



3M™ Speedglas™

Welding Helmets & Consumables



 **Speedglas™**
Welding Safety

Blackwoods

13 73 23  blackwoods.com.au

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

Part No.
0040 7902

- Heavy duty flip-up welding helmet with 15% larger grinding visor
- Variable Dark State Colours and True-View Technology
- Helmet air duct system for climate control
- Bluetooth® connectivity and optional task light
- Heavy duty Adflo PAPR supplies 50 times cleaner air (RMPF = 50)
- Flip-up mechanism reveals extra-large high impact grinding visor (170 x 104mm)
- Extra-large viewing area (73 x 109mm) with extra dark shade 14 for heavy-duty welding
- Variable Colour Technology maximises comfort for your eyes
- True-View optics for improved colour and contrast
- Adjust helmet airflow with Climate Control
- Bluetooth connectivity and optional task light
- Adflo PAPR supplies at least 50 times cleaner air (RMPF = 50)
- Heavy-Duty Adflo battery offers 12 hours' continuous protection



MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard – 10 Pack	0775 0800
527000	External Cover Lens Hard Coated – 10 Pack	0775 0817
528025	Internal Cover Lens – 5 Pack	0775 0885
198505	Sweatband – 5 Pack	0088 4752
613000	Visor Plate Anti-Fog – 5 Pack	0088 4956
614000	Face Seal	0088 5024
836010	Adflo Pre-Filter – 5 Pack	0409 8860
837010	Adflo Particle Filter	0409 8673
836080	Adflo Pre-Filter – 80 Pack	0650 5635
837080	Adflo Particle Filter – 80 Pack	0650 5652
837242	Adflo Nuisance Level Organic, Inorganic & Acid Gas Filter	0593 3449
837542	Adflo A1 Gas Filter	0788 3383

CONSUMABLES



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3M™ Speedglas™ G5-01VC Welding Helmet with V-500E SAR Respirator

Part No.
0088 5109

- Comes with the Versaflo V-500E Supplied Air Regulator for respiratory protection
- New Variable Colour technology allows you to choose between colour tones in the dark state (natural, cool, warm)
- New shade 14 for high amperage, heavy-duty welding (shades 3,5,8-14)
- A massive 73 x 109mm viewing area
- Flip-up clear grinding visor (170 x 104mm)
- New two-step dark-light recovery to minimise eye strain
- New Bluetooth connectivity for memory modes, shade and colour selection
- True-View optics for colour and contrast
- Highest possible optical classification (1/1/1)
- Advanced TST (TIG Sensor Technology) down to industry leading 1 amp
- Adjustable air flow settings 170-305 litres per minute
- Lightweight and compact with RMPF 100+
- Connects to an approved breathable air hose. Supplied air must be of breathable quality AS/NZS1716



MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard – 10 Pack	0775 0800
527000	External Cover Lens Hard Coated – 10 Pack	0775 0817
528025	Internal Cover Lens – 5 Pack	0775 0885
198505	Sweatband – 5 Pack	0088 4752
613000	Visor Plate Anti-Fog – 5 Pack	0088 4956
614000	Face Seal	0088 5024

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3M™ Speedglas™ G5-01VC Welding Helmet Upgrade Kit

Part No.
0040 7919

- Allows existing Adflo customers to upgrade their helmet
- Includes new G5-01VC helmet and lens
- Extra-large flip-up grinding visor
- True-View optics and Variable Colour tones in the dark state
- Extra-large Speedglas welding lens (73x109mm)
- Extra dark shade 14 for heavy-duty welding (3/5, 8-14)
- Airflow climate control
- Configurable extra coverage options



MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard – 10 Pack	0775 0800
527000	External Cover Lens Hard Coated – 10 Pack	0775 0817
528025	Internal Cover Lens – 5 Pack	0775 0885
198505	Sweatband – 5 Pack	0088 4752
613000	Visor Plate Anti-Fog – 5 Pack	0088 4956
614000	Face Seal	0088 5024

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3M™ Speedglas™ G5-02 Welding Helmet

Part No.
0209 3622

World's first curved auto-darkening lens!

