

3M™ Speedglas™ Welding Helmet Series 9100XXi

NEW

New auto-darkening welding solution

 **Speedglas™**



With
True-View

and
Set-and-Forget



The Power to Protect Your WorldSM



Watch the video series at
www.speedglas.com.au

An entire suite of improvements – putting the “i” in 9100XXi.



Introducing the new 3M™ Speedglas™ Welding Helmet Series 9100XXi. The Speedglas 9100XXi offers True-View combined with the largest viewing area on the market* that includes SideWindow peripheral vision.

Thanks to improved optics, True-View allows you to more readily recognise colours and contours. Literally see the difference when you focus on your welding set-up, welding technique, precision grinding, and inspection of just-completed welds.

A new motion-sensor instantly turns the welding lens ON and with the advanced Set-and-Forget feature you never need to touch the internal control panel again.

Experience the power of 9100XXi, capable of detecting an arc down to an industry leading 1 amp.

True-View: Clearly more Colourful!

The difference is easy to see. Yes, in light state it is still shade 3! But what you see through the lens appears lighter, more detailed and colourful. In fact, the improved welding lens optics can make your entire viewing experience feel more natural. When combined with the Speedglas peripheral SideWindows you experience a view like no other...



“The view seems lighter and less green – I can see colours far better! Even in the dark state, I see contours better.”

Veteran Welder

*The Speedglas welding lens 9100XXi when combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets currently available on the Australian & New Zealand market at the time of printing.



Introducing Set-and-Forget

Push the external button* for 2-3 seconds to load one of your two available preset welding modes. Once set, the memory mode retains its own individual setting for dark shade, light-to-dark switching sensitivity, and dark-to-light delay. Once both are set, by just pushing and holding the external button for 2-3 seconds, you can switch between your two preset modes. For example, you can switch between low-amp TIG and high-amp MIG welding settings at the press of a button.

One-Touch to Grind

Your helmet is ON, your shield is down...and with a quick push of an external button*, you are locked into shade 3, ready to grind. Another push and you're ready to weld again. You don't even have to take off a glove!

Grab-and-Go with Auto-ON

Every time you pick up the welding helmet, the 9100XXi welding lens immediately turns ON to your latest welding setting. And it automatically turns itself OFF after a period of non-movement.

*The external button is not available on the 3M™ Speedglas™ Welding Helmet 9100 FX and 3M™ Speedglas™ Welding Helmet 9100 MP. To grind on these systems you simply lift the flip-up mechanism. The memory mode is not accessible on these platforms.



3M™ Speedglas™ Welding Helmet 9100XXi FX Air

Flip-up Helmet with Respiratory Protection

All of the benefits of the Speedglas welding helmet 9100 FX can now be used in combination with the 3M™ Adflo™ powered air respirator or 3M™ Versaflo™ supplied

air regulator V-500E. Workers can have integrated face, eye and respiratory protection - whether they are grinding, welding, or simply walking through a work zone.

3M™ Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.



High comfort head harness with two crown straps for optimum balance.

Smooth flip-up function with curved 170x100 mm clear grinding visor.

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



Lens reacts down to an industry leading 1 amp.

The breathing tube is attached to the head harness instead of the helmet for improved comfort and balance.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market*

An innovative quick release attachment enables one-handed breathing tube connection and release.

