



**3M™ Versaflo™  
M-Series Face Shields  
with 3M™ Adflo PAPR**

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# 3M™ Versaflo™ M-Series Face Shields with 3M™ Adflo PAPER

## High impact headtops with award-winning respiratory protection

The 3M™ M-Series Clear Visors with the 3M™ Adflo™ Powered Air Purifying Respirator are lightweight, compact and well-balanced, offering integrated face and respiratory protection with optional head and hearing protection.

As one of the most popular respirators of its kind around the world, the award-winning 3M™ Adflo™ Powered Air Purifying Respirator (PAPR) is designed to provide a constant and clean flow of air directly into your breathing zone. The adjustable flow of clean air creates a positive pressure environment within the head-top preventing the entry of respiratory contaminants.

The particle filter offers P3 level particulate protection from mechanically generated, thermally generated, and microbiological particles, has a required minimum protection factor of 50, and is compliant with the Australian and New Zealand Respiratory Standard (AS/NZS 1716).

With its slim profile, the Adflo respirator offers excellent lightweight, adaptable and easy-to-use respiratory protection. Since its launch, the Adflo powered air respirator has become synonymous with effective powered air respiratory protection and has been the go-to PAPR for heavy industry.





### 3M™ Versaflo™ Face Shield M-207 with Adflo™ PAPR

- High impact face shield with chemical and scratch-resistant lens
- Excellent peripheral and downward vision
- Flame resistant face seal
- Adflo PAPR supplies 50 times cleaner air (RMPF = 50)

#### Face protection

AS/NZS1337.1 (High Impact)

#### Respiratory protection

AS/NZS1716

#### Optional hearing protection

AS/NZS1270

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### 3M™ Versaflo™ Face Shield & Safety Helmet M-307 with Adflo™ PAPR

- Built-in safety helmet
- High impact face shield with chemical and scratch-resistant lens
- Excellent peripheral and downward vision
- Flame resistant face seal
- Adflo PAPR supplies 50 times cleaner air (RMPF = 50)

#### Head protection

AS/NZS1801

#### Face protection

AS/NZS1337.1 (High Impact)

#### Respiratory protection

AS/NZS1716

#### Optional hearing protection

AS/NZS1270

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### 3M™ Versaflo™ Flip-Up Face Shield & Safety Helmet M-407 with Adflo™ PAPR

- Flip-up high impact face shield with chemical and scratch-resistant lens
- Flame resistant shroud for additional head, shoulder and neck coverage
- Built-in safety helmet
- Excellent peripheral and downward vision
- Adflo PAPR supplies 50 times cleaner air (RMPF = 50)

#### Head protection

AS/NZS1801

#### Face protection

AS/NZS1337.1 (High Impact)

#### Respiratory protection

AS/NZS1716

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### 3M™ Adflo™ Powered Air Purifying Respirator

Learn why the Adflo powered air respirator is the PAPR of choice for heavy industry

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# How does the M-Series with Adflo PAPR compare to half mask respiratory protection?

When correctly worn, disposable or reusable half mask respirators provide a RMPF of 10, meaning they supply up to 10 times cleaner air than a worker would otherwise breathe unprotected. To ensure this level of protection, the wearer must be fit tested (annually is recommended) and clean shaven to maintain an effective negative pressure seal.

When compared to disposable and reusable half-face mask respiratory protection, PAPRs provide 5 times greater respiratory protection (RMPF = 50) as well as enhanced comfort. Furthermore, they do not require fit testing or a complete clean shaven condition.

Image: An example of a disposable half mask respirator (left) and a reusable half mask respirator with replaceable filters (right).



