

## THE ONLY RESPIRATORY GEAR YOU'LL EVER NEED

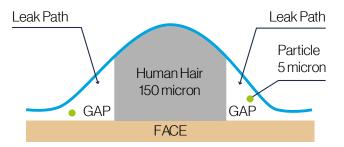
Breathe easier, see clearer & work safer with TECMEN's all-in-one respiratory protection system

## Beards Look Great, But Make Regular Respirators Ineffective

#### **Bandanas are NOT the Answer**

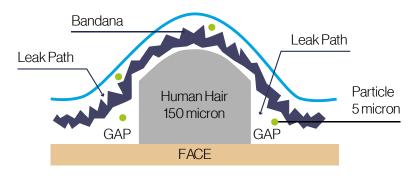
## Respirators rely on a tight seal to be effective.

Facial hair creates gaps where air can leak in.



#### Bandanas make it worse...

Bandanas are not designed to filter microscopic particles, fumes, or vapours. Wearing a bandana under a respirator adds an additional layer of leak paths, further compromising the seal.



#### **WorkSafe Compliance**

According to WorkSafe New Zealand and international safety standards, any PPE must fit properly and function as intended.

- Modifying or misusing PPE makes it non-compliant.
- Employers must ensure their workers have access to suitable, properly fitting respiratory equipment.

## Standard Welding Helmets Need Extra RPE

If you're using a standard welding helmet without an integrated respirator, you'll need to wear separate respiratory protective equipment (RPE) underneath.



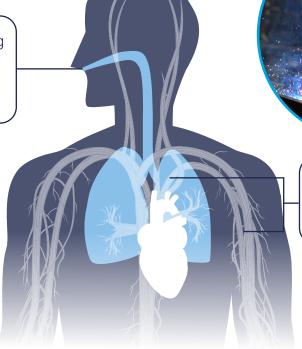


## **Every Breath Counts**

What Happens When You Breathe in Fumes and Particles?

Welding, grinding and cutting release toxic fumes like chromium, manganese and silica dust.





Without proper protection these enter your lungs and bloodstream.

#### Over time, this exposure can lead to



**Lung Cancer**: A direct risk from prolonged exposure to welding fumes.



**Neurological Damage:** Metal fumes like manganese can cause manganism, a condition similar to Parkinson's.



**Chronic Respiratory Illnesses:** From asthma to COPD, these conditions can leave you struggling for every breath.

#### **Short-Term Risks Are Just as Dangerous**



Inhaling high levels of fumes even once can lead to acute respiratory distress, hospitalisation, or worse.

### Stop Breathing in the Problem!

If you're still relying on ill-fitting masks or outdated RPE, you're putting yourself and your team at serious risk. TECMEN's PAPR systems provide full respiratory protection with none of the limitations of standard respirators.

## Non-Compliance Can Cost You

## Ignoring the Problem Hurts Your Business.

If your workplace isn't providing the right respiratory protection, the consequences can be severe:



#### **Fines and Penalties:**

Under the Health and Safety at Work Act 2015, WorkSafe can fine businesses up to \$3 million for failing to provide appropriate PPE. Directors can face personal fines or even jail time.



#### **ACC Premiums:**

Respiratory illnesses caused by workplace exposure lead to costly compensation claims, increasing your ACC levies



#### **Reputation Damage:**

No one wants to work with or for a company that ignores safety.



#### **Staff Turnover:**

Unsafe conditions drive workers away, leaving you struggling to keep skilled staff.



## **Workplace Obligations**

#### **Respiratory Protection Under the Law**

1. Identify and Assess Risks

change.

As an employer, your legal responsibilities for respiratory protection are clear under the **Health** and **Safety at Work Act 2015**. Failing to meet these obligations can result in significant penalties, but more importantly, it puts your workers' health and safety at serious risk. Here's what you need to know:

| ,,,   |
|---|
| You must:  Identify hazards such as welding fumes, dust and vapours that could harm your workers.  Assess the level of risk to health caused by these hazards.  |
| 2. Eliminate or Minimise Risks  |
| <ul> <li>When elimination isn't practical, you are required to:</li> <li>Provide effective control measures to minimise exposure.</li> <li>Ensure respiratory protective equipment (RPE) is suitable for the task and the individual (e.g., workers with beards need PAPRs, as standard masks cannot provide an effective seal).</li> </ul> |
| 3. Provide Compliant RPE  |
| <ul> <li>Ensure the equipment meets AS/NZS 1716:2012 Respiratory Protective Devices standards.</li> <li>Make RPE available at no cost to workers and ensure it is properly maintained and regularly checked.</li> </ul>   |
| 4. Train Your Workers   |
| <ul> <li>Educate workers on the correct use, maintenance, and limitations of their RPE.</li> <li>Ensure workers understand that non-compliant measures (like using bandanas or ill-fitting masks) are ineffective and against WorkSafe standards.</li> </ul>  |
| 5. Monitor and Review   |
| Regularly monitor workplace conditions to ensure risks are being effectively managed. Review and update RPE requirements if tasks, equipment, or environmental conditions   |

## **TECMEN: Making Compliance Easy**

By choosing TECMEN Powered Air-Purifying Respirators (PAPRs), you can confidently meet your obligations. Our range is designed to protect your team, keep you compliant and provide peace of mind.



## **TECMEN TM1000**

The Ultimate Welding Helmet for Maximum **Visibility & Versatility** 

Best-in-class wide lens vision with a flip-front design – perfect for welders moving between welding and grinding jobs. The TM1000 connects easily to the FreFlow blower unit, keeping a cool, filtered airflow throughout the longest shifts.

## **Why Choose** the TM1000?

The TM1000 maximizes workshop efficiency and safety by combining a flip-up auto-darkening welding lens, a clear 160-degree grinding visor, and PAPR respiratory protection into a single, versatile helmet. This eliminates the need for multiple pieces of equipment, allowing seamless



#### **Options:**



TM1000 with FreFlow Code: WSHWR95002



TM1000 for FreFlow Code: WSHWR95001



TM1000 **Helmet Only** Code: WSHWR95000



TM1000 Hard Hat for FreFlow Code: WSHWR95055

## **TM1000**

#### **Greater vision with Flip-Up Lens**

#### Opening up a whole new vision to the welder's world!

#### **Smooth flip-up function**

Spring loaded for easy flip-up function and parked position.

#### Pivot headgear

Well balanced, and adjustable for max-comfort.

#### Side windows

Shade 5 lens on both sides, enhances surround vision for greater safety.



