparatus is typically a combination of an airline face mask with a short air hose and also a filter. The short air hose connects to a control valve on a waist belt. The filter is used when entering and exiting the contaminated job. When a worker enters the contaminated work site they would plug the control valve on their waist belt to an air hose, which is connected to either an airline trolley with cylinders or other air supply.

Positive pressure airline apparatus includes a positive pressure full face mask and pneumatics with demand valve and a short hose on a bandolier style harness (optional hip mounted escape cylinder is available). The pneumatics connects to the breathing air hose, which is connected to either an airline trolley with cylinders or other air supply. Positive pressure airline systems are particularly suited to confined space entry and are popular in the oil and gas industry for maintenance when entering into tanks and pipework.

Air cylinder trolley's are available with up to 4 cylinders supplying air for up to 4 employees. This system can offer infinite working duration as one cylinder can be changed whilst taking air from another cylinder.

Escape Breathing Apparatus also known as Emergency Life Support Apparatus are designed only for escape from hazardous conditions as they normally only include very short-duration compact air cylinders.

Scott offer the ELSA (Emergency Life Support Apparatus) with 15 minute duration cylinders. These products should **NOT** be used for normal working activities, entry to hazardous areas or rescue work.

Constant Flow Airline range

Compressed Air Source	Compressed Air Filtration	Airline Hose	Control Units	Airline Head tops
• Industrial Compressor • Portable Compressor	• Breathing air filters • 2 man or 4 man • High efficiency filtration	• PVC hose / CEN or CEJN coupling • Anti-static hose • Different lengths	• Pressure regulator • Waist belt mounted	• Loose fitting headtops • Tight fitting headtops

This range is designed to operate from an industrial compressed air system but other air sources like an airline trolley or cylinders are also suitable. Air is delivered to a facepiece via a breathing hose. Air flow is controlled by a belt mounted regulator or from the filtering unit depending on the facepiece. The flow rate is easily checked by using the flowmeter. A compressed air supply hose connects the wearer to a source of compressed air.

3M™ Versaflo™ Supplied Air Respirator V-500E & Kit

Versaflo™ Supplied Air Regulator Kit, V-500E includes air regulator with locking adjustment knob and integrated low air flow warning whistle, silencer, replacement carbon filter, auxillary port and user instructions. Suits the range of M Series and S Series Versaflow headtops.

Model #	Description
RP 3M V-500E	Supplied Air Regulator (Excludes breathing tube).
RP 3M 902-03-84	Versaflo™ Spray Painter Kit, ALVM-206E c/w V-500 supplied air regulator and M-206 headtop
RP 3M 902-03-86	Versaflo™ Kit ALVM-406E c/w V-500 supplied air regulator and M-406 headtop

V-100 Cooling Airline Belt System
Cooling Airline Kit includes Cooling Vortex Kit, V-100, muffler, hose connector, BT-30 adjustable breathing tube, waist belt and user instructions. Suits the range of M Series and S Series Versaflow headtops.

AT019167983

Model #	Description
RP 3M 902-02-18	Cooling Airline Kit with adjustable Breathing Tube
RP 3M 902-01-77	Cooling Airline Regulator - Without Breathing Tube

V-300 Standard Airline Kit
Standard Airline Kit includes Standard Airline Regulator, V-300, muffler, hose connector, belt and instructions. Suits the range of M Series and S Series Versaflow headtops.

902-02-17

Model #	Description
RP 3M 902-01-78	Standard Airline Kit without Breathing Tube
RP 3M 902-02-17	Standard Airline Kit with QRS breathing tube

Stethoscope Breathing Tube Sets

901-00-71

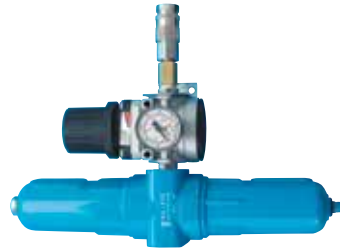| Model #	Description
RP 3M 901-00-71	SA-2000 Dual Airline complete with CEJN Fitting and SA-1007 valve regulator
RP 3M 902-03-15	SA-2100 Combination Dual Airline complete with CEJN Fitting and SA-1007 valve regulator. Capability of fitting negative pressure filters as well as positive pressure airline protection

Airline Breathable Air Hoses - CEJN Fittings

Model #	Description
RP 3M 901-00-56	Breathing Hose 7.5m - CEJN
RP 3M 901-00-55	Breathing Hose 10m - CEJN
RP 3M 901-00-54	Breathing Hose 15m - CEJN
RP 3M 901-00-63	Breathing Hose 30m - CEJN

Airline 3 Outlet Panel (1020L/min)

Model #	Description
RP 3M 901-00-47	Air Panel with CEJN Fittings - 3 person
RP 3M 901-00-50	Coalescing Element
RP 3M 901-00-49	Carbon Element

Airline 1 Outlet Panel (425L/min)

Model #	Description
RP 3M 901-01-07	Breathing Air Panel - 1 Fitting, 1 person
RP 3M 901-01-09	Coalescing Element
RP 3M 901-01-10	Carbon Element

6800

7502

Stethoscope Airline Systems Full and Half Facepiece Sets
SA-2100 Dual Airline Backmount Adapter Kit, 6800 full face mask, 12mm BSPT Male Nipple - includes 6880 blanking caps

SA-2500 & SA-1007

Model #	Description
RP 3M 68SA2	Full Facepiece System - Medium Kit c/w 6000 series full face mask, SA-2500 stethoscope breathing tube, SA-1007 valve regulator & belt and 901-00-73 CEJN Male tail
RP 3M 69SA2	Full Facepiece System - Large Kit c/w 6000 series full face mask, SA-2500 stethoscope breathing tube, SA-1007 valve regulator & belt and 901-00-73 CEJN Male tail
RP 3M SA-2500	Stethoscope Breathing Tube (1)
RP 3M 901-00-73	CEJN Male Tail with 1/4" NPTM (2)
RP 3M SA-1007	Regulating Valve Belt & Clip

V-200 Heating Airline Belt System
Heating Airline Kit includes Heating Vortex kit, V-200, muffler, hose connector, waist belt and user instructions.Suits the range of M Series and S Series Versaflow headtops.

Model #	Description
RP 3M 902-02-85	Heating Airline Kit with Breathing Tube

3M™ Scott Flite COV Airline Breathing Apparatus

- Easy to don bandolier harness with padded shoulder strap
- Optional 10 or 15 minute air supply for emergency escape from hazard situations, must be worn in IDLH
- Can be used with Scott range of positive pressure masks (sold separately)
- If primary air supply source is interrupted a switchover to emergency cylinder air supply is immediately activated by the automatic change over valve to facilitate safe egress
- Warning whistle informs user switch has been made to cylinder air

Model #	Description
RP SCO 2031077	Flite COV Airline Breathing Apparatus DV CEN
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 2031535	200 bar 10 min steel cyl c/w pouch and reducer/hose Full
RP SCO 2031537	200 bar 15 min steel cyl c/w pouch and reducer/hose Full
RP SCO 2031539	300 bar 10 min carbon cyl c/w pouch hose Full
RP SCO 2031603	Spare cylinder pouch CYL-FLITE-10
RP SCO 2031604	Spare cylinder pouch CYL-FLITE-15
RP SCO 2031605	Spare cylinder pouch CYL-FLITE-SL
RP SCO 2010722	Flite fast fill adaptor
RP SCO 084.059.01	Breathing apparatus log book Ind
RP SCO 089.386.00	Testkit and toolkit
RP SCO 018.008.99	Charge adaptor handwheel liner 207 Bar
RP SCO 010.125.00	Flite storage/carrying case

XP100138815

3M™ Scott RAS Asbestos Positive Pressure Airline Breathing Apparatus
Easy to don bandolier with wipe clean harness
Can be used with Promask RAS and Vision 3 RAS range of positive pressure masks Facemask fitted filter for site entry and egress
In-line particulate filter

Model #	Description
RP SCO 2024492	RAS Asbestos Airline Kit Vision 3 P3 Filter
RP SCO 2001746	Vision 3 LQF RAS M/L DIN Full Face Mask
RP SCO 2025005	RAS Asbestos Spare Harness Only
RP SCO 5013166	Promask PP LQF RAS M/L DIN Full Face Mask HC STD
RP SCO 2023447	RAS Asbestos (Less facemask)
RP SCO 2025005	Spare harness

