

# Powered Air Purifying Respirators



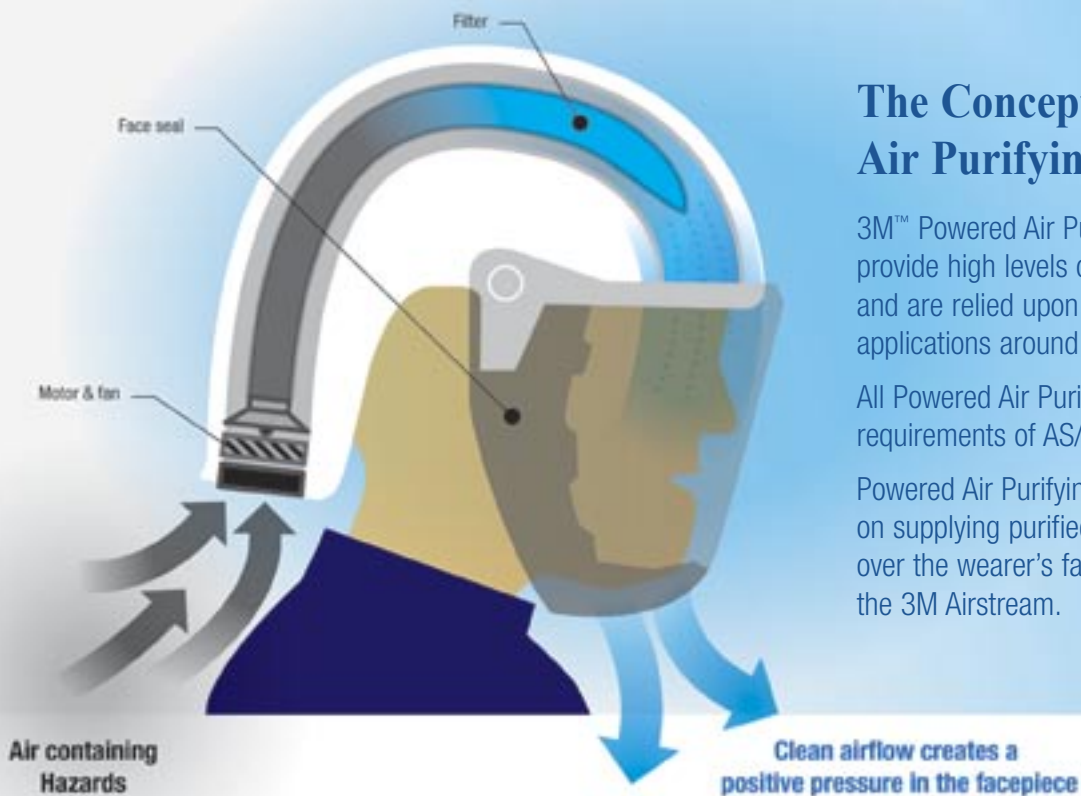
*Protecting your way of life.*

**3M** Innovation





# Powered Air Purifying Respirator Range



## The Concept of Powered Air Purifying Respirators

3M™ Powered Air Purifying Respirators provide high levels of respiratory protection, and are relied upon in the most demanding applications around the globe.

All Powered Air Purifying Respirators meet the requirements of AS/NZS 1716.

Powered Air Purifying Respirators (PAPR) rely on supplying purified air at a positive pressure over the wearer's face, as shown here with the 3M Airstream.



## Contents

### Why Choose PAPR?

- Long work duration requiring respiratory protection
- Higher levels of protection required
- Facial hair and facial shape making it difficult to achieve facial seal with close fitting respirators
- Existing respiratory difficulties of wearer eg. asthma, poor aerobic fitness
- Less fatiguing, increased comfort
- Incorporating head, eye, face and respiratory protection

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## 3M™ Airstream™ PAPR

### 3M™ Airstream™ Powered Air Purifying Respirators provide integrated head, eye, face and respiratory protection

#### Product Features

- Lightweight, strong and low profile injection-moulded helmet shell
- High Impact Visor and rear mounted motor balance the helmet
- Belt mounted battery reduces weight on the head
- Airstream helmets still offer head protection when the motor is switched off and the visor raised

#### Industry Proven

- Tested and proven in mining and heavy industrial environments
- Effective battery management using the intelligent Smart charger
- Airstream Powered Air Purifying Respirators are suitable for most applications requiring integrated head, eye and respiratory protection
- Mining, Welding, Metal processing, Foundries, Construction, Quarrying, Tunnelling, Agricultural Spraying