#### Superior lens technology

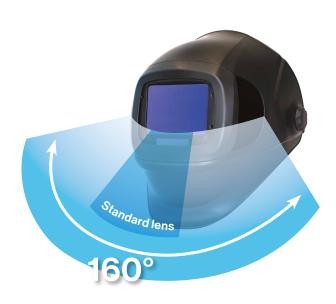
107 x 75mm Best optical class 1/1/1/1 Lens to bring true colour and clear vision to the welder.

#### Large grinding view

200x120mm curved and clear anti-fog lens.

#### High impact resistance

Australian and New Zealand standard AS/NZS 1337.1 compliant.



#### 160° horizontal field of vision

Increased both safety and efficiency in your workplace, with a better field of vision.



#### Grinding mode

Now no time lost changing between welding, grinding, and general workshop tasks. Just one easy flip-up action. No need to remove the helmet between jobs.

## **TM1000**

#### True colour lens, all day comfort

#### Highest clarity of vision when welding



## World's best optical rating 1/1/1/1

- 1 Optical class: No distortion.
- 1 Light diff vision: No double vision.
- 1 Homogeneity: No shade variation.
- 1 Angle dependence: Shade remains consistent when looking at any angle.

#### 2 year lens warranty

#### Solar powered

with battery backup. Automatic on-off so ready to weld at any time.



#### True colour lens

Bringing realistic colour to the welder's world. No more green environments with weak colour contrasts.

#### 107x75mm

auto-darkening view + side windows

#### Easy lens controls

Weld shade adjustment 9-13. Cutting shade adjustment 5-8. Sensitivity adjustment 1-10. Delay adjustment 1-10.

#### 3 adjustable cram straps

To distribute weight and balance better.

## Automatic self-adjust sweatband

To fit the head shape perfectly.



#### Swivelling padded headband

Self-adjust to any head shape with a smooth ratchet, to allow just the right tension for all day comfort wear.

#### Adjustable distance

between the face and helmet. Easy to wear it the way you want it, with greater vision



## TM1000 FreFlow PAPR

#### Cooler, cleaner, better productivity!

Combining the TM1000's great benefits with the powered air-purifying respirator for the ultimate productivity, safety and comfort.



Best optical lens 1/1/1/1 Best true colour and clear vision

#### Great field of vision

With side windows and a flip-up front for a large anti-fog grinding lens

User friendly indicator display

Filter status, airflow rate, battery capacity.



Self-adjust air-flow rate according to the clogging of the filter or battery level.

> Li-ion 1 hour quick charge battery

to give up to 9 hours uninterrupted air-flow.

#### Adjustable airflow

170 lpm or 210 lpm airflow rates to provide the user better comfort, and cooling in hot or heavy workload conditions.

#### Designed air outlet

To distribute the airflow to the breathing zone, and around the face to keep the user cooler and keeps air away from eyes.



#### Comes with a large trade backpack

to store and carry helmet and respirator unit. Extra storage department for spare lens and filters.



Flame resistant face seal to give the welder P3 protection for every shaped face.

hose secure and out of the way.

Breathing hose connected to headgear to give the helmet balance. Keeps the

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## TM1000 Specifications, **Parts & Accessories**



| Optical Class                | 1/1/1/1 highest optical class with high definition lens technology |
|------------------------------|--|
|                              | (EN379)  |
| Viewing Area                 | 107 x 75 mm  |
| Lens Shade                   | Variable Shade 5 - 8 / 9 - 13                                      |
| Light Shade                  | 3  |
| Shade Control                | Internal, Digital Display Control                                  |
| Sensors                      | 4  |
| On/Off                       | Auto-on/off  |
| Power Supply                 | Solar cell, + Battery replaceable, 2 x CR2450 lithium battery      |
| Switch Time                  | 1/25,000 s. from Light to Dark                                     |
| Sensitivity Control          | Low ~ High, Digital Display Control                                |
| <b>Delay Time</b>            | 0.1 ~ 1.0 s, Digital Display Control                               |
| (Dark to Light)              |  |
| Low TIG Rated                | Down to 2 amps   |
| <b>Grind Mode</b>            | Yes  |
| Grind Lens                   | 200x120mm  |
| Side Windows                 | Shade 5  |
| <b>Helmet Weight</b>         | Standard Helmet 760g, Respiratory version 940g                     |
| <b>Magnification Lens</b>    | Lens holder, to fit standard 108x51 magnification lenses           |
| <b>Operating Temperature</b> | -5 °C to +55 °C  |
| Storing Temperature          | -10 °C to +55 °C   |
| <b>Application Range</b>     | Stick Welding (DC&AC). TIG( DC,DC Pulse);TIG AC(Pulse),            |
|                              | Excellent low amperage TIG response. MIG/MAG; MIG/                 |
|                              | MAG Pulse; Plasma Cutting/Welding. Grinding. Oxyacetylene          |
|                              | Welding/Cutting.   |
| Warranty                     | Auto Darking Lens: 2 years   |
| Standards                    | Helmet: AS/NZS1337:1:2010 High impact rated                        |
|                              | Lens: AS/NZS1338, EN379  |
| FreFlow Connection           | Bayonet connection (Can use Quick Connection                       |
|                              | if small hose is added to the helmet.)                             |

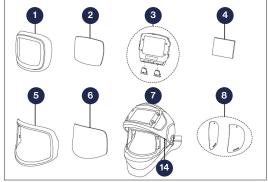


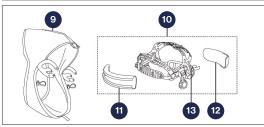
| Item                              | Qty | Code       |
|-----------------------------------|-----|------------|
| 1 Front lens holder               | 1   | WSHWR95007 |
| 2 Outside cover lens              | 1   | WSHWR95003 |
| 3 Auto darkening filter (ADF950S) | 1   | WSHWR95012 |
| 4 950S Inside cover lens          | 1   | WSHWR95004 |
| 5 Grind lens holder               | 1   | WSHWR95008 |
| 6 Grind lens (anti-fog)           | 1   | WSHWR95005 |
| 7 Helmet shell (non-air)          | 1   | WSHWR95017 |
| 7 Helmet shell with airflow       | 1   | WSHWR95018 |
| 8 Side lens cover                 | 1   | WSHWR95013 |
| 9 Face seal                       | 1   | WSHWR95016 |
| 10 Headgear (non-air)             | 1   | WSHWR95014 |
| 10 Headgear for air               | 1   | WSHWR95015 |
| 11 12 Sweatbands                  | 1   | WSHWR95006 |
| 13 Hose Clip (headgear)           | 1   | WSHWR95019 |
| 14 Hinge Spring pr                | 1   | WSHWR95011 |

#### **Optional**

| Item                                 | Qty | Code       |
|--------------------------------------|-----|------------|
| Front Leather Throat Protection      | 1   | WSHWR95040 |
| TM1000 Back Hood Cover<br>Protection | 1   | WSHWR95041 |









#### 15 Front Leather Throat Protection

- · Added leather throat protection for TECMEN welding
- Protects your neck and upper chest/shoulders from molten metal, sparks and flames.