3M™ Scott Modulair Airline Trolley
- Compact, easy to use airline trolley system
- Capacity to hold 2 cylinders for 2 man operation or to hold 4 cylinders for 4 man operation
- Suitable for ships, councils, sewage treatment, refineries, mining, confined space entry and extended duration use

Model #	Description
RP SCO 1051844	Modulair Trolley With Hose Reel 2P 2Cyl
RP SCO 1051880	Modulair Trolley With Hose Reel 4P 4Cyl
RP SCO 1051945	Modulair 2 Person 2 Cylinder
RP SCO 1051902	Modulair Hose Reel Only
RP SCO 1118245T	Cylinder 6.8L 300 Bar Carbon c/w T valve
RP SCO 1127413T	Cylinder 9L 300 Bar Carbon c/w T valve
RP SCO 1051467	20 Mtr Black PVC Hose With CEN Couplings

3M™ Scott CEN-PAQ Short Duration SCBA
- Proven, effective pneumatic system with first breath activation
- Designed to fit a wide range of body sizes
- Hook and loop fastening waistcoat
- Hi Vis PVC material or anti-static material options available
- 30 minute duration
- Used with Scott Promask PP or Vision 3 Full Face Respirators
- Mask and Cylinders purchased separately

Model #	Description
RP SCO 1044960	Cen-Paq Hi Vis Orange Vest 30 Min
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 2006638	Cylinder 4.7L 300 Bar Carbon 30 Min
RP SCO 2006634	Cylinder 3L 300 Bar Steel

SR 307

Compressed air attachment
art no H03-1412

The SR 307 compressed air attachment is designed for connection to Sundström half masks and full face masks.
This combination forms a breathing apparatus designed for
continuous air flow, for connection to a compressed air supply. The SR 307 is an accessory that enables a given facepiece to
be used as either a filtering device or a protective device supplied with compressed air. The compressed air attachment is especially intended for applications involving heavy and sustained work in environments in which the pollutants have poor warning properties or are particularly toxic.

SR 507

Compressed air attachment
art no H03-0612

The SR 507 compressed air attachment is designed for connection to Sundström hoods SR 520/ SR 530/ SR 561/ SR 562, visors
SR 570/SR 540 EX, half mask SR 900, helmet with visor SR 580 and welding shield/helmet with visor SR 584/ SR 580. This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply. The SR 507 is an accessory that enables a given face piece to be used as either a protective device supplied with compressed air or a powered air purifying respirator (PAPR). The compressed air attachment is especially intended for applications involving heavy and sustained work in environments in which the pollutants have poor warning properties or are particularly toxic.

SR 200 AIRLINE

Airline PC art no H03-1012
Airline Glass art no H03-1212

SR 200 airline with filter backup. This consists of an SR 200 full mask with a hose connection mounted in the front part of the mask where the air from the regulating valve enters. A suitable filter/filter combination in the mask offers protection in the event of loss of pressure and when moving to and from the workplace. Complete with regulating valve and belt.
- In restricted spaces, the equipment can be used with a plugged front hole
- Specially developed for environments requiring a high protection factor
- The air flow is controlled by the regulating valve in the belt to assure a flow rate of between 150 and 320 l/min
- The inlet pressure to the regulating valve shall be 5 - 7 bar
- A flow meter and warning whistle for temporary and continuous monitoring of the air flow are included
- The breathing hose can be detached from both the mask and regulating valve, allowing the face piece to be used as a regular full mask with a filter, or connected to one of Sundström Safety's fans SR 500 or SR 700

SR 63

Compressed Air
Hood
art no H03-0312

SR 99-1

Compressed air filter
art no H03-2810

The SR 99-1 compressed air filter is used for producing clean breathing air from ordinary compressed air. The unit consists
of a regulator, pre-collector and main filter, all of which are mounted in an enclosing steel sheet stand.
The unit can be placed on the floor or mounted on a wall.
The pre-separator has automatic drainage, separates coarser particles, water and oil.

Compressed air hood SR 63 consists of a hood in durable fabric reinforce PVC with a large visor in shatterproof polycarbonate with an easily adjustable harness. Complete with regulating valve and belt.
- Can be equipped with a protective film
- The air flow is controlled by the regulating valve in the belt to assure a flow rate of between 150 and 240 l/min
- The inlet pressure to the regulating valve shall be 4 - 7 bar
- A flow meter and warning whistle for temporary and continuous control of the air flow are included

Practical accessories

SR 292 Filter cartridge
art no R03-2001

Y coupling
art no R03-2127

The SR 292 main filter consists of a carbon filter part (500g), surrounded by two P3 particulate filters. The air is cleaned to remove any remaining particles/gases/vapours/odours. A Y coupling that increases the number of outlets is available as accessory.

IPP Industrial Protective Products (WA)
Supporting Better Products

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 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.

MSA Miniscape Escape Respirator

RP MSA 10038560

The Miniscape 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 Miniscape fits into your pocket and can also be belt mounted.

The Miniscape 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 Miniscape 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.

Dräger PARAT® Filtering Escape hood

The Dräger PARAT® filtering escape devices with hood, was developed with the focus on the fastest possible escape. Optimized operation and wearing comfort, a robust housing and a high capacity filter ensure protection from toxic industrial gases, vapours and particles (depending on model) for at least 15 minutes.

- Visible hood and automatically adjusting internal head harness, gives eye protection along with respiratory protection.
- Automatic activation when the hood is removed for donning. This enables donning within seconds.
- The high-performance filter reliably protects against a wide range of toxic fire-related gases, vapours and particles for a minimum 15 mins.
- PARAT 4700 - For industrial gas escape with ABEK P3 filter
- PARAT 5500 - For fire escape with CO P3 filter
- PARAT 7500 - For Industrial Fire escape - with ABEK CO P3 filter
- 16 year maintenance free product life with one filter change in 8 years.

Model #	Description
RP DRA R59421	PARAT 4720 , Soft Pack. IP5
RP DRA R59431	PARAT 4730 , Hard Pack. IP54
RP DRA R59425	PARAT 5520 , Soft Pack. IP5
RP DRA R59435	PARAT 5530 , Hard Pack. IP54
RP DRA R59427	PARAT 7520 , Soft Pack. IP5
RP DRA R59437	PARAT 7530 , Hard Pack. IP54

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 communicat
- 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

Industrial Protective Products (WA)
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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.

Scott Safety ELSA Emergency Escape Apparatus
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 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.

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.

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.

MSA Lifegard III
RP MSA 764975
Short duration (8 minutes) escape respirator for use in irrespirable atmospheres. The Lifegard 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.

MSA Alpha Space Breathing Appartus
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.

Dräger Emergencey Escape Saver PP

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
- 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.

Model #	Description
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

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 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]

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]

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.

3M™ Scott ProPak-fx T2 SCBA

The 3M™ Scott ProPak-Fx is a Type 2 open circuit, self-contained, compressed air breathing apparatus. It consists of a back plate, padded carrying harness and pneumatic system, containing a cylinder connector, reducer, pressure gauge, whistle and demand valve.
The ProPak-Fx can be configured in a number of different ways with various size single cylinders. There are also a range of variants available including Airline (AC), Split Demand Valve Coupling (SDC or Y2C), Quick Connect Option or Duo variants. The ProPak-Fx is used in conjunction with either Promask PP or Vision 3 PP face mask and a choice of composite or steel cylinders.
Specifically designed as a professional fire fighting SCBA, the ProPak-Fx is also suitable for providing respiratory protection in any IDLH environment.
ProPak-Fx also offers a Pivot and height adjustable waist belt for increased wearer comfort to suit most people.