## 3M™ AH6TM Coal Mining Helmet

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



## 3M™ AH6HRM Hard Rock Mining Helmet

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



## 3M™ AH9 Welding Helmet

- The AH9 Welding Helmet is designed for welding specialists needing protection from welding splatter and fumes
- It is fitted with a flame retardant neck protector, grinding shield, head/face seal and includes NiCd battery
- Charger available separately



## 3M™ AH12 Industrial Helmet

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





# 3M™ Jupiter™ PAPER

## The modular Powered-Air Turbo for Gas, Vapour and Particulate applications

### Product Features

- Low profile modular 3M™ Jupiter™ Powered Air Purifying Respirator for use with Quick Release System (QRS) headtops
- Choice of 8 hour or 4 hour IS NiMH battery
- Intelligent Charger
- Complete with padded comfort belt
- Adjustable electronic flow control up to 230 litres/minute with visual and audible low airflow and low battery warnings
- Filter cover prevents damage to or sparks entering the filter body and allows light shower decontamination
- Smooth shape allows easy cleaning
- To select your own Jupiter system by adding a headtop and QRS Air Hose refer to page 10
- Certified I.S. to AS/NZS 60079 by SIMTARS EEx ib IIB T3 IP63
- Spare parts available







## 3M™ Dustmaster™ PAPR

**The simple to use, industry- proven  
3M™ Powered Air Turbo for dusts,  
welding fumes and nuisance odours**

### **Product Features**

- The 3M™ Dustmaster™ Powered Air Purifying Respirator can be combined with any Quick Release System (QRS) Headtop
- Wipe clean, belt-mounted turbo unit incorporates motor fan, lightweight 8-hour battery & long-life filter
- All main filters may be used with pre-filters to extend filter life
- Charging adaptor available to allow external battery charging
- Choice of simple constant current charger, or 3M™ Smart Charger providing effective battery management
- To select your own Dustmaster system by adding a headtop and QRS Air Hose refer to page 10
- Spare parts available



**3M has a diverse range of headtops to suit most industry applications.**

**To select your own system by adding a Powered Air Turbo and QRS Air Hose refer to page 10**

## 3M™ No. 1 Headtop

This low cost and lightweight headtop has an integral head harness. Available in Blue Nylon or White Tyvek.

Product Code	3M Order Code	Description
901-00-79	AT019184269	Nylon Thrifty Headtop with QRS - Blue
901-00-80	AT019184277	Tyvek Thrifty Headtop with QRS - White



## 3M™ No. 4 Headtop

This lightweight headtop is based on the conventional grinding shield. It is available with either high impact polycarbonate visor for grinding or medium impact acetate visor for spray painting.

Product Code	3M Order Code	Description
049-00-56P	52000017658	Grinding shield high impact with QRS
049-00-57P	52000017666	Painting shield medium impact with QRS



## 3M™ No.6 Headtop

Based on a conventional flip up welding shield, this lightweight head top has a replaceable shade 10 welding lens, anti splatter lens, lift up eschuteon for ease of checking and head/face seal.

Product Code	3M Order Code	Description
902-01-69	AT019167844	Welding Shield with QRS



## 3M™ No.7 Headtop

A full face piece headtop provides high level respiratory and high impact protection Fitted with a DIN adaptor to allow a hose connection. Use hose assembly 008-00-19

Product Code	3M Order Code	Description
6700DIN	70070889806	Full Face piece - Small
6800DIN	70070889814	Full Face piece - Medium
6900DIN	70070889822	Full Face piece - Large





### 3M™ No.9 Headtop

Based on the Airstream style helmet, it delivers, face, eye and respiratory protection. Included is a nod down welding shield, high impact anti scratch visor, head/face seal and shoulder length welding cape.

Product Code	3M Order Code	Description
902-02-94	AT019202384	Airstream style Welding Helmet with Visor and QRS



### 3M™ No.10 Headtop

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

Product Code	3M Order Code	Description
902-01-71	AT019167778	Tyvek Disposable Hood / Cape with QRS - White
902-01-72	AT019167869	Tyvek Laminate Hood / Cape with QRS - Yellow
902-01-73	AT019167877	Nylon Hood / Cape with QRS - Blue
902-01-74	AT019167885	Breathalon Hood / Cape with QRS - Orange



### 3M™ No.12 Headtop

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

Product Code	3M Order Code	Description
902-01-66	AT019167794	Airstream Style Helmet with QRS



### 3M™ L901 Headtop

An integrated enclosed helmet providing head, face, eye and respiratory protection. Included is a high impact visor and head/face seal.

Product Code	3M Order Code	Description
902-01-75	AT019167893	L901 Lightning Helmet with QRS



### 3M™ L905 Headtop

An integrated enclosed welding helmet providing head, face, eye and respiratory protection. Included is a nod down welding shield, neck cape, high impact visor and head/face seal.