#### 16 Back Hood Cover Protection

Extra back of head and neck protection to fit your TECMEN welding helmet and respirator.

- To protect you from molten metal, sparks and flames while you weld.
- Flame resistant material.

## **TECMEN TM900**

#### **Lightweight Wide Vision Helmet for All-Day Welding Comfort**

Welding requires precision and endurance, and the TM900 is built to deliver both. Featuring the same superior wide-lens visibility as the TM1000 but without the flip front, this helmet provides exceptional clarity while being lighter in weight—ideal for welders who want maximum comfort during long shifts.

### **Up to 30% lighter**



#### **Options:**







For welders who spend long hours on the job, the TM900 offers superior wide-lens visibility in a lightweight design that reduces strain and fatigue. Its close fitting, fixed-front construction eliminates extra bulk, making it ideal for precision welding and overhead applications. Crystal-clear optics and an ergonomic fit keeps you focused and comfortable—so you can weld with precision, protection, and ease

## **TM900**

Lightweight, Best optical class 1/1/1/1 with true colour



**External grinding control** 

Allows quick switching from welding

#### Intelligent arc sensor technology

Not affected by natural/surrounding light, stable outdoor performance.

#### Wide 107x75mm viewing area

# to grinding and back without lifting the welding hood or removing gloves. Multi point adjustable headgear Well balanced design, maximum comfort level.

#### Superior lens technology

Best optical class 1/1/1/1 to bring true colour and clear vision to the welder.

1 Optical class: No distortion.

1 Light diff vision: No double vision.

1 Homogeneity: No shade variation.

1 Angle dependence: Shade remains consistent when looking at any angle.

#### Side windows

Shade 5 lens on both sides, enhances surround vision for greater safety.

#### High impact resistance

Australian and New Zealand Standard AS/NZS 1337.1 compliant.

## World's best optical rating 1/1/1/1

- 1 Optical class: No distortion.
- 1 Light diff vision: No double vision.
- 1 Homogeneity: No shade variation.
- 1 Angle dependence: Shade remains consistent when looking at any angle.



#### True colour lens

Bringing realistic colour to the welder's world. No more green environments with weak colour contrasts.

#### 107x75mm

auto-darkening view + side windows

## 2 year lens warranty

#### Solar powered

with battery backup. Automatic on-off so ready to weld at any time. Easy lens controls

Weld shade adjustment 9-13. Cutting shade adjustment 5-8. Sensitivity adjustment 1-10. Delay adjustment 1-10.

## TM900 FreFlow PAPR

All the great benefits with the powered air-purifying respirator.



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Comes with a large trade backpack to store and carry helmet and respirator unit. Extra storage department for spare lens and filters.

## **TM900 Specifications, Parts & Accessories**



#### **TM900 Welding Helmet Specifications**

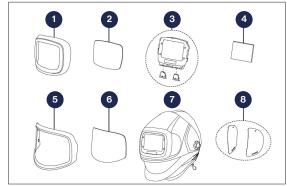
| Optical Class                | 1/1/1/1                                     |  |
|------------------------------|---|--|
| Viewing Area                 | 107 x 75 mm                                 |  |
| Cartridge Size               | 156 × 123 × 33 mm                           |  |
| Arc Sensor                   | 4   |  |
|                              | DIN 3                                       |  |
| Light State                  | 51110                                       |  |
| Dark State                   | DIN 5~8/9~13                                |  |
| Shade Control                | Internal, Digital Display Control           |  |
| Sensitivity Control          | Low-High, Digital Display Control           |  |
| On/Off                       | Auto On/Off                                 |  |
| Power Supply                 | Solar cell, Battery replaceable             |  |
| Batery Type                  | 2 x CR2450                                  |  |
| Switch Time                  | 1/25,000 s. from Light to Dark              |  |
| Delay Time                   | 0.1~1.0 s, Digital Display Control          |  |
| (Dark to Light)              |   |  |
| Low TIG Amps Rated           | ≥ 2 amps (DC); ≥ 2 amps (AC)                |  |
| Grind Mode                   | External grinding control                   |  |
| <b>Low Battery Indicator</b> | Digital Display                             |  |
| <b>Battery Capacity Test</b> | Digital Display                             |  |
| Helmet Weight                | Standard helmet 730g.                       |  |
|                              | Respiratory version 890g.                   |  |
| <b>Helmet Material</b>       | High-impact Resistance Nylon                |  |
| Operating Temperature        | 10°C ~ +55°C (14°F ~ 131°F)                 |  |
| Application Range            | Stick Welding (DC&AC). TIG(DC,DC Pulse);TIG |  |
|                              | AC(Pulse),Excellent low amperage TIG        |  |
|                              | response. MIG/MAG; MIG/MAG Pulse; Plasma    |  |
|                              | Cutting/Welding.Grinding.Oxyacetylene       |  |
|                              | Welding/Cutting.                            |  |
| Warranty                     | Auto darkening lens: 2 years                |  |
| Standards                    | Helmet: AS/NZS1337.1:2010 High impact rated |  |
|                              | Lens: AS/NZS1338, EN379                     |  |
| FreFlow connection           | Quick connect hose                          |  |
|                              |   |  |

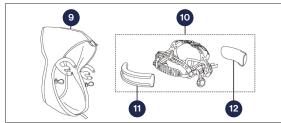


| Item                              | Qty | Code       |
|-----------------------------------|-----|------------|
| 1 Front lens holder               | 1   | WSHWR95007 |
| 2 Outside cover lens              | 1   | WSHWR95003 |
| 3 Auto darkening filter (ADF950S) | 1   | WSHWR95012 |
| 4 950S Inside cover lens          | 1   | WSHWR95004 |
| 5 Grind lens holder               | 1   | WSHWR95008 |
| 6 Grind lens (anti-fog)           | 1   | WSHWR95005 |
| 7 Helmet shell (non-air)          | 1   | WSHWR90017 |
| 7 Helmet shell with airflow       | 1   | WSHWR90018 |
| 8 Side lens cover                 | 1   | WSHWR95013 |
| 9 Face seal                       | 1   | WSHWR95016 |
| 10 Headgear (non-air)             | 1   | WSHWR95014 |
| 10 Headgear for air               | 1   | WSHWR95015 |
| 11 12 Sweatbands                  | 1   | WSHWR95006 |

#### **Optional**

| Item                            | Qty | Code       |
|---------------------------------|-----|------------|
| Front Leather Throat Protection | 1   | WSHWR95040 |
| 14 Back Hood Cover Protection   | 1   | WSHWR95041 |







#### Front Leather Throat Protection

- Added leather throat protection for TECMEN welding helmets.
- Protects your neck and upper chest/shoulders from molten metal, sparks and flames.