- 100% wider field of view than a traditional flat lens
- A massive 76 x 150mm viewing area
- True-View technology with an extra-light shade of 2.5
- Dark shades 8-12
- Four photo sensors with industry-leading arc detection (> 1 Amp)
- Slim, lightweight profile (just 535g)
- Bluetooth connectivity



MFR. NO	DESCRIPTION	PART NUMBER
626000	External Cover Lens Hard Coated - 5 Pack	0209 3673
624000	Internal Cover Lens - 2 Pack	0209 3656
168505	Sweatband - 5 Pack	0267 0487



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

Mobile and adaptable respiratory protection.

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.

Technical Data	3M™ Adflo™ Powered Air Respirator
Approvals Respiratory Protection	Confirms to AS/NZS1716
Required Minimum Protection Factor (RMPF) ¹⁾	50
Airflow Standard	170 Litres/minute
Airflow Plus	200 Litres/minute
Battery: Charging time	Li-ion with rapid charge (0-80% in an hour) ²⁾ 4.5 Hours (standard), 5.5 hours (heavy duty)
Operating Hours	8 Hours (standard) or 12 hours (heavy duty)
Weight Respirator	960 Grams
Noise Level dB	Max 75 dB
Belt	Leather 75-115cm

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.

3M™ Speedglas™ 9100XXi Air Welding Helmet with Adflo PAPP

- External grind button with memory modes
- True-View Technology
- Peripheral SideWindows
- Adflo PAPP supplies 50 times cleaner air (RMPF = 50)
- External grind and memory mode
- Speedglas TrueView with SideWindows
- Extra-large viewing area (73 x 107mm)
- Powerful arc detection (1 amp)
- Adflo Powered Air Purifying Respirator (PAPP)
- Two air flow settings 170/200 litres per minute

MFR. NO	DESCRIPTION	PART NUMBER
507726	Respirator Papp Speedglas 9100XXi Air	0305 6455
507726HD	Helmet 9100XXi Air HD Speedglas Adflo	0358 1160

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
534100	Face Seal	0206 0850
836010	Adflo Pre-Filter - 5 Pack	0409 8860
837010	Adflo Particle Filter	0409 8673
836080	Adflo Pre-Filter - 80 Pack	0650 5635
837080	Adflo Particle Filter - 80 Pack	0650 5652
837242	Adflo Nuisance Level Organic, Inorganic & Acid Gas Filter	0593 3449
837542	Adflo A1 Gas Filter	0788 3383



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3M™ Speedglas™ 9100XXi FX Air Welding Helmet with Adflo PAPP

- Flip-up welding helmet with clear grinding visor
- True-View Technology
- Peripheral SideWindows
- Adflo PAPP supplies 50 times cleaner air (RMPF = 50)
- Large flip-up grinding visor
- Speedglas™ TrueView with SideWindows
- Extra-large viewing area (73 x 107mm)
- Powerful arc detection (1A)
- Adflo Powered Air Purifying Respirator (PAPP)
- Two air flow settings 170/200L/min

MFR. NO	DESCRIPTION	PART NUMBER
547726	Respirator Papp Speedglas 9100XXi FX Air	0305 6608
547726HD	Helmet 9100XXi FX Air Hd Speedglas Adflo	0358 1177

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
534100	Face Seal	0206 0850
836010	Adflo Pre-Filter - 5 Pack	0409 8860
837010	Adflo Particle Filter	0409 8673
836080	Adflo Pre-Filter - 80 Pack	0650 5635
837080	Adflo Particle Filter - 80 Pack	0650 5652
837242	Adflo Nuisance Level Organic, Inorganic & Acid Gas Filter	0593 3449
837542	Adflo A1 Gas Filter	0788 3383



CONSUMABLES



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3M™ Speedglas™ 9100XXi MP Air Welding Helmet with Adflo PAPP