Features and Benefits:
- Designed for use by the Fire Service
- Rigid backframe construction
- Easily removable pneumatics
- Cost effective to service and maintain
- Adjustable padded shoulder straps
- Kevlar & Pyrogard blend wrap around harness
- Side arms for increased user comfort
- Reflective webbing
- Pivot and height adjustable waist belt for increased wearer comfort
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED

Model #	Description
RP SCO 2027195	SCBA Propak-Fx
RP SCO 2027197	SCBA Propak-Fx-SDC T2
RP SCO 2027196	SCBA ProPak-fx-AC-T2
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245RAV	Cylinder 6.8L 300 Bar Carbon Fibre RAV
RP SCO 1127413RAV	Cylinder 9L 300 Bar Carbon Fibre RAV
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott Sigma 2 T2 SCBA
- Designed for marine, industrial, confined space entry, rescue or industrial firefighting
- Proven high performance pneumatic system
- Compact first breath activated demand valve with bypass
- Ergonomically designed lightweight backplate and type 2 harness
- Kevlar blend flame retardant webbing with Kevlar cylinder band
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED

Model #	Description
RP SCO 2023034	SCBA Sigma 2 T2 Compliance set
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245T	Cylinders 6.8L 300 Bar Carbon Fibre T valve
RP SCO 1127413T	Cylinders 9L 300 Bar Carbon Fibre T valve
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott ProPak-i T2 SCBA
- Designed for use by the fire service or the oil & gas market and industrial, confined space industry.
- Rigid backframe construction
- Easily removable pneumatics
- Cost effective to service and maintain
- Kevlar blend wrap around harness
- Side arms for increased user comfort
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED

Model #	Description
RP SCO 2027166	SCBA Propak-I T2 Industrial
RP SCO 2027167	SCBA ProPak-I-AC-T2 with airline
RP SCO 2027174	SCBA ProPak-I with fast fill
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245RAV	Cylinder 6.8L 300 Bar Carbon Fibre RAV
RP SCO 1127413RAV	Cylinder 9L 300 Bar Carbon Fibre RAV
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott ProPak-f T2 SCBA
- Designed for use by the Fire Service or the Oil & Gas market
- Rigid backframe construction
- Easily removable pneumatics
- Cost effective to service and maintain
- Adjustable padded shoulder straps
- Kevlar & Pyrogard blend wrap around harness
- Side arms for increased user comfort
- Reflective webbing
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED

Model #	Description
RP SCO 2027182	SCBA Propak-F T2
RP SCO 2027184	SCBA Propak-F-SDC T2
RP SCO 2027189	SCBA ProPak-f with fast fill
RP SCO 2027183	SCBA ProPak-f-AC T2 with airline
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245RAV	Cylinder 6.8L 300 Bar Carbon Fibre RAV
RP SCO 1127413RAV	Cylinder 9L 300 Bar Carbon Fibre RAV
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott Propak Classic Type 2 SCBA
- Designed for use in various professional fire fighting and industrial applications
- Ergonomically designed, strong, lightweight, moulded back plate
- 100% Kevlar padded webbing harness
- Harness Intrinsically flame retardant 50% Kevlar blend webbing and Nomex 3 fabric
- Optional airline and decontamination attachments
- Mask & cylinders purchased separately
- Certified to AS/NZS 1716:2012 and EN137:1998 Type 2

Model #	Description
RP SCO 2015294	Propak SCBA - backplate, harness & pneumatics
RP SCO 2016154	ProPak-Duo-AC-F
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1118245T	Cylinders 6.8L 300 Bar Carbon Fibre T valve
RP SCO 1051962	MAN-300 Manifold ASSY 300 BAR

3M™ Scott ProPak Sigma T2 SCBA
- Designed specifically for use as a compliance set in Marine or Industrial fire fighting environments
- Rigid backframe construction
- Easily removable pneumatics
- Cost effective to service and maintain
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2 MED

3M Order Code	Model #	Description
XP100141959	2027150	SCBA Promask Sigma T2
AT010695230	2027152	SCBA ProPak-Sigma-AC T2
XP100544202	013190	Promask PP Left Quick Fit Full Face Mask
XP100071271	1071671	Vision 3 PP Left Quick Fit Full Face Mask
AT010700105	1118245RAV	Cylinder 6.8L 300 Bar Carbon Fibre RAV
AT010660218	1127413RAV	Cylinder 9L 300 Bar Carbon Fibre RAV
AT010645821	2014810	SCBA Moulded Carry Case

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Industrial Protective Products (WA)
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3M™ Scott ProPak-fx-Ez-Flo T2 SCBA
- Designed for use by the Fire Service
- Certified with AV3000HT PP Full Face mask or Scott Sight TIM (Thermal Imaging in Mask) with Ez-Flo Demand Valve
- Rigid backframe construction with adjustable backplate
- Easily removable pneumatics
- Cost effective to service and maintain
- Adjustable padded shoulder straps
- Kevlar & Pyrogard blend wrap around harness
- Side arms for increased user comfort
- Reflective webbing
- Pivot and height adjustable waist belt for increased wearer comfort
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2

*see mask section for other sizes and comms masks)

Model #	Description
RP SCO 2031958	PROPAK-F-EZ-Flo (V2)
RP SCO 2031960	ProPak-f-Ez-flo-AC with airline
RP SCO 2031961	PROPAK-F-EZ-Flo-SDC Split Demand Valve Coupling CEN
RP SCO 8005243	AV3000HT Medium 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
RP SCO 8004794	Ez-Flo With SDC Hose

3M™ Scott ProPak-f-Ez-Flo T2 SCBA
- Designed for use by the Fire Service or the Oil & Gas market
- Certified with AV3000HT PP Full Face mask or Scott Sight TIM (Thermal Imaging in Mask) with Ez-Flo Demand Valve
- Rigid backframe construction
- Easily removable pneumatics
- Cost effective to service and maintain
- Adjustable padded shoulder straps
- Kevlar & Pyrogard blend wrap around harness
- Side arms for increased user comfort
- Reflective webbing
- Certified to AS/NZS 1716:2012 and EN137:2006 Type 2

Model #	Description
RP SCO 2031988	Propak-Fx-Ez-Flo
RP SCO 2031991	Propak-Fx-Ez-Flo-SDC W Split Demand Valve
RP SCO 2031990	ProPak-fx-Ez-flo-AC with airline
RP SCO 8005243	AV3000HT M Face Mask
RP SCO 1118245RAV	Cylinder 6.8L 300 Bar Carbon Fibre RAV
RP SCO 1127413RAV	Cylinder 9L 300 Bar Carbon Fibre RAV
RP SCO 2014810	SCBA Moulded Carry Case
RP SCO 8004794	Ez-Flo With SDC Hose

3M™ Scott Contour 100 SCBA
- Designed for use in various industrial applications
- Ergonomically designed, strong, lightweight, moulded back plate
- First breath demand valve
- Kevlar blend non-padded web harness
- Optional airline and fast fill decontamination attachments
- Mask & cylinders purchased separately
- Certified to AS/NZS 1716:2012 and EN137:1998 Type 1

Model #	Description
RP SCO 2009236	CTR-100 DUO with Fast Fill
RP SCO 1051962	MAN-300 Manifold Assy 300 Bar
RP SCO 2009536	CTR-100 SINGLE + Fast Fill
RP SCO 2025187	CTR-100 + Fast Fill SCBA
RP SCO 2025188	CTR-130 + Fast Fill + RSM SCBA
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245T	Cylinders 6.8L 300 Bar Carbon Fibre T valve
RP SCO 1127413T	Cylinders 9L 300 Bar Carbon Fibre T valve
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott Contour 300 SCBA
- Designed for use in various industrial applications
- Ergonomically designed, strong, lightweight, moulded back plate
- 100% Kevlar padded webbing harness
- Flame retardant webbing with Kevlar cylinder band
- Optional airline and decontamination attachments
- Mask & cylinders purchased separately
- Certified to AS/NZS 1716:2012 and EN137:1998 Type 1

Model #	Description
RP SCO 2017794	CTR-300-F-Y C/W Promask PP
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 1071671	Vision 3 PP Left Quick Fit Full Face Mask
RP SCO 1118245T	Cylinders 6.8L 300 Bar Carbon Fibre T valve
RP SCO 1127413T	Cylinders 9L 300 Bar Carbon Fibre T valve
RP SCO 2014810	SCBA Moulded Carry Case

Industrial Protective Products (WA)
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3M™ Scott SCBA Compliance Kit

The 3M™ Scott Compliance Kit has everything you need in one kit. It comes complete with a Sigma 2 Type 2 SCBA set, a Promask LQF positive pressure Full Face mask and a 6.8L, 300 Bar carbon-wrapped cylinder in a large carry bag. Suitable for general industry and for short duration confined space entry work and rescue, petrochemical, oil and gas applications.