#### 14 Back Hood Cover Protection

Extra back of head and neck protection to fit your TECMEN welding helmet and respirator.

- To protect you from molten metal, sparks and flames while you weld.
- Flame resistant material.

## **TECMEN TM820**

#### **The Slimline Welding Helmet for Confined Spaces**

Crystal-clear vision in a compact, low-profile design – ideal for welding in tight or hard-to-reach areas. This helmet is built for daily tasks, providing protection without added weight, and integrates seamlessly with the FreFlow blower unit to keep welders breathing safely and easily.

## without compromising protection. A cost-effective choice for welders who need trusted performance and durability, the TM820 delivers clarity, comfort, and ease of use—making it the go-to helmet for everyday welding tasks. رق TECMEN FreFlow

#### **Options:**







**Why Choose** 

the TM820?

Designed for welders who need

TM820 offers crystal-clear vision

lightweight build makes it ideal for confined spaces, overhead work, and all-day use, reducing neck strain

in a compact, slimline design. Its

a no-fuss, reliable helmet, the

## **TM820**

## Lightweight, Best optical class 1/1/1/1 with true colour



#### Intelligent arc sensor technology

Not affected by natural/surrounding light, stable outdoor performance.

#### Large 95x85mm viewing area

#### Aluminium heat shield

Reflects heat away from the welder and lens, for continuous high amp welding.

#### Superior lens technology

Best optical class 1/1/1/1 to bring true colour and clear vision to the welder.
1 Optical class: No distortion.
1 Light diff vision: No double vision.
1 Homogeneity: No shade variation.
1 Angle dependence: Shade remains consistent when looking at any angle.



#### **External grinding control**

Allows quick switching from welding to grinding and back without lifting the welding hood or removing gloves.

#### Multi point adjustable headgear

Well balanced design, maximum comfort level.

#### High impact resistance

Australian and New Zealand Standard AS/NZS 1337.1 compliant.

## 2 year auto-darkening lens warranty

Solar powered with battery backup. Automatic on/off, so ready to weld at any time. Low amperage TIG rated down to 2 amps.

Weld shade 9 - 13 Cutting shade 5 - 8 Sensitivity adjustment Lo - Hi Delay adjustment Long - Short





#### True colour lens

Bringing realistic colour to the welder's world. No more green environment with weak colour contrasts.

## TM820 FreFlow PAPR

All the great benefits with the powered air-purifying respirator.



## Adjustable Air Outlet to distribute the airflow closer or further from the face.

#### Adjustable airflow

170 lpm or 210 lpm airflow rates to provide the user better comfort, and cooling in hot or heavy workload conditions.



## TM820 Specifications, Parts & Accessories



#### **TM820 Welding Helmet Specifications**

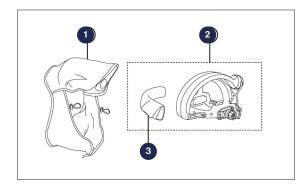
| Optical Class  | 1/1/1/1 highest optical class with high definition   |  |
|--|--|--|
|  | lens technology (EN379)  |  |
| Viewing Area   | 95 x 85mm  |  |
| Lens Shade   | Variable Shade 5-8 / 9-13  |  |
| Light State  | DIN 3.5  |  |
| Shade Control  | Internal   |  |
| Sensors  | 4  |  |
| On/Off   | Automatic On / Off   |  |
| Power Supply   | Solar cell + Battery replaceable, 1*CR2450 lithium battery   |  |
| Switch Time  | 1/25,000 s. from Light to Dark   |  |
| <b>Sensitivity Control</b>   | Low~High, by infinite dial knob  |  |
| <b>Delay Time</b>  | 0.1~1.0s by infinite dial knob   |  |
| (Dark to Light)  |  |  |
| Low TIG Amps Rated   | 2 amps   |  |
| Grind Mode   | Yes, External grinding button  |  |
| drina wode   | res, Externar grinding buttori   |  |
| Helmet Weight  | Standard Helmet 645g, Respiratory version 880g   |  |
|  | Standard Helmet 645g, Respiratory version  |  |
| Helmet Weight  | Standard Helmet 645g, Respiratory version<br>880g<br>Lens holder, to fit standard 108x51 magnification   |  |
| Helmet Weight  Magnification Lens  | Standard Helmet 645g, Respiratory version<br>880g<br>Lens holder, to fit standard 108x51 magnification<br>lenses   |  |
| Helmet Weight  Magnification Lens  Operating Temperature                                       | Standard Helmet 645g, Respiratory version 880g Lens holder, to fit standard 108x51 magnification lenses -10°C to +55°C   |  |
| Helmet Weight  Magnification Lens  Operating Temperature Storing Temperature                   | Standard Helmet 645g, Respiratory version 880g  Lens holder, to fit standard 108x51 magnification lenses  -10°C to +55°C  -20°C to +70°C  Stick Welding (DC&AC). TIG(DC,DC Pulse);TIG AC(Pulse),Excellent low amperage TIG response. MIG/MAG; MIG/MAG Pulse. Plasma Cutting/ Welding; Grinding; Oxyacetylene   |  |
| Helmet Weight  Magnification Lens  Operating Temperature Storing Temperature Application Range | Standard Helmet 645g, Respiratory version 880g  Lens holder, to fit standard 108x51 magnification lenses  -10°C to +55°C  -20°C to +70°C  Stick Welding (DC&AC). TIG(DC,DC Pulse);TIG AC(Pulse),Excellent low amperage TIG response. MIG/MAG; MIG/MAG Pulse. Plasma Cutting/ Welding; Grinding; Oxyacetylene Welding/Cutting;  |  |
| Helmet Weight  Magnification Lens  Operating Temperature Storing Temperature Application Range | Standard Helmet 645g, Respiratory version 880g  Lens holder, to fit standard 108x51 magnification lenses  -10°C to +55°C  -20°C to +70°C  Stick Welding (DC&AC). TIG(DC,DC Pulse);TIG AC(Pulse),Excellent low amperage TIG response. MIG/MAG; MIG/MAG Pulse. Plasma Cutting/ Welding; Grinding; Oxyacetylene Welding/Cutting;  Auto darkening lens: 2 years  Helmet: AS/NZS1337.1:2010 High impact rated |  |