- Integrated safety helmet offers fully compliant head protection
- Flip-up welding helmet with clear grinding visor
- True-View Technology
- Peripheral SideWindows
- Adflo PAPP supplies 50 times cleaner air (RMPF = 50)

MFR. NO	DESCRIPTION	PART NUMBER
577726	Respirator Papp Speedglas 9100XXi MP Air	0305 6659
577726HD	Helmet 9100XXi MP Air Hd Speedglas Adflo	0358 1194

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
534100	Face Seal	0206 0850
836010	Adflo Pre-Filter - 5 Pack	0409 8860
837010	Adflo Particle Filter	0409 8673
836080	Adflo Pre-Filter - 80 Pack	0650 5635
837080	Adflo Particle Filter - 80 Pack	0650 5652
837242	Adflo Nuisance Level Organic, Inorganic & Acid Gas Filter	0593 3449
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CONSUMABLES



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3M™ Speedglas™ 9100XXi Welding Helmet Upgrade Kits

9100XXi Air

- Attaches to existing Adflo system

Upgrade kit includes:

- Speedglas 9100 Air headtop complete with the new 9100XXi welding lens
- Quick Release System (QRS) hose fits directly into existing Adflo PAPR
- Carry bag

9100XXi FX Air

- Attaches to existing Adflo PAPR

Upgrade kit includes:

- Speedglas 9100 FX Air headtop complete with the new 9100XXi welding lens
- Quick Release System (QRS) hose that fits directly into your existing Adflo powered air unit
- Carry bag

9100XXi MP Air

- Attaches to your existing Adflo powered air welding respirator

Upgrade kit includes:

- Speedglas 9100 MP Air headtop complete with the new feature packed 9100XXi welding lens
- Quick Release System (QRS) hose that fits directly into your existing Speedglas Adflo PAPR



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MFR. NO	DESCRIPTION	PART NUMBER
509026	Kit Upgrade Speedglas 9100XXi Air	0305 6489
549026	Kit Upgrade Speedglas 9100XXi FX Air	0305 6642
579026	Kit Upgrade Speedglas 9100XXi MP Air	0305 6693

9100XXi Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
534100	Face Seal	0206 0850

9100XXi FX Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
523000	Visor Plate - 5 Pack	0066 6272
534000	Face Seal	0066 6255

9100XXi MP Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
168505	Sweatband - 5 Pack	0267 0487
523000	Visor Plate - 5 Pack	0066 6272
534200	Face Seal	0155 9010

3M™ Speedglas™ 9100XXi Welding Helmets with V-500E SAR Respirators

- Revolutionary airflow delivery results in improved respiratory protection and comfort (AS/NZS1716)
- Adjustable air flow settings 170-305 litres per minute
- Lightweight and compact with a required minimum protection factor of 100+
- Low flow warning whistle
- Auxiliary port for air tools
- Largest viewing area on the market with peripheral SideWindows
- New True-View for colour and contrast
- Highest possible optical classification (1/1/1)
- Advanced TST (TIG Sensor Technology) down to industry leading 1 amp
- Centre photo-sensor for TIG
- Peripheral SideWindows for enhanced vision
- Shades 5, 8, 9-13 with a light shade of 3 (AS/NZS1338.1)
- Compliant with all relevant Australian & New Zealand standards

9100XXi Air

- Comes with the 3M Versaflo V-500E supplied air regulator
- New external button for grinding and memory mode

9100XXi FX Air

- Flip-up mechanism reveals a clear high impact grinding visor (AS/NZS1337.1)

9100XXi MP Air

- Comes with 3M Versaflo V-500E supplied air regulator
- Flip-up mechanism reveals a clear high impact grinding visor (AS/NZS1337.1)



MFR. NO	DESCRIPTION	PART NUMBER
508826	Respirator Sar Speedglas 9100XXi Air	0305 6472
548826	Respirator Sar Speedglas 9100XXi FX Air	0305 6625
578826	Respirator Sar Speedglas 9100XXi MP Air	0305 6676

9100XXi Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
534100	Face Seal	0206 0850