Product Code	3M Order Code	Description
902-01-76	AT019167901	L905 Lightning Welding Helmet with QRS



# Choose your Powered Air System

## 3M™ Airstream™ PAPR Systems

Product Code	3M Order Code	Description
902-02-61	AT019185143	AH6TM Airstream IS Coal Mining Helmet
902-02-64	AT019185200	AH6HRM Airstream Hard rock Mining Helmet
902-00-50	AT019147837	AH9 Airstream with NiCd Battery (no charger)
902-02-93	AT019185259	AH12 Airstream with NiCd Battery (no charger)

### Accessories

Product Code	3M Order Code	Description
003-00-04P	AT019166184	Battery Charger
901-00-26	AT019127137	Battery Charger - 4 station to suit 4 cell battery
002-00-81P	AT019167231	Helmet Mounted Ear Muffs
060-50-07P	5200006727	Full Neck Protector
061-05-00P	AT019147289	Radiant Heat Kit
901-00-70	AT019167298	Storage Bag
301-00-62P5	52000018284	Waist Belt

### Filters

Product Code	3M Order Code	Description
060-23-04P	52000044256	Main Filter - PAPR-P2 Heavy Duty
060-23-06P	52000044264	Main Filter - PAPR-P2
060-23-11P	52000044272	Main Filter - PAPR-GP2
060-23-16P	52000044280	Main Filter - PAPR-P1 Heavy Duty
060-23-20P	52000005760	Main Filter - PAPR-P2 HF SO2
060-22-00P	AT019184344	Pre-Filter

AH6HRM Shown



## 3M™ Jupiter™ PAPR Systems

Product Code	3M Order Code	Description
902-01-79	AT019167919	Jupiter Air filter unit (no charger or air hose)
902-01-83	AT019168024	JT1C Jupiter with No.1 Nylon headtop system with charger
902-01-93	AT019183908	JT Medical Jupiter with No.1 Tyvek headtop system with charger
902-01-84	AT019168032	JT4C Jupiter with No. 4 headtop (Polycarbonate) system with charger
902-01-85	AT019168040	JT4 Jupiter with No.4 headtop (Polycarbonate) system (no charger)
902-01-86	AT019168057	JT4C Jupiter with No.4 headtop (Acetate) system with charger
902-01-87	AT019168065	JT4 Jupiter with No.4 headtop (Acetate) system (no charger)
902-01-88	AT019168073	JT6C Jupiter with No.6 Welding headtop system with charger
902-01-89	AT019168081	JT7C Jupiter with No.7 Medium Full Face headtop system with charger
902-01-90	AT019168099	JT9C Jupiter with No.9 Welding headtop system with charger
902-01-91	AT019183882	JT10BLC Jupiter with No.10 Breathalon Cape headtop system with charger
902-02-51	AT019184509	JT10TC Jupiter with No.10 Tyvek Cape headtop system with charger
902-02-52	AT019184517	JT10TLC Jupiter with No.10 Tyvek Laminate Cape headtop system with charger
902-02-53	AT019184525	JT10NC Jupiter with No.10 Nylon Cape headtop system with charger
902-01-81	AT019168008	JT12C Jupiter with No.12 Airstream style headtop system with charger
902-02-50	AT019184301	JTL901C Jupiter with No.901 Lightning Helmet system with charger
902-02-49	AT019184319	JTL905C Jupiter with No.905 Lightning Welding Helmet system with charger
902-03-00	AT019202582	JT Jupiter IS Air Filter Unit (no charger or air hose)
902-03-01	AT019202590	JT1CIS Jupiter with No.1 Tyvek headtop IS system with charger
902-03-02	AT019202608	JT7CSIS Jupiter with No.7 Small Full face headtop IS system with charger
902-03-03	AT019202616	JT7CMIS Jupiter with No.7 Medium Full face headtop IS system with charger
902-03-04	AT019202624	JT7CLIS Jupiter with No.7 Large Full face headtop IS system with charger
902-03-05	AT019202632	JT10TCIS Jupiter with No.10 Tyvek Cape headtop IS system with charger
902-03-06	AT019202640	JT10TLCIS Jupiter with No.10 Tyvek Laminate headtop IS system with charger
902-03-07	AT019202657	JT12CIS Jupiter with No.12 Airstream style headtop IS system with charger

### Accessories

Product Code	3M Order Code	Description
003-00-58PAUS	52000044538	Battery Charger
003-00-59P	52000044306	Battery Charger - 10 station
085-12-00P	52000044579	Jupiter IS Battery and IS pouch
022-25-10P4	AT019167745	Braces for Jupiter belt
008-00-42P	AT019167108	QRS Air Hose
008-08-00P	52000004565	Hose Cover - Flame Retardant
901-00-70	AT019167298	Storage Bag