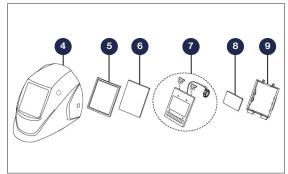


| Item                             | Qty | Code       |
|----------------------------------|-----|------------|
| 1 Face seal                      | 1   | WSHWR82016 |
| 2 Headgear with air connection   | 1   | WSHWR82015 |
| 2 Headgear (non-air)             | 1   | WSHWR82014 |
| 3 Sweatbands                     | 1   | WSHWR82006 |
| 3 Sweatband for Freflow          | 1   | WSHWR82005 |
| 4 Helmet Shell                   | 1   | WSHWR82017 |
| 4 Helmet Shell for FreFlow       | 1   | WSHWR82018 |
| 5 Rubber frame                   | 1   | WSHWR82007 |
| 6 Outside cover lens             | 1   | WSHWR82003 |
| 7 Auto darkening filter (ADF820) | 1   | WSHWR82012 |
| 8 Inside cover lens              | 1   | WSHWR82004 |
| 9 Lens Holder                    | 1   | WSHWR82008 |

#### **Optional**

| •  |     |            |
|--|-----|------------|
| Item   | Qty | Code       |
| Front Leather Throat Protection                        | 1   | WSHWR95040 |
| Rear Extended Hood able to fit to most Welding Helmets | 1   | WSLCHX0200 |
| Tecmen TM820 Helmet Adapter for Hardhat                | 1   | WSHWR82050 |







#### Front Leather Throat Protection

- Added leather throat protection for TECMEN welding helmets.
- Protects your neck and upper chest/shoulders from molten metal, sparks and flames.

#### 12 Helmet Adapter for Hardhat

 Adapter to attach your hardhat to the Tecmen TM820 welding helmet. Designed to fits most hardhats.



## **TECMEN G Series Face Shield Helmets**

Fresh, Cool Air with Full Face & Head Protection



### Why Choose a G10 or G20?

A standard face shield only protects your face—the TECMEN G-Series protects your face, lungs, and head in one system. Unlike traditional face shields, the G10 Bump Cap and G20 Hard Hat integrate with PAPR technology, providing a constant supply of fresh, filtered air while protecting against dust, sparks, and impact risks. The G10 is lightweight and highly adjustable, perfect for grinding and fabrication, while the G20 includes a built-in hard hat, making it ideal for heavy industrial sites where head protection is required. No fogging, no heat buildup—just all-day comfort and protection.

#### **Options:**



G10 Bump Cap with FreFlow Code: WSHWRG1001



G10 Bump Cap Only Code: WSHWRG1000



G20 Hard Hat with FreFlow Code: WSHWRG2001



G20 Hard Hat Only Code: WSHWRG2000

### When Do You Need a G10 or G20?

If your job exposes you to flying debris, harmful dust, or head protection, a standard face shield won't cut it. The G10 Bump Cap and G20 Hard Hat deliver unmatched protection by combining a high-impact face shield helmet with a Powered Air-Purifying Respirator (PAPR)—keeping your lungs clear and your vision sharp.

#### 10 Tasks That Demand G-Series Protection



#### **Grinding & Surface Prep**

Stops sparks, dust, and fine metal particles from reaching your lungs.



#### **Cutting & Plasma Cutting**

Blocks high-speed debris and toxic fumes from metal cutting operations.



#### Sanding & Polishing

Protects against fine metal dust that can cause long-term respiratory issues.



#### **Fabrication & Assembly**

Shields your face while preventing exposure to airborne shavings and adhesives.



#### **Spray Painting & Coating**

Works with gas filters to block harmful fumes and overspray.



#### **Foundry Work & Casting**

Offers heat protection and cool, clean air in high-temperature environments.



#### **Deburring & Finishing**

Prevents sharp metal chips from hitting your face while keeping your breathing zone clean.



#### **CNC Machining & Milling**

Blocks ejected debris and airborne coolant mist for a safer, clearer workspace.



#### **Inspection Work**

In-house and on-site inspections where head, face and respiratory protection is required.



#### **Industrial Maintenance & Repairs**

Ideal for cleaning, rust removal, and other high-exposure tasks.



#### Different grades to meet a variety of head protection requirements.



#### EN812:2012 EN166:2001

G10 bump cap face shield meets EN812 standard, providing comprehensive breathing, head, eye and face protection for users.



#### EN397:2012 EN166:2001

G20-V hard hat face shield meets EN397 hard hat standard, integrated one-piece design, protecting the user from mechanical impact and falling objects

## Work Smarter and Safer with TECMEN G10 & G20 Face Shield Helmets

By upgrading to the G10 or G20 with FreFlow, you're not just choosing better gear—you're choosing better health, comfort, and compliance. Keep your team safe, productive, and protected.





#### Bump cap/Hard hat protection

Blended engineering plastics with both rigidity and toughness. G10 bump cap compliant to EN812:2012. G20 hard hat compliant to EN397:2012.

## Large impact resistant face shield

provides unobstructed vision with no distortion and allows complete transmission of light while protecting the eyes and face from heat and debris.

Face shield impact rating Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids.

High impact rating to ASNZS1337

#### Flip-up design

Easily flip-up the face shield.



## Water resistant flame retardant face seal

with great sealing performance, ensuring that a micro-positive pressure state is formed in the face shield.



#### Comes with a large trade backpack

to store and carry helmet and respirator unit.

Extra storage department for spare lens and filters.

## G10/20 Specifications, Parts & **Accessories**

#### G10/G20 Face Shield Helmet Specification

| ModelG10G20Helmet with FreFlowWSHWRG1001WSHWRG2001Helmet OnlyWSHWRG1000WSHWRG2000Head Protection<br>StandardBump cap<br>EN812:2012Hard hat<br>EN397:2012Weight660g792gApplicationsCutting, Grinding,<br>Sanding, Polishing,<br>Painting, Spraying,<br>Chemical UseCutting, Grinding,<br>Sanding, Polishing,<br>Painting, Spraying,<br>Chemical UseEye and Face<br>ProtectionCertified to EN166:2001<br>CE Catll<br>3 - Splashes of liquids.<br>9 - Molten metals and hot<br>solids.<br>High impact rating to<br>ASNZS1337Certified to EN166:2001<br>CE Catll<br>3 - Splashes of liquids.<br>9 - Molten metals and<br>hot solids.<br>High impact rating to<br>ASNZS1337FreFlow connectionBayonet connect hoseQuick connect hose   |                     |   |   |
|--|---------------------|---|---|
| Helmet Only Head Protection Standard Bump cap EN812:2012 Weight 660g Applications Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  Hard hat EN397:2012 Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337   | Model               | G10   | G20   |
| Head Protection Standard  Bump cap EN812:2012  Hard hat EN397:2012  Weight  660g  792g  Applications  Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  Hard hat EN397:2012  Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  | Helmet with FreFlow | WSHWRG1001  | WSHWRG2001  |
| Standard EN812:2012 EN397:2012  Weight 660g 792g  Applications Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use Certified to EN166:2001  Eye and Face Protection CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  EN397:2012  Euli 792g  Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001  CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  | Helmet Only         | WSHWRG1000  | WSHWRG2000  |
| Applications  Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  Cutting, Grinding, Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337   |                     |   |   |
| Sanding, Polishing, Painting, Spraying, Chemical Use  Sanding, Polishing, Painting, Spraying, Chemical Use  Certified to EN166:2001 CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  Sanding, Polishing, Painting, Spraying Chemical Use | Weight              | 660g  | 792g  |
| Protection  CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337  CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to ASNZS1337   | Applications        | Sanding, Polishing,<br>Painting, Spraying,  | Sanding, Polishing,<br>Painting, Spraying,  |
| FreFlow connection Bayonet connect hose Quick connect hose   |                     | CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to | CE Catll 3 - Splashes of liquids. 9 - Molten metals and hot solids. High impact rating to |
|  | FreFlow connection  | Bayonet connect hose  | Quick connect hose  |