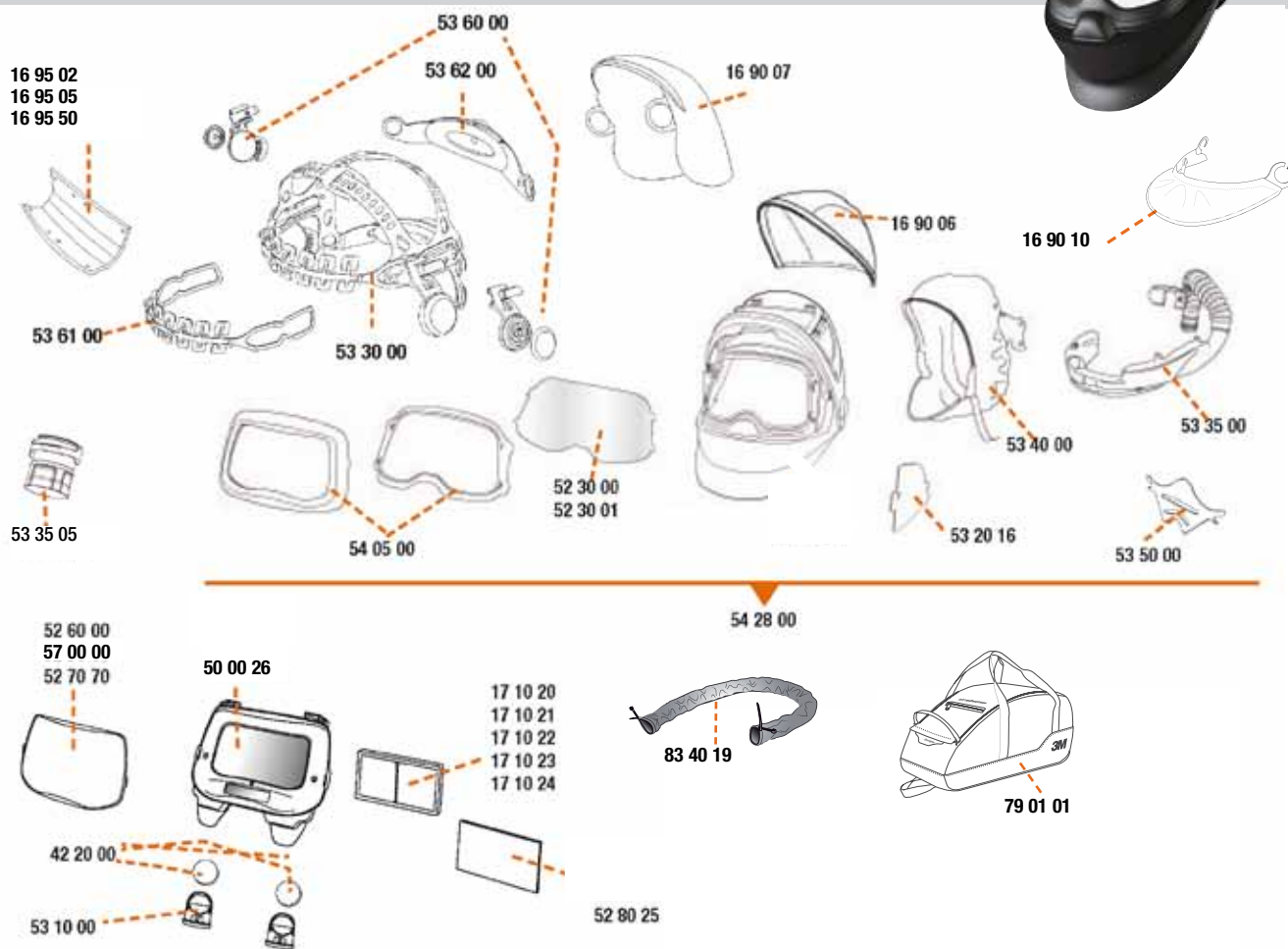


To achieve a higher level of respiratory protection, air is supplied directly to the breathing zone. A diffuser broadens and reduces the speed of the airflow for your maximum comfort.



A quick lift of the silver front and you get a clear, big, 170 x 100 mm view — perfect for precision grinding in low light conditions, while maintaining your respiratory protection.

3M™ Speedglas™ Flip-Up Welding Helmet 9100 FX Air



Part	Description
169006	HEAD COVER SMALL 9100 FX
169007	HEAD COVER LARGE 9100 FX
169010	THROAT PROTECTION 9100
169502	SWEATBAND 9100 & 9100 FX PK=2
169505	SWEATBAND 9100 & 9100 FX PK=5
169550	SWEATBAND 9100 & 9100 FX PK=50
171020	LENS MAGNIFYING 1.0X 9100 100 & 9000
171021	LENS MAGNIFYING 1.5X 9100 100 & 9000
171022	LENS MAGNIFYING 2.0X 9100 100 & 9000
171023	LENS MAGNIFYING 2.5X 9100 100 & 9000
171024	LENS MAGNIFYING 3.0X 9100 100 & 9000
422000	BATTERY LITHIUM 9100, 100 & 9000 PK=2
500026	LENS WELDING 9100XXi SPEEDGLAS
523000	VISOR PLATE 9100 FX PK=5
523001	VISOR PLATE ANTI-FOG 9100 FX PK=5
526000	LENS COVER OUTER STD 9100 PK=10
527000	COVER LENS OUTER HC 9100 PK=10
527070	LENS COVER OUTER HT 9100 PK=10
528025	LENS COVER INNER 9100XX PK=5
531000	HOLDER BATTERY 9100
532016	SIDEWINDOWS COVER PLATE 9100 FX PK=2
533000	HEAD HARNESS 9100
533500	AIR DUCT ASSEMBLY 9100 FX AIR
533505	ADAPTOR ADFLO BREATHING TUBE 9100 FX AIR
534000	FACE SEAL 9100 FX AIR
535000	AIR DEFLECTOR 9100 FX AIR
536000	HEAD HARNESS PIVOT MECHANISM 9100
536100	HEAD HARNESS FRONT PART 9100
536200	HEAD HARNESS BACK PART 9100
540500	FRONT COVER KIT 9100 FX
542800	HELMET WELDING 9100 FX AIR EXC LENS
790101	CARRY BAG SPEEDGLAS
834019	TUBE BREATHING COVER FLAME RESISTANT HELMET 9100 FX ADFLO



New Upgrades

The upgraded Adflo™ powered air respirator has been reduced in weight by over 15%. The new Adflo lithium-ion batteries (standard & heavy duty) charge from 0 to 80% of their full capacity in approximately one hour.