Features and Benefits:
- Designed for marine, industrial, confined space entry, rescue or industrial firefighting
- Proven high performance pneumatic system
- Compact first breath activated demand valve with bypass
- Ergonomically designed lightweight backplate and type 2 harness
- Kevlar blend flame retardant webbing with Kevlar cylinder band

Kit includes:
- Sigma 2 Type 2 compliant SCBA harness and pneumatics
- Promask PP with left-quick-fit port to suit demand valve
- 6.8 litre, 300 bar carbon composite breathing air cylinder with T valve
- Heavy duty rip-stop nylon carry bag
- 300 Bar carbon-wrapped cylinder

Model #	Description
RP SCO SCBACOMP6T2	SCBA Marine Compliance Set

3M™ Scott Promask PP LQF Full Face Mask
- Accommodates a wide range of facial shapes and sizes
- Positive pressure mask made from Halo Butyl rubber Procomp™ non-irritating material with reflex seal and TPE (Thermo Plastic Elastomer) oronasal inner mask
- The face piece visor features a single plane curvature to minimise reflection and is made of a scratch and impact resistant polycarbonate material with a flame-retardant coating that provides excellent panoramic vision
- Available with optional prescription lens insert for spectacle wearers
- Left side demand valve connection for unobstructed field of vision
- Front mounted speech diaphragm offers unimpeded speech transmission
- Certified to AS/NZS 1716:2012

Model #	Description
RP SCO 013190	Promask PP Left Quick Fit Full Face Mask
RP SCO 013192	Promask PP REQF LQF
RP SCO 2032231	Promask PP LQF HC EPIC 3 M L Rubber Head Harness
RP SCO 2032232	Promask PP LQF HC EPIC 3 Sml Rubber Head Harness
RP SCO 5013166	Promask PP LQF RAS MI HC Std
RP SCO 2001703	Blank Plug REQF
RP SCO 012692	Rubber Head Harness (2)
RP SCO 012775	Webbing Head Harness Promask Suit M98

3M™ Scott Vision 3 PP Full Face Mask
- Left Quick Fit demand valve connection
- Rubber and net head harness options
- Non-dermatitic liquid silicone outer mask
- Hemispherical visor provides excellent field of vision
- TPE inner mask
- Hard coated anti-scratch visor
- Excellent speech transmission
- Voice amplifier and radio comms available
- Variety of sizes for improved fit
- Certified to AS/NZS 1716:2012

Model #	Description
RP SCO 1071671	Vision 3 LQF Facemask Std Harness
RP SCO 2001746	Vision 3 LEQF RAS RDIN M L Full Face Mask
RP SCO 2008699	Vision 3 LQF REQF Facemask
RP SCO 2032227	Vision PP LQF HC EPIC 3 M L Rubber Head Harness
RP SCO 2032228	Vision PP LQF HC EPIC 3 Sml Rubber Head Harness
RP SCO 1033400	Vision 3 NET Head Harness
RP SCO 2001703	Blank Plug REQF

3M™ Scott
AV3000HT PP Full Face Mask
- High performance anti-fog lens for improved thermal performance
- Proven SureSeal reflex faceseal for excellent fit and comfort
- Designed to accept front fitting EZ-Flo demand valve
- Right or left EPIC 3 communications bracket for maximum versatility
- Speech diaphragm on both sides for improved voice transmission
- 5 Point Kevlar head harness with neck strap suitable for Fire & CBRN applications
- Thermal performance passes NFPA heat requirement of 15Kw/M2
- Available in 3 sizes
- Certified to AS/NZS 1716:2012, EN136 Class 3 with ProPak-f and ProPak-fx

Model #	Description
RP SCO 8005242	AV3000HT S Face Mask
RP SCO 8005243	AV3000HT M Face Mask
RP SCO 8005244	AV3000HT L Face Mask
RP SCO 8005245	AV3000HT RECB Small Kevlar Face Mask
RP SCO 8005246	AV3000HT RECB Med Kevlar Face Mask
RP SCO 8005247	AV3000HT RECB Large Kevlar Face Mask
RP SCO 8005248	AV3000HT LECB Small Kevlar Face Mask
RP SCO 8005249	AV3000HT LECB Med Kevlar Face Mask
RP SCO 8005250	AV3000HT LECB Large Kevlar Face Mask

3M™ Scott EPIC 3 Bluetooth® Lapel Speaker Microphone
- Supports wireless communications between EPIC 3 RI Voice Amplifier
  and remote speaker microphone operation with two-way field radios
- Provides seamless tactical and non-tactical communication capabilities
- Also offers connectivity with EPIC 3 - communication accessories

Model #	Description
RP SCO 201224-02	EPIC 3 Lapel SM Motorola HT1000, XTS Series Radios
RP SCO 201224-04	EPIC 3 Lapel SM Motorola HT750/1250/1550 Series Radios
RP SCO 201224-06	EPIC 3 Lapel SM Motorola MOTOTRBO XPR, APX Series Radios
RP SCO 201224-07	EPIC 3 Lapel SM Kenwood TK280/290/380/390 Series Radios
RP SCO 201224-22	EPIC 3 Lapel SM Harris P5400/7300, Unity, XG Series Radios

3M™ Scott Sight Hands Free
Thermal In-Mask Imaging System
- Mask integrated lightweight thermal camera and display
- Hands free thermal vision system enables firefighter to work more efficiently and safely
- Enhanced situational awareness with improved hot zone accountability
- Powerful and lightweight at only 240 grams
- 160 x 120 pixel resolution at 9 frames per second display
- Adjustable display angle configurable to line-of-sight
- Minimum four-hour battery life – powered by 5 x regular AAA batteries
- Spot or ambient temperature settings (Fahrenheit or Celsius)
- User configurable screen options
- Electronics certified to ATEX/IECX and IP 66/67
- Mask certified to AS/NZS 1716:2012
- Optional Left-Side comms bracket for EPIC 3 voice amp

Model #	Description
RP SCO 8005263	Scott Sight S AV3000HT Small
RP SCO 8005264	Scott Sight AV3000HT Medium
RP SCO 8005265	Scott Sight L AV3000HT Large
RP SCO 8005266	Scott Sight S ECB AV3000HT LECB Small
RP SCO 8005267	Scott Sight M ECB AV3000HT LECB Medium
RP SCO 8005268	Scott Sight ECB AV3000HT Large

3M™ EPIC Lapel Speaker Microphone
- Rugged Lapel Speaker Microphone (LSM) option for users without an OEM LSM
- Works well with EPIC 3 Voice Amplifier
- Provides clear communication
- Supports EPIC wired accessories
- Front microphone and speaker for Remote Speaker Mic operation
- Top mounted Emergency Notification button for use with
  select field radios
- Durable IP66/67 rated system for use in demanding high temperature environments
- 50 hours of battery life with Alkaline AAA batteries

Model #	Description
RP SCO 201277-06	EPIC 3 Bluetooth Lapel Sm Motorola Mototrbo XPR, APX Series Radios
RP SCO 201277-11	EPIC 3 Bluetooth Lapel Sm Motorola
RP SCO 201277-02	EPIC 3 Bluetooth Lapel Sm Motorola HT1000, XTS Series Radios, GP300 Series Radios
RP SCO 201277-04	EPIC 3 Bluetooth Lapel Sm Motorola HT750/1250/1550 Series Radios
RP SCO 201277-07	EPIC 3 Bluetooth Lapel Sm Kenwood TK280/290/380/390 Series Radios
RP SCO 201277-22	EPIC 2 Bluetooth Lapel Sm Harris P5400/7300, Unity, XG Series Radios

EPIC related questions:

1. Is only voice amp needed?

2. What Radio is used?

3. Is the Radio used Bluetooth capable?

4. If so is a Lapel/Push to Talk (PTT) needed?

5. How many of each is needed?

6. What type of mask is needed, Promask, Vision or AV3000HT (only used on ProPak-f/fx-Eze Flo)?

*Please note existing Promask/Vision and Vision AMS are not able to be upgraded to add Epic comms port, customers will need to purchase a new mask that has Epic comms bracket fitted.