#### G10/20 Face Shield Spare Parts

| Item                            | Qty  | Code       |
|---------------------------------|------|------------|
| 1 Clear Protector Visor         | 1    | WSHWRG1004 |
| 2 Peel of Visor Cover           | 10pk | WSHWRG1003 |
| 3 Visor Frame Button Set        | 1    | WSHWRG1009 |
| 4 Bump Cap Connection Set       | 1    | WSHWRG1019 |
| 5 G10 Bump Cap Top              | 1    | WSHWRG1018 |
| 5 G20 Hard Hat Top              | 1    | WSHWRG2018 |
| 6 Visor Frame                   | 1    | WSHWRG1008 |
| 7 Face Seal                     | 1    | WSHWRG1016 |
| 8 G10 Headgear                  | 1    | WSHWRG1014 |
| 8 G20 Headgear                  | 1    | WSHWRG2014 |
| 9 Back Comfort Pad              | 1    | WSHWRG1006 |
| 10 Chin Strap                   | 1    | WSHWRG1020 |
| 11 Front Sweat Band             | 1    | WSHWRG1005 |
| 12 G10 Ribbon for Headgear      | 1    | WSHWRG1013 |
| 12 G20 Ribbon for Headgear      | 1    | WSHWRG2013 |
| Face Shield Flip Up Spring Pair | 1    | WSHWRG1011 |



#### **Optional**

| Item   | Qty | Code       |
|--|-----|------------|
| TECMEN G10/20 Face Shield Flip Up Shade 5 Lens | 1   | WSHWRG1010 |





This shade 5 lens connects to the G10 or G20 helmet visor to provide effective protection against UV/IR.

- $\label{lem:continuous} Optical \ grade \ PC \ material \ delivers \ high-resolution \ clear \ vision.$
- The high-intensity visor provides effective protection against UV/IR radiation, particle spatter, liquid spatter, metal melt, and hot solid spatter, ensuring optimal safety.
- Easy flip-up function and parked position when not needed so able to keep the respirator helmet on at all times.

## **TECMEN H Series**

#### Full Hood Protection with Clean, Cool Air

For industries where dust, chemicals, and airborne hazards are a constant risk, standard respirators don't offer enough protection. The FreFlow H-Series is designed for total head and respiratory safety, combining a lightweight, full-coverage hood with Powered Air-Purifying Respirator (PAPR) technology. With a continuous flow of filtered, cool air, workers stay protected, comfortable, and compliant—no matter the environment.



## Why Choose the FreFlow H2 or H3?

For workers facing high levels of dust, chemicals, or airborne contaminants, the FreFlow H-Series provides total head and respiratory protection. Unlike halfmasks or tight-fitting respirators, these lightweight hoods completely cover the head, neck, and shoulders, preventing exposure in hazardous work environments. The positive-pressure PAPR system ensures a continuous flow of cool, filtered air, reducing breathing resistance and eliminating heat buildup. Ideal for painting, polishing, pharmaceuticals, industrial maintenance, or chemical handling, the FreFlow H-Series delivers comfort, compliance, and confidence on the job.

#### Options:









## **Tecmen H2 Respiratory Spray Hood**

#### **Hood material**

Lightweight, breathable, anti-static for dust and liquid proof with neck and shoulder protection. Seams are heat melted with adhesive tape after sewing. Barrier membrane with composite fabric 87g/cm2.

#### Extremely comfortable

Positive-pressure air supply, stably convey filtered clean air to head and face of wearer, micro-positive pressure protecting wearer from respiratory resistance, avoiding stuffiness and facilitating respiration.

#### Anti-fog, more reliable

Clear vision without fog, ensuring smooth operation and testing.

#### Rechargeable Li-ion battery

Rechargeable battery for longer lifetime. Fast-charging option makes charging only 1 hour.

#### Respiratory protection

Connects to the Freflow for highest level of respirator protection. Filter efficiency > 99.97%, preventing inhalation of dust, pollutants, fine particles as well as other contaminants.

#### Intelligent air supply

Respirator will self-adjust the flow rate according to the blockage of the filter automatically.

#### Real-time display indicator

Filter status / airflow rate / battery capacity indicator, real-time monitoring and displaying.

#### Auto-alarm system

Flashing indicator, beeping sound, together with vibrating blower to ensure safety.

## **H2 Specifications**

| Model               | H2  |
|---------------------|---|
| Code                | WSHWRH2000  |
| Product Description | Dust-proof hood with head and neck protection               |
| Weight Helmet only  | 150 g   |
| Approval            | EN 12941 TH3 PRSL   |
| Applications        | Dust, mist working conditions with low chemical-resistant.  |
|                     | Painting, surface treatment, Polishing.                     |
|                     | Pharmaceutical, Laboratory.                                 |
|                     | Food processing.  |
| Airflow Rate        | Low speed: 170+ipm (6+cfm)<br>High speed: 210+lpm (7.4+cfm) |
| FreFlow connection  | Bayonet connect hose  |

#### **H2 Optional Extras for Spray Painting**



#### **Peel-Off Face Shield**

- Cover fits over the clear shield, designed to protect the sheild from scratching or overspray of paint and chemicals.
- Self-adhesive visor covers can be easy applied, and removed.
- 10 pack (1 ordered = 10 peel-off covers).

Code: WSHWRG1003

#### **FreFlow White Blower Unit Cover**

- Fabric cover to capture and protect the Tecmen Freflow blower unit from paint/mist overspray.
- Clear window cover to see controls and adjust unit.

Code: WSHWR95028



## **Tecmen H3 Respiratory Chemical Hood**

#### H3 hood

Lightweight, dust proof, anti-static, and liquid chemical proof material with neck and shoulder front and back protection.