JT901 Shown





## Filters (ordered separately)

Product Code	3M Order Code	Description
450-00-25	CR180806000	Filter Cartridge - PAPR-P3
453-00-25	CR180806018	Filter Cartridge - PAPR-A1P3
453-09-25	CR180806042	Filter Cartridge - PAPR-A1B1E1K1P3
461-00-02P24	CR180804708	Pre-Filter Disc

## 3M™ Dustmaster™ PAPR Systems

Product Code	3M Order Code	Description
021-00-38P	52000002221	Dustmaster Air Turbo Unit (no charger or air hose)
902-01-95	AT019183924	DM1C Dustmaster with No.1 Nylon headtop system with charger
902-02-11	AT019184087	DM1C Medimaster with No.1 Tyvek headtop system with charger
902-01-96	AT019183932	DM4PC Dustmaster with No.4 headtop (Polycarbonate) system with charger
902-01-97	AT019183940	DM4AC Dustmaster with No.4 headtop (Acetate) system with charger
902-02-04	AT019184013	DM4P Dustmaster with No.4 headtop (Polycarbonate) system (no charger)
902-02-05	AT019184020	DM4A Dustmaster with No.4 headtop (Acetate) system (no charger)
902-01-98	AT019183957	DM6C Dustmaster with No.6 headtop system with charger
902-02-06	AT019184038	DM6 Dustmaster with No.6 headtop system (no charger)
902-01-99	AT019183965	DM9C Dustmaster with No.9 Welding headtop system with charger
902-02-07	AT019184046	DM9 Dustmaster with No.9 Welding headtop system with (no charger)
902-02-56	AT019184558	DM10BLC Dustmaster with No.10 Breathalon Cape Headtop system with charger
902-02-00	AT019183973	DM10NC Dustmaster with No.10 Nylon Cape headtop system with charger
902-02-08	AT019184053	DM10N Dustmaster with No.10 Nylon Cape headtop system (no charger)
902-02-54	AT019184533	DM10TC Dustmaster with No.10 Tyvek Cape headtop system with charger
902-02-55	AT019184541	DM10TLC Dustmaster with No.10 Tyvek Laminate Cape system with charger
902-02-01	AT019183981	DM12C Dustmaster with No.12 Airstream style headtop system with charger
902-02-09	AT019189061	DM12 Dustmaster with No.12 Airstream style headtop system (no charger)
902-02-57	AT019184566	DML901C Dustmaster with No.901 Lightning Helmet system with charger
902-02-58	AT019184574	DML905C Dustmaster with No.905 Lightning Welding Helmet system with charger

## Accessories

Product Code	3M Order Code	Description
003-00-38P	AT019166150	Battery Charger
901-00-25	AT019130577	Battery Charger - 4 station
008-00-42P	AT019167108	QRS Air Hose
008-08-00P	52000004565	Hose Cover - Flame Retardant
901-00-70	AT019167298	Storage Bag
901-00-43	AT019166283	Charging Adaptor
901-00-87	AT019184723	Tote Bin

## Filters

Product Code	3M Order Code	Description
451-00-02P	CR180804153	Main Filter - PAPR-P2
451-01-02P	CR180792283	Main Filter - PAPR-GP2 + Charcoal
451-02-20	CR180804161	Main Filter - PAPR-P3
462-05-00P10	CR180805952	Pre-filter

## 3M™ Powerflow™ PAPR System

Product Code	3M Order Code	Description
902-02-12	AT019184095	Powerflow™ Plus 6800 (no charger)

## Accessories

Product Code	3M Order Code	Description
003-00-04P	AT019166184	Battery Charger
901-00-70	AT019167298	Storage Bag
529-01-56R	AT019167280	Battery Pouch Water Repellant
301-00-62P5	52000018284	Waist Belt

## Filter

Product Code	3M Order Code	Description
450-00-02P	CR180790857	Filter Cartridge - PAPR-P3



DM4A Shown



Powerflow Shown





# 3M™ Powerflow™ PAPR

## The Powered-Air solution for asbestos removal

### Product Features

- 3M™ Powerflow™ Powered Air Purifying Respirator is a face piece-mounted system
- Comfortable, lightweight, wide-vision silicone face piece
- Compact turbo unit has a side mounted P3 filter allowing access to more difficult areas
- Belt mounted battery reduces weight on the head
- Effective battery management using the intelligent Smart charger or constant current charger purchased separately
- Allows light shower decontamination



### How to contact us

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