3M™ EPIC 3 Accessories
- Specialised communication accessories that extend EPIC 3 utility include; command headset, throat microphone with earpiece, remote finger-mounted ring PTT control and remote PTT paddle device

Model #	Description
RP SCO 201226-01	EPIC 3 Ring PTT
RP SCO 201227-01	EPIC 3 Paddle PTT
RP SCO 201228-01	EPIC 3 Throat MIC
RP SCO 201229-01	EPIC 3 Command COM Headset
RP SCO 201243-01	EPIC 3 Bluetooth Programmer Interface Module W/USB
RP SCO 200715-01	EPIC 3 AV3000 COMMS Bracket Right

3M™ Scott EPIC 3 Voice Amplifier

- Compact, high performance voice amplifier
- Automatic Shutoff reduces costs of battery replacement
- Intrinsically safe for use with alkaline and NiMH AAA batteries
- IP66/IP67 rated design is robust enough to withstand the most extreme applications
- Tactile On/Off button makes it easy to activate with gloved hands
- Angled directional speaker projects amplified voice forwards
- Compatible with Promask, Vision 3 and AV3000 positive pressure facemasks (with comms bracket)
- ATEX/IECEX certifications: Ex ia IIB T3 Ga IP66/67 Complies with IEC standards IEC 60079-0: 2007-10 Edition 5; and IEC 60079-11: 2011 Edition 6.0

Model #	Description
RP SCO 201275-03	EPIC 3 Voice AMP to suit Vision Face Piece
RP SCO 201275-04	EPIC 3 Voice AMP to suit Promask Face Piece
RP SCO 201275-01	EPIC 3 Voice Amp Open Bracket AV3000HT

3M™ Scott EPIC 3 Radio Interface Voice Amplifier

- Compact, SCBA mask mounted voice amplifier and wireless radio communications device
- Enhances SCBA facepiece voice communication intelligibility and loudness
- Advances safety through easy-to-use wireless communication interoperability with mobile field radios (requires use of Scott EPIC Lapel Speaker Mic to suit field radio)
- Improves user communications from the incident scene to remote locations via field radio
- IP66 and IP67 rated design is robust enough to withstand the most extreme applications
- Tactile On/Off button makes it easy to activate with gloved hands
- Angled directional speaker projects amplified voice forwards
- Advanced electronic noise suppression technology improves communication clarity and personnel safety Compatible with Promask, Vision 3 & AV3000 facemasks (with comms bracket)

Model #	Description
RP SCO 201276-03	EPIC 3 Radio Int Voice Amp Vision Face mask
RP SCO 201276-04	EPIC 3 Radio Int Voice Amp Promask Face mask
RP SCO 201276-01	EPIC 3 Radio Int Voice Amp Open Bracket AV3000HT

3M™ Scott EPIC 3 Radio Direct Interface (RDI) Voice Amplifier

- Compact, SCBA mask mounted voice amp and wireless radio-direct communications device
- Designed to work with encrypted Bluetooth® enabled Motorola APX digital radios direct from SCBA mask to radio
- Advanced electronic noise suppression technology improves communication clarity and personnel safety
- Durable IP66/67 rated system for use in demanding high temperature environments
- Tactile On/Off button makes it easy to activate with gloved hands
- Angled directional speaker projects amplified voice forwards
- Customisable, user friendly, easy to operate, system
- Compatible with Promask, Vision 3 & AV3000 facemasks (with comms bracket)

EPIC 3 Radio Direct Interface Voice Amplifier

Model #	Description
RP SCO 201276-13	EPIC 3 Radio Direct Int Voice Amp Vision
RP SCO 201276-14	EPIC 3 Radio Direct Int Voice Amp Promask

EPIC 3 Full face masks with comms bracket

Model #	Description
RP SCO 2032231	Promask PP LQF HC EPIC 3 M L Rubber Head harness
RP SCO 2032232	Promask PP LQF HC EPIC 3 Sml Rubber Head harness
RP SCO 2032227	Vision PP LQF HC EPIC 3 M L Rubber Head harness
RP SCO 2032228	Vision PP LQF HC EPIC 3 Sml Rubber Head harness
RP SCO 201276-11	EPIC 3 Radio Direct Int. Voice Amp Open Bracket AV3000HT
RP SCO 8005245	AV3000HT RECB Small Kevlar
RP SCO 8005246	AV3000HT RECB Med Kevlar
RP SCO 8005247	AV3000HT RECB Large Kevlar
RP SCO 8005248	AV3000HT LECB Small Kevlar
RP SCO 8005249	AV3000HT LECB Med Kevlar
RP SCO 8005250	AV3000HT LECB Large Kevlar

IPP Industrial Protective Products (WA)
Supporting Better Products

3M™ Sabrecom 2 Lapel Mic Style Radio Communications Interface
- 3MTM Sabrecom is a unique radio communications interface that fully integrates with your choice of 3M Scott Safety face mask. Available as a complete communications solution on the Vision 3 or Promask PP face masks, Sabrecom is approved to EN136 Class III.
- It is approved to meet all tests for flame and heat resistance, plus IP67 rating for water and dust penetration as well as being intrinsically safe to Ex ialIC T4 (radio dependant).
- This system has a large push to talk button assembly with two PTT buttons which can be used independently as a lapel mic to enable the comms to be used when a BA facemask isn't being worn.
- Push to Talk are only ATEX approved if the radio is ATEX approved

Model #	Description
RP SCO 2023366	Motorola GP900, HT1000, MTS2000, GP900, 1200, 3600. HT1000, 1100, JT1000, MT2000, 2100, MTS2000, MTX838, 2000, 8000, Stealth XTS-3000, MT6000E
RP SCO 2022906	Motorola GP900, HT1000, MTS2000, GP900, 1200, 3600. HT1000, 1100, JT1000, MT2000, 2100, MTS2000, MTX838, 2000, 8000, Stealth XTS-3000, MT6000E
RP SCO 2022907	Quick Fit face mask interface
RP SCO 013192	Promask PP Full Face Mask REQF/LQF
RP SCO 2008699	Vision 3 Full Face Mask LQF/REQF
RP SCO 2001703	Blank Plug REQF

3M™ SCBA Storage Solutions
- Large enough to carry SCBA, cylinder and mask

Model #	Description
RP SCO SCBABAG:L	Carry Bag Large SCBA 35Cm X 75Cm X 35Cm
RP SCO 2014810	SCBA Moulded Carry Case

3M™ Scott SCBA Wall Cabinet
- Universal breathing apparatus wall-mount cabinet
- Made from 3mm PVC reinforced with fibreglass
- Comes with clear plastic lid to protect SCBA from dust and dirt

Model #	Description
RP SCO SCBACAB	SCBA Wall Cabinet
RP SCO QTB454	Wall Bracket SCBA

3M™ Scott Trigene Solution & Wipes
- Antimicrobial respirator and surface wipes
- Available as ready-to-use wipes & pre-mixed solution or in concentrate form for dilution on-site
- TGA Registered - ARTG No: 232937 & 233129

Model #	Description
RP SCO 1017652EA	Trigene Wipes Drum (100)
RP SCO 2008248EA	Trigene Solution 5L Concentrat Clear
RP SCO TRIG:31	Trigene Pre-Mix 1 To 100 5L Green
RP SCO TRIGPM:1L	Trigene Pre-Mix 1 To 100 1 Litre Green

3M™ Scott Steel Cylinders
- Suitable for Scott SCBA and Scott Modulair Airline Trolley
- Complete with safety locking hand wheel

Model #	Description
RP SCO 2031535	Flite COV 200 bar 10 min steel cyl c/w pouch and reducer/hose Full
RP SCO 2031537	Flite COV 200 bar 15 min steel cyl c/w pouch and reducer/hose Full

3M™ Scott Carbon Fibre Cylinders
- Suitable for Scott SCBA and Scott Modulair Airline Trolley
- Constructed of an aluminium alloy inner shell overwrapped with carbon-fibre, fibreglass and epoxy resin
- Cylinder liner is coated with aluminium oxide to protect against moisture and corrosion
- Available with right angle valve (RAV) or T Valve 6.8L 300 Bar
- Supplied charged/full or empty.