#### Extremely comfortable

Positive-pressure air supply, stably convey filtered clean air to head and face of wearer, micro-positive pressure protecting wearer from respiratory resistance, avoiding stuffiness and facilitating respiration.

#### Anti-fog, more reliable

Clear vision without fog, ensuring smooth operation and testing.

### Ultrasonic heat-sealing technology for seaming

Seamed with ultrasonic welding and heat-sealing technology, with high intensity feature and longer lifetime.

#### Rechargeable Li-ion battery

Rechargeable battery for longer lifetime. Fast-charging option makes charging only 1 hour.



Connects to the Tecmen Freflow unit for highest level of respirator protection (ASNZS1716). Designed to be use with both particle and gas filters to cover dust particles and chemical vapours when needed.

#### Intelligent air supply

Respirator will self-adjust the flow rate according to the blockage of the filter automatically.

#### Real-time display indicator

Filter status / airflow rate / battery capacity indicator, real-time monitoring and displaying.

#### Auto-alarm system

Flashing indicator, beeping sound, together with vibrating blower to ensure safety.

## **H3 Specifications**

| Model               | Н3  |
|---------------------|---|
| Code                | WSHWRH3000  |
| Product Description | Chemical-proof hood   |
| Weight Helmet only  | 200 g   |
| Approval            | EN 12941 PR SL,<br>AS/NZS 1716  |
| Applications        | Dust and mist working conditions with liquid chemical. Petrochemical and processing chemical industries. Pharmaceutical, Laboratory. Hazardous, and waste treatment environments. |
| Airflow Rate        | Low speed: 170+ipm (6+cfm)<br>High speed: 210+lpm (7.4+cfm)   |
| FreFlow connection  | Bayonet connect hose  |

#### H3 Optional Chemical Vapour & Gas Filter

Freflow Gas filter ABEK-1 WSHWR95025

- Filter type A = Certain organic vapours such as cyclohexane (boiling point above 65°C) from solvents such as those in paints and thinners.
- Filter type B = Acid gases such as chlorine, hydrogen sulfide (sulphide) and sulfur dioxide.
- **Filter type E** = Vapours from sulfur dioxide.
- Filter type K = ammonia gas.



## **TECMEN FreFlow Blower Unit**

**Powered Respiratory Protection for Every Task** 







## Why the FreFlow Blower?

The FreFlow blower unit enhances comfort and safety, allowing you to focus on the job without compromise. Combine it with your choice of filters to ensure every breath is a safe one.

## **TECMEN FreFlow Blower Unit**

#### **Powered Air Purifying Respirator**

High level respirator protection (AS/NZS 1716:2012). Compact design with P3 class that provides clear air.



One button control on/off and adjust airflow.

#### Heavy duty leather belt

Can also be worn with shoulder straps.

#### 2 Year Blower Unit Warranty

#### Air hose

Connecting to helmet, comes with flame retardant cover.

#### Audio-visual and vibrating alarm

Indicates when battery charge and/or filter replacement is required.

#### Intelligent air supply

Self-adjust airflow rate according to the blockage of the filter.

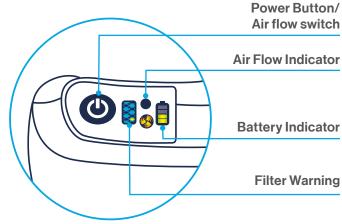
#### **Rechargeable Li-ion battery**

1 hour quick charge gives up to 9 hours of uninterrupted air-flow, with the best warranty in the market. 1 year warranty.



#### **User-friendly LED indicator display**

- Filter status, warning lights to indicate and show how dirty the filter is.
- · Low speed airflow 170 lpm.
- High speed airflow 210 lpm.
- Battery indicator fully charged shows 4 bars.
   1 bar left indicates ready for recharge and warning will start.
- One button to control power and airflow switch.



So Quick. So Easy 28

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**TECMEN FreFlow PAPR Specifications, Parts &** 

**Accessories** 



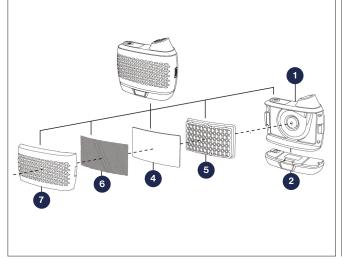
| Alarm Function     | Visible, Audible and Vibrate alarms, indicate when              |
|--------------------|---|
|                    | battery is low, or/and filter replacement is required.          |
| Air Flow Rate      | Self-adjusting airflow rate, to ensure constant flow            |
|                    | rate regardless of clogging of the filter, or battery           |
|                    | level.  |
|                    | Low speed: 170+ lpm (6+cfm)                                     |
|                    | High speed: 210+ lpm (7.4+cfm)                                  |
| Battery            | Type: Rechargeable Li-ion Battery                               |
|                    | Duration: 9 hours (Standard battery, 170 lpm)                   |
|                    | 15 hours (Extended battery, 170 lpm)                            |
|                    | 5-6 hours (Standard battery, 210 lpm)                           |
|                    | Charge time: Standard battery 1 hour.                           |
|                    | (2 hours Extended battery)                                      |
|                    | Life: 550 charges.  |
|                    | Warranty: 1 year.   |
| P3 Filter          | Efficiency: ≥99.97%   |
|                    | Offering particulate protection from dust and                   |
|                    | welding fume hazards. For use with all welding                  |
|                    | applications.   |
| Weight             | Blower unit = 1020g Blower with belt/strap = 1650.              |
| Warranty           | Blower unit 2 year. Battery 1 year.                             |
| PAPR Certification | EN 12941 TH2 PR SL; NIOSH 42 CFR Part 84; AS/<br>N7S 1716: 2012 |

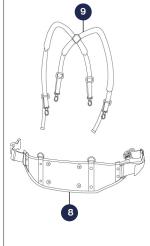
#### Standard FreFlow Parts & Accessories

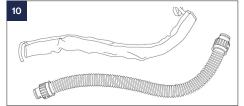
| Item                                       | Qty | Code       |
|--|-----|------------|
| 1 Blower Body Unit                         | 1   | WSHWR95027 |
| 2 Fast Charging Standard<br>Li-ion Battery | 1   | WSHWR95026 |
| 3 Fast Charging Battery Charger            | 1   | WSHWR95039 |
| 4 Pre-filter                               | 1   | WSHWR95020 |
| 5 Particle Filter (P3 Filter)              | 1   | WSHWR95022 |
| 6 Spark Protection                         | 1   | WSHWR95023 |
| 7 Filter Cover                             | 1   | WSHWR95024 |
| 8 Heavy Duty Leather Belt                  | 1   | WSHWR95037 |
| 9 Shoulder Straps                          | 1   | WSHWR95038 |
| 10 Hose (Bayonet)                          | 1   | WSHWR95034 |
| 10 Hose (Quick Connect)                    | 1   | WSHWR95047 |
| 10 Grey FR Hose Cover                      | 1   | WSHWR95033 |
| 11 Air Flow Meter                          | 1   | WSHWR95035 |
| 12 Large Trade Backpack                    | 1   | MBTB       |

#### **Unit Kit includes:**

- FreFlow Respirator unit
- Rechargeable Li-ion Battery
- · Battery Charger
- Heavy Duty Belt
- Shoulder Straps
- Pre-filter, and Main P3 Filter
- Air Flow Meter
- Complete Hose connection assembly with flame retardant protection cover.