	M-Series Face Shields with Adflo PAPR	Half Mask Respirators
Protection Factor (RMPF)	50	10
Fit Testing Required	No	Yes, recommended annually
Requirement to be clean shaven	No	Yes
Breathing resistance	No	Yes
Comfort Considerations	Steady flow of fresh air helps to cool and reduces sweat and heat buildup. Approximately 1kg worn on the wearer's waist*.	The negative pressure seal can result in an uncomfortable fit in hard-wearing conditions, increasing the build-up of sweat and heat.
Cost Considerations	<p>A PAPR draws air into the system from behind the worker, away from the greatest concentration of respiratory hazards.</p> <p>For this reason, the filters on a PAPR will typically need to be changed far less frequently than a disposable respirator or reusable respiratory filters.</p> <p>Long term, a PAPR can be the more economical solution.</p>	<p>While half mask respirators have a lower upfront cost, they can be the more expensive long-term option.</p> <p>Worn on the worker's face in closer proximity to the respiratory contaminants, filters can become loaded extremely quickly in certain working environments.</p>

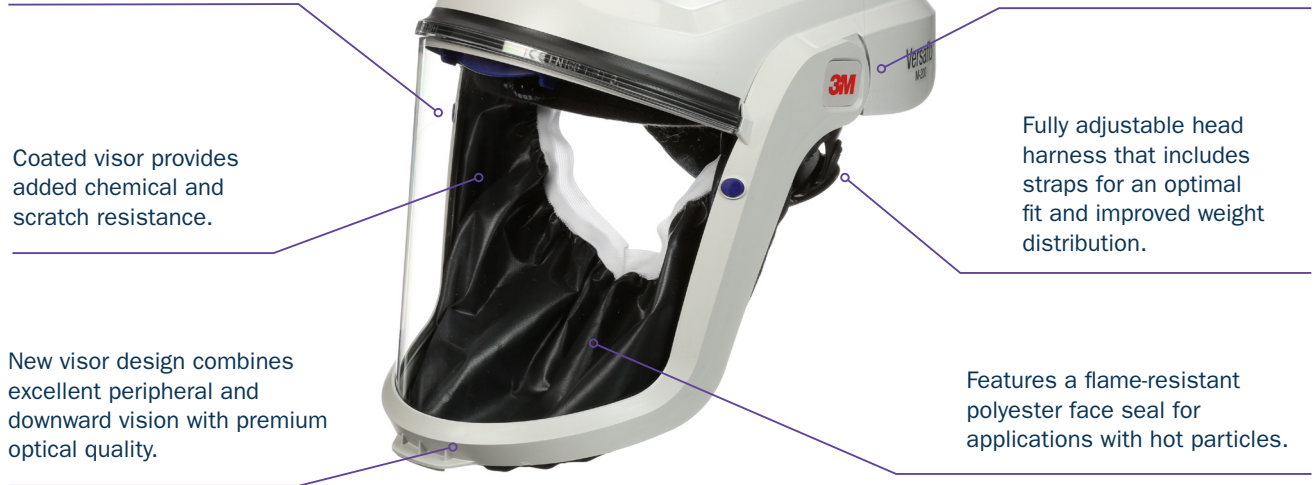
\* Weight based on 3M™ Adflo™ PAPR. Weights of PAPR's available in the market can vary significantly.

# 3M™ Versaflo™ Face Shield M-207

Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.



Designed from inception to accept 3M™ Peltor™ H31 Earmuffs (Class 3).



Coated visor provides added chemical and scratch resistance.

New visor design combines excellent peripheral and downward vision with premium optical quality.

Fully adjustable head harness that includes straps for an optimal fit and improved weight distribution.

Features a flame-resistant polyester face seal for applications with hot particles.

**3M™ Versaflo™ M-207 Face Shield with Adflo™ PAPR (8 hour battery)**  
Part Number: 890207

**3M™ Versaflo™ M-207 Face Shield with Heavy-Duty Adflo™ PAPR (12 hour battery)**  
Part Number: 890207HD

# 3M™ Versaflo™ Face Shield & Safety Helmet M-307

Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.



Designed from inception to accept 3M™ Peltor™ H31 Earmuffs (Class 3).

Coated visor provides added chemical and scratch resistance.

New visor design combines excellent peripheral and downward vision with premium optical quality.

The safety helmet is made from heat-resistant polycarbonate and conforms to Australian and New Zealand Standard AS/NZS1801 for head protection.



Fully adjustable head harness that includes straps for an optimal fit and improved weight distribution.

Features a flame-resistant polyester face seal for applications with hot particles.