Model #	Description
RP SCO 1118245RAV	Cylinder 6.8L 300 Bar Carbon RAV
RP SCO 1127413RAV	Cylinder 9L 300 Bar Carbon RAV
RP SCO 1118245T	Cylinder 6.8L 300 Bar Carbon T Valve
RP SCO 1127413T	Cylinder 9L 300 Bar Carbon T Valve
RP SCO 2006638	Cylinder 4.7L 300 Bar Carbon 30 Min
RP SCO 1118245RAV-NLH	Cylinder 6.8L 300 Bar Carbon RAV Non-locking handwheel
RP SCO 1118245T-NLH	Cylinder 6.8L 300 Bar Carbon T Valve Non-locking handwheel
RP SCO 1127413RAV-NLH	Cylinder 9L 300 Bar Carbon RAV Non-locking handwheel
RP SCO 1127413T-NLH	Cylinder 9L 300 Bar Carbon T Valve Non-locking handwheel
RP SCO 1023116	035.016.03 Pressure Test Gauge 200 / 300 Bar
RP SCO 1024182	038.249.00 Cylinder Protective Cover Red
RP SCO 1024185	038.250.00 Cylinder Protective Cover Red
RP SCO 200952-03	Cylinder Sleeve 45 min 4500 6.8L
RP SCO 200952-04	Cylinder Sleeve 60 min 4500 9L
RP SCO 2031539	Flite COV 300 bar 10 min carbon cyl c/w pouch hose Full

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.

GAS CLIP SiNGLE GAS DETECTORS SGC & SGC-P
Gas Clip Technologies Single Gas Clip Plus or 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 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
* Real-time gas reading capability
* 50% larger battery capacity
* 0.1 ppm resolution for H2S 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 "buP" 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.

GAS CLIP SiNGLE GAS CLIP PLUS
RP GC SGCP-H2S
RP GC SGCP -CO

Gas Clip Technologies Single Gas Clip Plus or 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 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 HS 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 SiNGLE GAS CLIP
RP GC SGC-H2S
RP GC SGC-CO C
RP GC SGC-O

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

GAS CLIP SINGLE GAS DOCKING STATIONS
RP GC SGC-WMDOCK - 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.

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 minuteEasy 1 button operationRobust rechargeable internal battery, hundreds of tests before rechargingInternal gas cylinder regulator and pressure gauge2 GB USB memory for bump test and event log storageOptional unit configuration and firmware updates via GCT Manager SoftwareRugged Pelican© case or Wall Mount DockNo 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.

Industrial **Protective** Products (WA)
Supporting Better Products

Multi Gas Clip
The First portable multi gas detector with a battery life of months instead of hours.

The Gas Clip Technologies MGC Dock & MGC Pump Dock are unique all-in-one stand-alone docking stations 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. You can keep testing your multi gas detectorsÐone 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. 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.

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, H2S, CO, and O2. 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

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 Pellistor Sensors
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.

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-DOCKCONV-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
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 PUMP DOCK
RP GC MGC-DOCK-PUMP - MGC PUMP Portable Docking station for MGC Pump units
RP GC MGC-DOCK-HPPUMP - High Pressure MGC PUMP Portable Docking station for MGC Pump units
RP GC MGC-DOCKCONV-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-HPPUMP - High Pressure MGC PUMP Wall Mountable Docking station for MGC Pump units
RP GC MGC-DOCKCONV-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.
• High performance Dräger XXS Sensors
• No lifetime limitation with simple battery, sensor and filter replacement
• 8-15 second function test with the

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 DOCK WALLMOUNT
RP GC MGC-WMDOCK
RP GC MGC-WMDOCK-HP
RP GC MGC-DOCKCONV-HP - COnversion to High Pressure
- Wall Mount MGC 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.
- – High performance Dräger XXS Sensors
- – No lifetime limitation with simple battery, sensor and filter replacement
- – 8-15 second function test with the

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 includeGCT 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 MGC SPARE PARTS AND ACCESSORIES

Model #	Description
RP MGC-AL-CLIP	MGC Alligator clip complete with Screw
RP GC MGC-FILTER-10	Filters Pack of 10 individual filters
RP GC MGC-FILTER-50	Filters Pack of 50 individual filters
RP GC MGC-HAK	Hand Aspirator Kit
RP GC MGC-PROBE-1	1ft remote Sampling Probe
RP GC MGC-PROBE-RF	Probe replacement gasket and filter
RP GC MGC-WT	In-Line Hydrophobic Syringe Filter
RP GC MGC-PF	Air Stone PArticulate Filter
RP GC MGC-CHRG-STATION	Multi Gas Charging Station
RP GC MGC-CHRG-MULTI	Multi gas Multi-Charger

Dräger X-Dock
The Dräger X-dock® series provides you with full control of your portable Dräger gas detection instruments. Automatic bump tests and calibrations with reduced test gas consumption and short testing times save time and money. Comprehensive documentation and evaluations provide you with a clear overview.
* Complete fleet management - from testing to documentation * Single module (X-dock 5300) or multiple module (up to 10) with X-dock 6300/600 * Up to 6 gases plus compressed air inlet * USB and network connections enable multiple usage * Tests are started by closing the lid for easy operation * Mix and match from Pac, X-am 125 or X-am 8000 modules * Touch screen * Significant time and cost reduction due to faster testing and low flow rate * Choose between two software solutions: X-dock manager or Cloud based - Gas detection connect

Model #	Description
RP DRA 8321882	Dräger X-dock® 5300 X-am® 8000,X-dock® Master including X-am® 8000 Module and power supply. 3 test gas connections. Limited to one module.
RP DRA 8321880	X-dock® 5300 X-am® 125,X-dock® Master including X-am® 125 module and power supply. 3 test gas connections. Limited to one module.
RP DRA 8321881	X-dock® 5300 Pac®,X-dock® Master with Pac® module and power supply. 3 test gas connections. Limited to one module.
RP DRA 8321900	X-dock® 6300 Master,3 test gas connections. Can be expanded to 10 modules
RP DRA 8321901	X-dock® 6600 Master,6 test gas connections. Can be expanded to 10 modules
RP DRA 8321893	Dräger X-dock® Module X-am® 8000,
RP DRA 8321894	Dräger X-dock® Module X-am® 8000 (+),allows charging of X-am® 8000 devices
RP DRA 8321890	X-dock® Module X-am® 125,
RP DRA 8321891	X-dock® Module X-am® 125+,allows charging X-am® 125 devices
RP DRA 8321892	X-dock® Module Pac®,

Dräger Tubes
Tried and tested a million times: Worldwide, the Dräger Short-term Tubes have proven to be a very cost-effective and reliable method for the measurement of gases. Decreasing occupational exposure values, special customer requirements and new legal regulations made it necessary to develop even more sensitive Dräger-Tubes.

Dräger Pac® 6000

The disposable personal single-gas detection device, Dräger Pac® 6000, measures CO, H2S, SO2 or O2 reliably and precisely, even in the toughest conditions. The robust design, quick sensor response times, and a powerful battery ensure maximum safety for up to two years with virtually no maintenance required. * DraegerSensors XXS provide long operating life and fast response time * Long battery service life for low operational costs * Illuminating D-light shows device is tested and ready for use * Clear colour coding prevents mistakes * Easily replaceable filter membrane protects the sensor *Large display shows all important information (language free) * Robust IP68 housing with handy design for tough conditions * 360° alarm signal can be easily seen from all sides * Event logger for analysis and reports * Fast function test saves time and money

Model #	Description
RP DRA 8326321	Dräger Pac® 6000 CO 0 - 2,000 ppm
RP DRA 8326320	Dräger Pac® 6000 H2S 0 - 100 ppm
RP DRA 8326322	Dräger Pac® 6000 O2 0 - 25 Vol.-%
RP DRA 8326323	Dräger Pac® 6000 SO2 0 - 100 ppm

Dräger Pac® 6500

The robust Dräger Pac® 6500 is your reliable companion under tough conditions. The personal single-gas detection device measures CO, H2S, SO2 or O2 quickly and precisely. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®. Quick sensor response times and a powerful battery also ensure safety. * DraegerSensors XXS provide long operating life and fast response time * Long battery service life for low operational costs * Illuminating D-light shows device is tested and ready for use * Clear colour coding prevents mistakes * Easily replaceable filter membrane protects the sensor *Large display shows all important information (language free) * Robust IP68 housing with handy design for tough conditions * 360° alarm signal can be easily seen from all sides * Data logger and event logger for analysis and reports * Fast function test saves time and money * Bluetooth® communication available as an option for live monitoring.