## **TECMEN FreFlow Options**



**Filters** 

You can choose a combination of:

- Pre-filter + Particle P3 filter
- Pre-filter + Particle P3 filter + ABEK-1 filter
- Pre-filter + Particle P3 filter + Odour filter

Note: the FreFlow unit can only accommodate 2 large filters.



#### Pre-filter

Used to filter large particles & to extend the life of the P3 main filter. (Sold as a pack of 5) Code: WSHWR95020



#### Particle filter (P3)

Provides 99.997% filtration agaisnt solid and liquid particles, dusts, mists, and fumes from sanding, welding, grinding, cutting, drilling metal, mist droplets from spraying, and organic vapours and gases.

Code: WSHWR95022



#### Gas Filter (ABEK-1)

Protects against organic and inorganic gases and vapours, sulphur dioxide and other acid gases and vapours, ammonia and organic ammonia derivatives.

Code: WSHWR95025

- Filter type A = Certain organic vapours such as cyclohexane (boiling point above 65°C) from solvents such as those in paints and thinners.
- Filter type B = Acid gases such as chlorine, hydrogen sulfide (sulphide) and sulfur dioxide.
- Filter type E = Vapours from sulfur dioxide.
- Filter type K = ammonia gas.



#### Odour filter

Charcoal filter layer is recommended to help to reduce nuisance odours during cutting, burning, welding

Available in a complete unit with holder and filter (need to start with this), and replacement ongoing filters.

Odour Filter Code: WSHWR95021

Odour Filter and Holder Code: WSHWR95031



#### 2 Batteries



#### **Fast-Charging Standard Battery**

- Duration: 9h (170 LPM) or 5-6h (210 LPM)
- Charge Time: 1h (90%), 1.5h (100%)
- Battery Life: 550 charge cycles
- · Warranty: 1 year

Code: WSHWR95026



#### **Fast-Charging Extended Battery**

- Duration: 15h (170 LPM)
- Charge Time: 2h (90%), 2.5h (100%)
- Battery Life: 550 charge cycles
- Warranty: 1 year

Code: WSHWR95029

#### 3 Belts & Shoulder Straps

Every FreFlow blower unit comes comes with a heavy duty leather belt and shoulder straps. A lightweight material belt or backpack is available separately.



#### Standard Belt

Flexible lightweight material belt. Code: WSHWR95036



#### **Heavy Duty Leather Belt**

Leather belt for long life when welding, grinding, and heat sensitive work.

Code: WSHWR95037



#### Shoulder Straps

Connects with belt to provide additional support and weight to the shoulders.

Code: WSHWR95038



#### FreFlow Backpack

- Designed to mount the freflow PAPR unit on your back to evenly distributes weight as an alternative to the standard waistbelt mount.
- Adjustable shoulder strips to optimise comfort and fit for each individual user.
- Positions PAPR system away from the welding fume to access cleaner air.

Code: WSHWR95044





#### **Bayonet Connection Hose**

Compatible with the original FreFlow unit, secures with a simple twist-lock.

Code: WSHWR95034



#### **Quick Connection Hose**

Designed to fit with the short quick connection hose on helmet, or direct to G20, allows for fast one-handed attachment.

Code: WSHWR95047



#### **Short Quick Connection Hose**

Small hose on helmet designed to easy connect to respirator unit. Adapts a bayonet-style hose to a Quick Connect main hose.

Code: WSHWR95048



#### Hose covers

- FR cloth to protect your hose.
- Available in standard or short length

FR Hose Cover Code: WSHWR95033 Short Hose Cover Code: WSHWR95049



#### White Blower Unit Cover

Fabric cover to protect the Tecmen Freflow blower unit from paint/mist overspray.

Code: WSHWR95028

## The Real Cost of Safety

When it comes to respiratory safety, not all solutions are created equal. While PAPRs like TECMEN's models require a higher initial investment, they offer savings in comfort, efficiency, and replacement costs over time.

## **Comparing Costs Over Time**

#### **Initial Investment**

Traditional masks may seem cost-effective upfront but require frequent replacements.

#### **Longevity of PAPRs**

PAPRs like TECMEN's range last longer and are more comfortable, reducing worker fatigue and improving focus and productivity.

#### **Increased Productivity with Quality PPE**

Safe, comfortable PPE is an investment that pays off, especially when it enables your team to work without strain or discomfort. TECMEN respirators are designed for comfort, durability. and protection, making them the cost-effective choice in the long run.



| Product                      | TECMEN PAPR<br>(Excl. GST)   | Traditional Welding Helmet + Half-Face Respirator (Excl. GST) |
|------------------------------|------------------------------|---|
| Welding Helmet / PAPR System | \$1,895.00                   | \$950.80  |
| Half-Face Respirator         | Not Required                 | \$95.75 (replaced annually)                                   |
| Pre-Filters<br>(Pack of 5)   | \$31.01 (replaced weekly)    | Not Required  |
| Particle (P3) Filters        | \$47.21 (replaced quarterly) | \$36.66 (replaced weekly)                                     |
| Initial Setup Cost           | \$1,895.00                   | \$1,083.21  |
| Annual Consumable Cost       | \$486.54                     | \$1,855.43  |

\*Cost comparison based on pricing as of January 2025. Actual prices may vary over time. Replacement times are only an average used for cost comparison. Always check OEM filter guides and the environmental considerations to determine how long filters last.

## **TECMEN**

#### Where Quality and Comfort Meet Compliance

TECMEN respirators deliver on safety, comfort, and compliance, helping you create a safer, more efficient workshop. Our commitment to quality PPE means that your team can focus on what they do best, without sacrificing safety or comfort.

### **Contact Us Today**

Reach out for a consultation, product demonstration, or further information on how TECMEN can help protect your team. Visit our website at Euromarc.co.nz or scan the QR code to explore our full range of respiratory protection.



https://www.euromarc.co.nz/safety/welding-helmets

Discover the TECMEN difference—your team deserves the best.

