

 **Speedglas™**

Powered Air Respiratory Systems

Cooler, cleaner and more comfortable welding



SAFETY • TECHNOLOGY • ERGONOMICS • DESIGN • COMFORT • INNOVATION

For welders only

The Adflo™ powered air respirator is specially designed for welders using the award-winning Speedglas™ 9000 series welding shields. Its smart, compact design is made to suit welders and their specific working conditions. All Speedglas™ shields for the Adflo™ respirator are fitted with the Speedglas™ SideWindows as standard, in order to enable good peripheral visibility – an important factor for both comfort and safety.

Full mobility

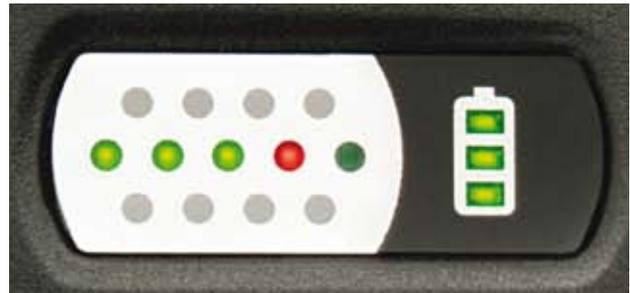
The Adflo™ turbo unit has no external batteries, no battery cables and no sharp corners to catch on things as the welder moves into position. The slim profile is perfect for use in tight spaces. Its ergonomics are based on the welder's need for lightweight, adaptable and easy-to-use respiratory protection.

An adaptable system that saves money

With the right type of filter the Adflo™ respirator effectively protects against both particles and gases – all in one system. And 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.

Green for go

As soon as you turn on your Adflo™ powered air respirator a display indicates the status of the filter. Green light means that the unit is working normally. Red light indicates that filter is clogging up. As an extra security feature an audible alarm sounds when filter is so clogged that the airflow level cannot be maintained. If this alarm is ignored the unit automatically turns off.



Constant flow of clean air

Thanks to special electronics the airflow is always a constant nominal rate of 170 litres/minute, regardless of the battery's charge or the particle loading of the filter.

For hot, humid jobs welders can increase the airflow by almost 40% by simply pushing the ON button a second time. By using the Adflo™ respirator, welders get both increased protection and comfort all day long.





▶ Speedglas™ 9000 Welding Shield

Award-winning, ergonomic welder protection with optimal mobility and ease-of-use. Also available with an optional safety helmet.

Part No

- 46 66 70** Complete system with Speedglas™ 9002V welding lens and SideWindows.
- 46 66 80** Complete system with Speedglas™ 9002X welding lens and SideWindows.
- 46 61 70** Complete system with Speedglas™ 9002V welding lens.
- 46 61 80** Complete system with Speedglas™ 9002X welding lens.



▶ Speedglas™ 9000 FlexView Welding Shield

Includes a welding lens with a clear protective visor underneath for continuous eye, face and respiratory protection. Also available with an optional safety helmet.

Part No

- 44 66 70** Complete system with Speedglas™ 9002V welding lens and SideWindows.
- 44 66 80** Complete system with Speedglas™ 9002X welding lens and SideWindows.
- 44 61 70** Complete system with Speedglas™ 9002V welding lens.
- 44 61 80** Complete system with Speedglas™ 9002X welding lens.



▶ Protective Visors

For non-welding manufacturing processes requiring eye, face and respiratory protection the Adflo™ respirator is also available as a system with a clear or shaded protective visor.

Part No

- 89 90 20** With clear visor in polycarbonate.
- 89 90 21** With clear visor in acetate (solvent resistant).
- 89 90 25** With shade 5 visor in acetate (solvent resistant).

▶ Spare Parts & Accessories

Particle filter

- 83 60 10** Pre-filter (pk=5).
- 83 70 10** Particle filter P SL.

Odour filter

- 83 71 10** Complete odour filter.
- 83 71 20** Replacement odour filter pad.

Gas filter

- 83 72 42** Gas filter A1B1E1.
- 83 75 42** Gas filter A1+.

Face seal

- 43 40 01** Face seal for welding shield.
- 80 40 05** Face seal for clear or shade 5 protective visor.

Battery

- 83 76 20** Standard NiMH
- 83 76 21** Heavy duty NiMH.

Air hose

- 83 40 00** Standard air hose 0.95m.
- 83 40 03** Air hose cover.
- 83 40 05** Rubber air hose 0.95m.
- 83 40 10** Standard air hose 1.20m
- 83 40 12** Standard air hose 1.90m.
- 83 40 13** Standard air hose 2.85m

Technical Data 3M™ Adflo™ Powered Air Respirator

Approval

Respiratory protection	AS/NZS1716
Eye & Face protection	AS/NZS1337 & AS/NZS1338.1

Nominal protection factor (NPF) **) 50

Filter

Particle filter	P (SL)
Gas filter	A1B1E1 or A1+
Odour filter	Reduces odours

Airflow

Nominal	170 l/min
Airflow Plus	200 l/min

Weight

Speedglas 9000 welding shield***)	750 g
Speedglas FlexView welding shield***)	820 g
ClearVisor (polycarbonate visor)	515 g
Adflo respirator (incl particle filter and standard battery)	1 160 g

Battery

Charging time	NiMH 4 hours
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Noise level dB (A)

max 75 dB

Belt

Leather, 75 – 150 cm

Temperature range

Use	-5°C to + 55°C
Storage	-20°C to + 55°C

**) The nominal protection factor based on laboratory-measured performance data according to European Standards.

The protection factor is assigned by local authorities in each European country and can therefore be different for different countries.

***) With Speedglas 9002V welding lens installed.

Our focus is welders

Our integrated production enables us to achieve outstanding quality control in all processes. As a result, Speedglas™ is the world's leading brand of protective equipment for welders. And just as hundreds of thousands of users rely on Speedglas™ products every day for their best welding performance, we rely on welder comments for future product designs, developments and improvements.



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3M

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