Model #	Description
RP DRA 8326331	Dräger Pac® 6500 CO 0 - 2,000 ppm
RP DRA 8326330	Dräger Pac® 6500 H2S 0 - 100 ppm
RP DRA 8326332	Dräger Pac® 6500 O2 0 - 25 Vol.-%
RP DRA 8326333	Dräger Pac® 6500 SO2 0 - 100 ppm

Dräger Pac® 8000

With the robust Dräger Pac® 8000, you'll be well equipped for tough conditions: this non-disposable, personal single-gas detection device is a reliable and precise instrument, which detects hazardous concentrations of 29 different gases, including special gases like NO2, O3 or COCl2. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®. * DraegerSensors XXS provide long operating life and fast response time * Long battery service life for low operational costs * Illuminating D-light shows device is tested and ready for use * Clear colour coding prevents mistakes * Easily replaceable filter membrane protects the sensor * Sensors for special gases*Large display shows all important information (language free) * Robust IP68 housing with handy design for tough conditions * 360° alarm signal can be easily seen from all sides * Data logger and event logger for analysis and reports * Fast function test saves time and money * Bluetooth® communication available as an option for live monitoring.

Model #	Description
RP DRA 8326350	Dräger Pac® 8000 NO, 0 - 50 ppm
RP DRA 8326351	Dräger Pac® 8000 CO2, 0 - 5 Vol.%
RP DRA 8326352	Dräger Pac® 8000 Cl2, 0 - 20 ppm
RP DRA 8326353	Dräger Pac® 8000 HCN , 0 - 50 ppm
RP DRA 8326354	Dräger Pac® 8000 NH3, 0 - 300 ppm
RP DRA 8326355	Dräger Pac® 8000 PH3, 0 - 20 ppm
RP DRA 8326356	Dräger Pac® 8000 OV, 0 - 200 ppm
RP DRA 8326357	Dräger Pac® 8000 OV-A, 0 - 200 ppm
RP DRA 8326358	Dräger Pac® 8000 NO2, 0 - 50 ppm
RP DRA 8326359	Dräger Pac® 8000 Ozone, 0 - 10 ppm
RP DRA 8326360	Dräger Pac® 8000 Phosgene, 0 - 10 ppm

Dräger Pac® 8500

The Dräger Pac® 8500 single-gas detection device is a reliable and precise instrument even under the toughest of conditions. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®. The device can be equipped with a hydrogen-compensated CO sensor or a Dräger dual sensor. This gives you the option of measuring two gases at once: H2S with CO, H2S with O2 or O2 with CO. * DraegerSensors XXS provide long operating life and fast response time * Measurement of carbon monoxide with significantly reduced cross sensitivity * Long battery service life for low operational costs * Illuminating D-light shows device is tested and ready for use * Clear colour coding prevents mistakes * Easily replaceable filter membrane protects the sensor * Sensors for special gases*Large display shows all important information (language free) * Robust IP68 housing with handy design for tough conditions * 360° alarm signal can be easily seen from all sides * Data logger and event logger for analysis and reports * Fast function test saves time and money * Bluetooth® communication available as an option for live monitoring.monitoring.

Model #	Description
RP DRA 8326365	Dräger Pac® 8500 H2S/CO,0 - 100 ppm H2S 0 - 2,000 ppm CO
RP DRA 8326366	Dräger Pac® 8500 O2/CO,0 - 25 Vol.-% O2 0 - 2,000 ppm CO
RP DRA 8326367	Dräger Pac® 8500 CO-H2 CP,0 - 2,000 ppm

Dräger X-am® 2500

The Dräger X-am® 2500 was especially developed for use as personal protection. The 1 to 4 gas detector reliably detects combustible gases and vapours, as well as O2, CO, H2S, NO2 and SO2. Reliable and fully mature measuring technology, durable sensors and easy handling ensure a high degree of safety with extremely low operating costs.
- 1 to 4 gases at the same time flammable gases - catalytic, CO, H2S, O2, SO2, NO2
- Reliable power supply
- Industrial rugged and waterproof to IP 67
- Extended data storage
- Poisoning-resistant sensor for flammable gases with more than 4 years expected sensor life time
- Approved for the measurement of flammable vapors
- Cross sensitivity calibrations without manual calculations on flammable vapors - simple and safe
- Low operating cost: more than 5 years expected sensor life time for CO, H2S, O2 • Diffusion or pump mode with external pump

Model #	Description
RP DRA 8323919	Dräger X-am® 2500 (83 23 918) incl. power and charging kit (83 18 785)
RP DRA 8323900	Dräger X-am® 2500 Flex Choice of up to four sensors (1 slot for CatEx and 3 slots for XXS sensors). Can be modified later with other sensors. Includes calibration certificate. Power supply as an option.

Dräger X-am® 5600

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.
- 1 to 6 gases at the same time with advanced sensor options:
- Hydrocarbons; CO2 or Dual Hydrocarbons & CO2 with advanced Infrared technology, CO, H2S, O2 , SO2; NO2; NO; PH3; HCN; NH3; CO2; Cl2; organic vapors– OV and OV-A; H2; Odorant; Amine; Phosgene; Ozone
- Small and lightweight with Infrared technology – for advanced sensor longevity, extended calibration intervals and IR sensor lifetime= instrument lifetime
- Single or dual sensor - accurate measurement results, also in combination with Hydrogen
- Measuring methane, propane and ethylene in %LEL and in Vol% range
- Versatile : Sensor types with the help of PC software flexibly changeable
- Various applications: e.g. possible in area monitor X-zone 5500/5800
- Diffusion or pump mode with external pump

Model #	Description
RP DRA 8326365	Dräger X-am 5600 with IR EX,O2,dual H2S-LC/CO-LC + Battery Kit
RP DRA 8326366	Dräger X-am 5600 with dual IR Ex/CO2, O2, dual H2S-LC/CO-LC + Battery Kit
RP DRA 8326367	X-am 5600 - Configurable kit - add sensors as required

Dräger X-am® 5000

The Dräger X-am® 5000 belongs to a 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 toxic gases, organic vapors, Odorant and Amine.
• 1 to 5 gases at the same time with advanced sensor options:
Flammable gases– catalytic, CO, H2S, O2 , SO2; NO2; NO; PH3; HCN; NH3; CO2; Cl2; organic vapors– OV and OV-A; H2; Odorant; Amine; Phosgene; Ozone
- Durable sensor technology
- Industrial rugged and waterproof to IP 67
- Measuring methane in %LEL and in Vol% range
- Flexible sensor change
- Various applications: e.g. possible in area monitor X-zone 5500/5800
- Diffusion or pump mode with external pump

Model #	Description
RP DRA 3501264	X-am 5000 4-Gas complete with NiMH Battery Kit (Cat-Ex 125 PR,O2,dual H2S LC/CO LC, Batt kit 8318785)
RP DRA 8320000	X-am 5000 - Configurable kit - add sensors as required

Dräger X-am® 8000

Clearance measurement was never this easy and convenient: The 1 to 7 gas detector detects toxic and flammable gases as well as vapours and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.
* Multi-gas detector - 1 to 7 gases * PID (high concentration or low concentration) and IR sensors usbale at the same time * Specially designed for use with a pump, optimised for clearance measurement * Economical Fleet Management * Clearance measurement, release and documentation in no time * Clear signalling design with colour screen * Specialist for high and low hydrocarbon concentrations and leak detection * Inductive charging protects against wear and tear * Long battery run time * Event report on the screen, including drop detection * Iluuminated D-light to ensure compliance * Simple switch from pump to diffusion within seconds * Bluetooth module * Stealth mode, sensor selection possible

Model #	Description
RP DRA 8325800	Dräger X-am® 8000 consists of: Device with power supply (Lithium-ion battery), data logger, shoulder strap, manufacturer's certificate, certificate of calibration, and charger (optional). A fully functioning device requires up to 5 sensors (add as required) and an optional integrated pump.

IPP Industrial Protective Products (WA)
Supporting Better Products

Thermal Imaging

Today's firefighters operate in extreme conditions, where temperatures are capable of rising faster and where visibility is reduced in seconds. Conditions within these environments can put firefighters in situations where their safety is compromised and they must have a complete understanding of the environment. 3M Scott's Thermal Imaging Cameras come with the very latest in advanced thermal imaging, with exclusive features such as hot spot tracking, Intelligent Focus™ and tactical colourisation. Our thermal imaging cameras provide firefighters with the ultimate situational awareness.