**3M™ Versaflo™ M-307 Face Shield & Safety Helmet with Adflo™ PAPR (8 hour battery)**  
Part Number: 890307

**3M™ Versaflo™ M-307 Face Shield & Safety Helmet with Heavy-Duty Adflo™ PAPR (12 hour battery)**  
Part Number: 890307HD

# 3M™ Versaflo™ Flip-Up Face Shield & Safety Helmet M-407

Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.

Flip-up mechanism to lift visor when necessary.

Coated visor provides added chemical and scratch resistance.

New visor design combines excellent peripheral and downward vision with premium optical quality.

The safety helmet is made from heat-resistant polycarbonate and conforms to Australian and New Zealand Standard AS/NZS1801 for head protection.

Fully adjustable head harness that includes straps for an optimal fit and improved weight distribution.

Flame resistant shroud for additional head, shoulder and neck coverage against hot particles.



3M™ Versaflo™ M-407 Flip-Up Face Shield & Safety Helmet with Adflo™ PAPR (8 hour battery)  
Part Number: 890407

3M™ Versaflo™ M-407 Flip-Up Face Shield & Safety Helmet with Heavy-Duty Adflo™ PAPR (12 hour battery)  
Part Number: 890407HD

## Already use Adflo on-site?

The M-Series Face Shields with Adflo PAPR use the same respiratory spare parts as the Speedglas powered air welding helmets used by so many welders on-site.

This in turn makes these systems easy to maintain, saving both time and money in the long run.



# Mobile and adaptable respiratory protection

## 3M™ Adflo™ Powered Air Purifying Respirator (PAPR)

As one of the most popular respirators of its kind in the world, the Adflo™ Powered Air Purifying Respirator is designed to provide a constant nominal airflow rate of 170/200 litres per minute, regardless of the battery's charge or the particle loading of the filter.

With its slim profile, the Adflo respirator offers excellent lightweight, adaptable and easy-to-use respiratory protection.

**NEW Heavy Duty Adflo Available**



Technical Data	3M™ Adflo™ Powered Air Respirator
Approvals Respiratory Protection	Conforms to AS/NZS1716
Required Minimum Protection Factor (RMPF) <sup>1)</sup>	50
Airflow Standard Airflow Plus	170 litres/minute 200 litres/minute
Battery: Charging time	Li-ion with rapid charge (0-80% in an hour) <sup>2)</sup> 4.5 hours (standard), 5.5 hours (heavy duty)
<b>Operating hours</b>	<b>8 hours (standard) or 12 hours (heavy duty)</b>
Weight Respirator	960 grams
Noise level dB	Max 75 dB
Belt	Leather 75-115cm
<small>Gas and odour filters are available as an optional extra.            1) For mechanically and thermally generated particles.            2) Standard battery will be 80% charged (6.4 hours run time) in approximately one hour.            Heavy duty battery will be 80% charged (9.6 hours run time) in approximately one hour.</small>	

### Award-winning protection

Since its launch, the 3M™ Adflo™ powered air respirator has become synonymous with effective powered air respiratory protection. The system is designed to meet the specific needs of heavy industry.

### Upgraded features

The new Li-ion Adflo respirator is over 15% lighter and has one-hour rapid charge. A self-adjusting quick-release breathing tube allows for simple one handed connection and release.

### Clean air to breathe

Constant, clean air flows directly into your breathing zone. Choose between 170 litres per minute or 200 litres per minute (for hot, humid jobs) with the push of a button.

### Adaptable filtration

With the right type of filter, the Adflo powered respirator effectively protects against a range of gases, vapours and particles.

### You only have one set of lungs

The Adflo respirator complies with Australian and New Zealand Standard AS/NZS1716 for powered air respirators and offers a Required Minimum Protection Factor (RMPF) of 50 for mechanically and thermally generated particles.

### Built to last

An Adflo PAPR keeps you protected during long shifts. Choose either the standard 8 hour battery or a heavy-duty Adflo battery, which can offer up to 12 hours continuous protection.



## About AWS


AWS was established in 1994 and has played a key role in workplace health and safety ever since.


As an advocate for workers' safety in Australia and New Zealand, AWS has published numerous White Papers, Industry Reports, and Hazard Control Frameworks.

As a company that specialises in safety equipment, it is our goal to raise awareness on the important issues that workers face.

For more information on fume monitoring, PPE, or fume extraction options, please contact AWS.

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