NEW

Now with one hour Rapid Charge (RC).

NEW

40% lighter standard and heavy duty battery.

NEW

Over 15% lighter Adflo powered air respirator system.

NEW

Self adjusting Quick Release Swivel (QRS) breathing tube for one handed connection and release.

NEW

Matt black finish on the Adflo filter cover for increased durability.

“Trusted by
Welders”

NEW

Cooler, cleaner and more comfortable welding

Built Specifically for Welders

Since its launch, 3M™ Adflo™ powered air respirator has become one of the most popular powered air respirators in the world. With its smart, compact design, the award-winning Adflo respirator is specifically designed to meet your welding needs.

Protection and Comfort

By using the Adflo respirator, you get both increased protection and comfort all day long. Continuous airflow provides filtered air that takes much of the heat and sweat out of welding.

An Adaptable System that Saves Money

With the right type of filter, the Adflo respirator effectively protects against both particles and gases. Because you can selectively replace either the particle or the gas filter as needed: you don't need to change both filters at the same time.

Full Mobility

The slim profile is perfect for use in tight spaces. Its ergonomics are based on the welder's need for lightweight, adaptable and easy-to-use respiratory protection.



Constant Flow of Clean Air

The airflow is always a constant nominal rate of 170 litres per minute, regardless of the battery's charge or the particle loading of the filter. For hot, humid jobs, you can increase the airflow to 200 litres per minute by simply pushing the ON button a second time.

Because You Only Have One Set of Lungs

The Adflo complies to 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.



Full mobility with adaptability.

Technical Data	3M™ Adflo™ PAPP
Approvals Respiratory Protection	Conforms to AS/NZS1716
Required Minimum Protection Factor (RMPF)**	50
Airflow Standard Airflow Plus	170 litres/minute 200 litres/minute
Weight Respirator	960 grams
Battery: Charging time Operating hours	Li-ion with rapid charge (0-80% in an hour*) 4.5 hours (standard), 5.5 hours (heavy duty) 8 hours (standard), 12 hours (heavy duty)
Noise level dB	Max 75 dB
Belt	Leather 75-115cm

Gas and odour filters available as an optional extra.

* 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.

** For mechanically and thermally generated particles.

3M™ Versaflo™ Supplied Air Regulator V-500E

Your Welding Environment

The Versaflo™ supplied air regulator V-500E is a lightweight, belt mounted regulator that allows you to adjust the airflow from 170 litres per minute to 305 litres per minute. The high, constant flow rate makes the V-500E regulator ideal for hot and strenuous welding conditions when used with the 3M™ Speedglas™ welding helmet 9100 Air, 3M™ Speedglas™ welding helmet 9100 FX Air and 3M™ Speedglas™ welding helmet 9100 MP Air.

Connects to Breathable Air Hoses

The belt-mounted regulator connects to an approved breathable air hose with a new quick release connection. The airline supply must be air of breathable quality meeting the performance standards of AS/NZS1716. Oil mist, water vapour or non-toxic, unpleasant odours can be removed with a breathing air filtration system.

Respirator Standards

The Versaflo regulator V-500E complies to Australian and New Zealand standard AS/NZS1716 for supplied air respirators and delivers a Required Minimum Protection Factor (RMPF) of 100+.



Innovative & Quiet

The Versaflo regulator V-500E features an integrated low flow warning whistle and a silencer that reduces the regulator’s noise level to less than 65 dBA - the equivalent of a typical conversation. The regulator unit can be positioned on the belt to accommodate right and left handed users and a swiveling bayonet connector allows the breathing tube to move freely to the most comfortable position.



Lightweight with high flow rates.

Technical Data	3M™ Versaflo™ SAR V-500E
Approvals Respiratory Protection	Conforms to AS/NZS1716
Required Minimum Protection Factor (RMPF)	100+
Airflow Nominal Pressure Range Maximum Pressure	170-305 litres/minute 3.5-8 bar 10 bar
Weight	514 grams
Noise Level dB	Max 65 dB
Feeder Hose	Conforming to AS/NZS1716
Inlet and auxiliary port	1/4 inch BSP thread
Carbon filter available to remove odours.	