Ultimate combination of situational awareness.

Today's firefighters operate in extreme conditions, where temperatures are capable of rising faster and where visibility is reduced in seconds. Conditions within these environments can put firefighters in situations where their safety is compromised and they must have a complete understanding of the environment.

Thermal imaging cameras (TICs) powered by ISG technology provide users with the ultimate combination of situational awareness, lightweight design and robust features. The superior image quality enables firefighters to fully interpret a fire scene and make more-informed tactical decisions.

What is thermal energy?

Thermal energy, also known as infrared energy, is light that is invisible because its wavelength is too long to be detected by the human eye. It is part of the electromagnetic spectrum that we perceive as heat. Unlike visible light, where energy is emitted by objects only at a very high temperature, infrared energy is emitted by all objects at ordinary temperatures. The higher the object's temperature, the greater the infrared radiation emitted.

How does a thermal camera work?

TIC detect infrared/thermal radiation temperature variations converting into electrical signals, signals convert back into images on a screen.

Thermal cameras do not depend on visible light, objects in total darkness or surrounded in smoke can be seen. TICs cannot see through walls, glass, and water, anything that absorbs thermal radiation.

3M™ Scott Fire & Safety Thermal Imaging Camera features tactical colourisation, enabling quick response.

The Hot Spot Tracker identifies the hottest object in the scene, tracks it, and displays its temperature, whilst conversely the Cold Spot Tracker locates and pinpoints thread or valve gas leaks in seconds.

TIC operational tasks include:

- Surveillance operations – hiding burglars, fleeing from a crime scene
- Firefighting – quickly identifying hot spots
- Search & Rescue – locating people in smoke filled or dark environments
- Maritime navigation – clearly see other vessels or people in the water at night
- Clandestine operations – find households or building with suspiciously high temperatures
- Disease control – quickly scan incoming passengers at airports for elevated temperatures.

3M™ Scott™ V320 Thermal Imaging Camera

The V320, featuring a 320x240 sensor, and equipped with extended battery life, provides firefighters with mission critical information that enables firefighters to make better decisions in extreme conditions.

- 320x240 High Resolution Sensor Provides clear images enabling firefighters to navigate through limited-visibility conditions.
- Extended Battery Life Up to Eight-hour runtime with a removable rechargeable battery.
- Single Button Single button ON/OFF provides easy deployment. No menus required.
- 3.5" High-Contrast Display Ensures the image on the display can be seen in multiple light conditions.
- Fast Startup Time Ready for use within five seconds of activating the power button – without the use of a standby mode!
- Lightweight, Durable Design Designed to withstand the extreme conditions.
- Ergonomics Ergonomically designed and balanced for comfort with a gloved hand.

Model #	Description
RP 3M 8007135	V320 25Hz TIC Celsius - KIT
	V320 25HZ TIC Kit in hard carry case
RP 3M 8007133	V320 9Hz TIC Celsius - KIT
RP 3M 8007136	V-SERIES Retractable Lanyard
RP 3M 8007137	V-SERIES Battery Charger
RP 3M 8007138	V-SERIES Charger Power Supply
RP 3M 8007139	V-SERIES Standard Battery

3M™ Scott™ V206 Thermal Imaging Camera

- The V206, featuring a 206x156 sensor, and equipped with extended battery life, provides firefighters with enhanced situational awareness that enables firefighters to make better decisions in extreme conditions.
- 206x156 Resolution Sensor Provides clear images enabling firefighters to navigate through limited-visibility conditions.
- Extended Battery Life Up to Eight-hour runtime with a removable rechargeable battery.
- Single Button Single button ON/OFF provides easy deployment. No menus required.
- 3.5" High-Contrast Display Ensures the image on the display can be seen in multiple light conditions.
- Fast Startup Time Ready for use within five seconds of activating the power button – without the use of a standby mode!
- Lightweight, Durable Design Designed to withstand the extreme conditions.
- Ergonomics Ergonomically designed and balanced for comfort with a gloved hand.

Model #	Description
RP 3M 8007131	V206 25Hz TIC Celsius - KIT
RP 3M 8007129	V206 9Hz TIC Celsius - KIT
RP 3M 8007136	V-SERIES Retractable Lanyard
RP 3M 8007137	V-SERIES Battery Charger
RP 3M 8007138	V-SERIES Charger Power Supply
RP 3M 8007139	V-SERIES Standard Battery

3M™ Scott X380 Thermal Imaging Camera

- The X-Series thermal imaging cameras provide firefighters with the ultimate combination of situational awareness, lightweight design and robust features. The superior image quality enables firefighters to fully interpret a fire scene and make more-informed tactical decisions.
- X380-Series thermal imaging cameras are powered by ISG technology – a pioneer and leader in thermal imaging
- Available as a 3 or 5 button system
- Superior image quality enables firefighters to fully interpret a fire scene and make more-informed tactical decisions
- Hot Spot Tracker – Immediately identify the hottest part of the scene and determine the true seat of the fire
- Cold Spot Tracker – Locate and pinpoint gas leaks in seconds
- High Resolution – 384 x 288 pixel sensor and display with fast-refresh rate ensures a clear and accurate scene image is delivered at all times
- Tactical Colourisation of scene highlights temperature ranges clearly up to and exceeding 1000°C
- Intelligent Focus™ – ensures objects are displayed in crystal clear detail without the need for focus adjustment
- Automatically and quickly switch between high and low temperature ranges by placing the crosshairs on the object you wish to measure
- Built-in laser pointer to assist aiming and communication
- Lightweight Design – only 980 grams

Model #	Description
RP 3M 8003887	X380-2B-HC 3B Lrg Kit Video Rec 2 Battery
RP 3M 8003061	X380-5A-HC 5B Lrg Kit Video Rec 2 Battery
RP 3M 2030493	X380 Rechargeable Battery
RP 3M 2030494	X380 Lanyard
RP 3M 2030495	X380 Desktop Charger Power Supply Unit
RP 3M 2030496	X380 Micro Vehicle Charger Power Supply
RP 3M 2030497	X380 USB Lead (0.8M Approx)
RP 3M 2030498	X380 Soft Carry Case K01Mdr053
RP 3M 2030500	X380 Hard Carry Case

Dräger Alcotest 4000

- Made in Germany and AS3547:2019 certified with a 12-monthly calibration period. The Dräger Alcotest® 4000 personal breathalyser offers responsible drivers a reliable way to test their breath alcohol and gives them the assurance of being legal to drive. This is ensured by precise measurement technology identical to that used by the police: over 30 million breath alcohol tests a year.
- Breath Alcohol Testing Device for Personal Use.
- Measurement technology identical to that used by the police: 30 million breath alcohol tests a year.
- AS-3547:2019 approved with a 12- monthly calibration period.

Model #	Description
RP DRA 3706951	Dräger Alcotest 4000

Dräger Alcotest 6000

- TThe Dräger Alcotest® 6000 is our entry-level professional breath alcohol testing device. It allows the professional user to test with speed and precision. Featuring a 12-monthly calibration interval and data logging + download capability, the measuring technology of this small and user-friendly portable measuring device has already been proven worldwide and has been sold over 1,000,000 times. AS3547:2019 certified.
- Entry-level professional breath alcohol testing device.
- Allows users to perform a breath alcohol test with accuracy and reliability. Data-logging and download capacity for 500 tests.
- AS-3547:2019 approved with a 12-monthly calibration period.

Model #	Description
RP DRA 3706961	Dräger Alcotest 6000

Dräger DrugCheck 3000

- Use the Dräger DrugCheck® 3000 to find out within 3 minutes if a person is under the influence of drugs. Offering outstanding accuracy and analytical performance, this compact and quick oral-fluid device produces results in a non-invasive and easy manner. Used by Australian Police for roadside testing.
- Scan, test and record the data: mobile data logging on your smartphone is that simple. The innovative Dräger DrugCheck® smartphone app allows you to scan, analyse, log and archive your test results in just a few steps. Available free of charge from the App Store and Google Play Store.
- Fast & Hygienic
- Outstanding accruary and analytical performance
- Intuitive and easy to use
- Quick oral-fluid device

Model #	Description
RP DRA 8325580	Dräger DrugCheck 3000 5-panel
RP DRA 8327960	Dräger DrugCheck 3000 6-panel

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