9100XXi FX Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538
523000	Visor Plate - 5 Pack	0066 6272
534000	Face Seal	0066 6255

9100XXi MP Air

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
168505	Sweatband - 5 Pack	0267 0487
523000	Visor Plate - 5 Pack	0066 6272
534200	Face Seal	0155 9010



3M™ Speedglas™ 9100XXi Welding Helmets

- Largest viewing area on the market with peripheral SideWindows
 - New True-View for colour and contrast
 - Highest possible optical classification (1/1/1)
 - Advanced TST (TIG Sensor Technology) down to industry leading 1 amp
 - Centre photo-sensor for TIG
 - Aerodynamic exhaust vents to assist in removing exhaled air
 - Peripheral SideWindows for enhanced vision
 - Shades 5, 8, 9-13 with a light shade of 3 (AS/NZS1338.1)
 - Compliant with all relevant Australian & New Zealand standards
- 9100XXi**
- New external button for grinding and memory modes
- 9100XXi QR**
- New external button for grinding and memory mode
 - Attach or remove the welding helmet with the Quick Release mechanism
 - Comfortable safety helmet provides overhead protection at all times (AS/NZS1801)
 - Optional hearing protection (AS/NZS1270)
- 9100XXi FX**
- Flip-up mechanism reveals a high impact grinding visor (AS/NZS1337.1)



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CONSUMABLES



MFR. NO	DESCRIPTION	PART NUMBER
501826	Helmet Welding Speedglas 9100XXi	0305 6353
503626	Helmet Welding Speedglas 9100XXi QR	0305 6421
541826	Helmet Welding Speedglas 9100XXi FX	0305 6574

9100XXi

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
169505	Sweatband - 5 Pack	0267 0538

9100XXi QR

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
528025	Internal Cover Lens - 5 Pack	0775 0885
167505	Sweatband - 5 Pack	0267 1626

9100XXi FX

MFR. NO	DESCRIPTION	PART NUMBER
526000	External Cover Lens Standard - 10 Pack	0775 0800
527000	External Cover Lens Hard Coated - 10 Pack	0775 0817
169505	Sweatband - 5 Pack	0267 0538
523000	Visor Plate - 5 Pack	0066 6272

3M™ Speedglas™ 9002NC Welding Helmet

- Slim, low profile helmet
- Super light at just 485 grams
- New True-View technology for colour and contrast
- Aerodynamic exhaust vents remove exhaled air
- Large 55 x 107mm viewing area
- Shades 8-12 with a light shade of 3 (AS/NZS1338.1)
- Highest possible optical classification (1/1/1)
- Suitable for MMAW, MIG/MAG and low Amp TIG welding
- Advanced TST (TIG Sensor Technology) down to industry leading 1 amp
- High impact protection (AS/NZS1337.1)
- Auto-darkening lens is compatible with existing Speedglas 9000 Series helmets (Mfr. No 400085)



Part No.
0403 2578

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CONSUMABLES



MFR. NO	DESCRIPTION	PART NUMBER
426000	External Cover Lens Standard - 10 Pack	0253 2990
428010	Internal Cover Lens - 5 Pack	0253 3024
168505	Sweatband - 5 Pack	0267 0487

3M™ Speedglas™ 100V Welding Helmets

- Made in Sweden with an industry leading 3 year warranty on lens
- High impact to Australian & New Zealand Standards (AS/NZS 1337)
- Speedglas optical quality and comfort
- TST (TIG Sensor Technology) reacts down to 10 amps
- New smooth ratchet head harness
- Shades 3/8-12 with magnifying lens holder
- Extra light shade 3 grind function with high impact rating
- Dark shades can be increased using upgrade plates
- New delay setting (set your dark to light return time)
- Magnifying lens holder for exact placement



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CONSUMABLES



MFR. NO	DESCRIPTION	PART NUMBER
752220	Helmet Welding Xterminat Speedglas 100V	0108 7770
752520	Helmet Welding Ice Hot Speedglas 100V	0108 7872
752820	Helmet Welding Skull Speedglas 100V	0403 2595
752920	Helmet Welding Motor Speedglas 100V	0403 2612
751120	Shield Welding 100V Ninja Speedglas	0815 8817
751620	Shield Weld 100V Troj Warrior Speedglas	0815 8902

MFR. NO	DESCRIPTION	PART NUMBER
776000	External Cover Lens Standard - 10 Pack	0815 9123
169505	Sweatband - 5 Pack	0361 3731
534100	Face Seal	0267 0487

3M™ Adflo™ Powered Air Respirator



To optimise the effective lifetime of your welding equipment and avoid the additional cost of replacement, regular maintenance is important. Replace all damaged parts immediately to ensure correct levels of protection.

Before use

- ① **Battery.** Ensure that it's adequately charged and fitted correctly.
- ② **Motor body.** Inspect the unit for damage and ensure it's firmly fixed to the belt. Ensure filters are correctly fitted.
- ③ **Breathing tube.** Inspect the tube and connections to ensure they are free from splits and holes. Replace if damaged, deformed or leaking any air. To extend the life of the breathing tube, use a tube cover or the heavy-duty rubber breathing tube.
- ④ **Air flow check.** Fit the breathing tube to the unit and attach the airflow meter in the other end of the tube and switch on the Adflo PAPR. If the ball does not rise above the line, continue fault finding.
- ⑤ **Alarm check.** Cover the air outlet of the airflow meter with your hand until an audible warning is heard and the red indicator illuminates. Remove your hand. The alarm should now stop.

After use

- ① **Clean the equipment.** Wipe the motor body with a moist tissue or cloth. If you suspect that the inside of the breathing tube is dirty, it must be changed. DO NOT rinse, immerse in water or clean with solvents. DO NOT attempt to remove contamination of filters as this will damage the filters and void the warranty.
- ② **Replace damaged parts.** Replace all damaged parts to guarantee the proper functioning of the respirator. Worn out components should be disposed of according to local regulations.
- ③ **Spark arrestor.** Replace if deformed and no longer fitting well.
- ④ **Pre-filter.** Replace regularly to extend the life of the particle filter. This will save money and also extend the battery run-time.
- ⑤ **Particle filter.** Check the filter indicator position and replace if the red LED is lit. Otherwise, replace whenever the battery operating time becomes too short, or when "fully loaded" filter triggers low airflow alarm.
- ⑥ **Gas filter.** Replace the gas filter according to your work place requirements. Do not wait until you can sense odours or smells.
- ⑦ **Odour filter.** Replace any time you smell unpleasant odours. Odour filter is not required if gas filter is used.
- ⑧ **Storage.** Put the battery/turbo unit on charge after use. When stored, recharge every six months. Store the unit in a dry, clean area away from direct sunlight, high temperatures and solvents. For example use the Adflo storage bag.

G5-02 VIDEO



G5-01 VIDEO



9100XXi VIDEO



ADFLO PAPR PROTECTION



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National Branch Network

**OUR PROMISE
TO YOU**

Blackwoods



Australian Capital Territory

Canberra (Fyshwick)



New South Wales

Albury

Broken Hill

Coffs Harbour

Dubbo

Lismore

Newcastle

Orange

Sydney (Greystanes)

Tamworth

Tuggerah

Wagga Wagga

Wollongong



South Australia

Adelaide

Mt Gambier

Roxby Downs

Whyalla



Queensland

Brisbane

Cairns

Gladstone

Gympie

Hamilton

Mackay

Mt Isa

Rockhampton

Toowoomba

Townsville



Victoria

Ballarat (Wendouree)

Bendigo

Dandenong

Geelong

Melbourne (Scoresby)

Morwell

Portland

Shepparton



Northern Territory

Darwin



Western Australia

Albany

Broome

Bunbury

Canning Vale

Geraldton

Kalgoorlie

Karratha

Kwinana

Malaga

Newman

Onslow

Port Hedland



Tasmania

Burnie

Hobart

Launceston



Blackwoods Electrical Supplies

Mandurah