

What turns “a” welding helmet into “your helmet”?

Safety

In any direction, whether overhead, lying, or on the side, and no matter the welding method. With reliable darkening just as you prefer it.

Longevity

and robustness are required in a welder's everyday work. Having a cool helmet design that makes you look good in an added bonus.

A clear view

A perfect view of the welding result requires large field of vision, ideal colour reproduction, and reliable closure speed of the glare protection cassette.

Ergonomics

Balanced out, with perfect seat and adjustment options for fatigue-free welding, even for extended periods.

Flexibility

Simple replacement of wear parts, adaptability of the visual display to personal preferences, and expansion by many accessory pieces - from chest to neck protection.

Price-performance ratio

Because safety cannot be a privilege!



Technical data

APR 900 auto darkening filter with automatic glare protection cassette ADF APR C850



Field of vision	98 x 62 mm / 3.86" x 2.5"
Classification	1 1 1 1 (Visual category, scattered light, homogeneity, angle-dependence)
True-colour vision	Yes
Grinding mode	Yes (can be switched from the outside via a central grinding button)
UV/IR protection	Permanent protection level DIN 14
Protection level (light dark)	Protection level DIN 3 DIN 5-8 (cutting) / DIN 9-14 (welding)
Switching time (light dark)	0.2 ms at room temperature 0.1 ms at +55 °C
Sensors	4 sensors
Sensitivity control	Digital (1-9)
Delay control	Digital (0.1-0.95)
TIG-rating	>2A
Voltage supply	2 x CR 2032 (replaceable)
Battery service life	>4,000 hours (operation)
On/off	Fully automatic, standby mode after 30 minutes without light source
Operating temperature	-5 °C to +55 °C / 23 °F to 131 °F
Storage temperature	-20 °C to +70 °C / -4 °F to 158 °F
Standards and norms	CE EN379:2009 ANSI Z87.1-2020 CSA Z94.3-2020 AS/NZS1338.1-2012
Total weight of helmet	650 g
Application areas	All electrical welding methods: Electrode welding (Stick Welding, SMAW) / MIG / MAG (metal inert gas welding, GMAW) / GMAW high-performance welding / cored-wire welding / TIG welding (TIG, GTAW) / plasma welding / micro-plasma welding / plasma cutting / grinding. Suitable for overhead welding. Not suitable for laser welding!

Scope of supply 1x auto darkening filter APR 900, 1x front cover, 1x inner protection window, 1x cleaning rag, 2x batteries, 1x operation manual

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THE APR 900.**

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The professional helmet for professional welders.

THE APR 900.

A helmet that fully adjusts to you, supporting you in your work and offering you greatest safety. 100% your helmet. Your helmet not only comprises an auto-darkening cassette which meets the required standard, but also many other practical detail solutions that are united in offering the greatest level of comfort and safety.

The protection levels

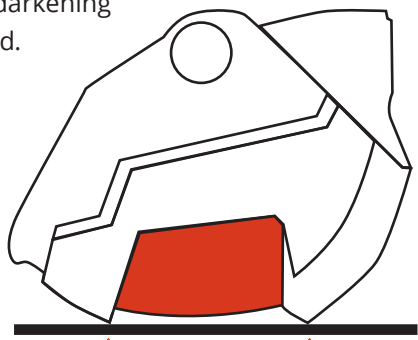
Highest safety level for auto-darkening filters: The helmet shell meets the requirements of the European standards EN 175 B.



The “four-point support”

Safe depositing, perfect handling, optimal scratch protection: Even the best auto-darkening filter will be useless if it becomes scratched. Your helmet can be placed stably on the visor side. The visor remains protected from contact and scratches.

A nice side effect: The sweat bands are protected from dust and dirt on surfaces and will dry out quickly.



The grinding button

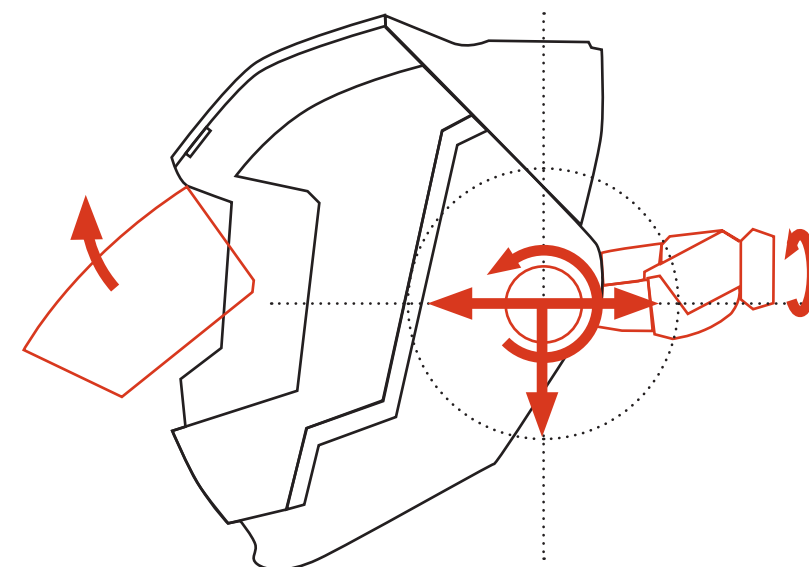
Dedicated grinding button in the middle of the helmet: Dedicated grinding button in the middle of the helmet: Centrally mounted rubberised grinding button in easy-to-reach position, also for left-handed users. This permits switching to grinding mode without the need to take off the helmet. Its recessed position protects it well from damage.

The auto-darkening cassette

Colour reproduction/view general: Auto-darkening cassette in the absolute reference area (1,1,1,1), True Colour, extra-large field of vision and very large protection level area (3, 5-9, 10-14).

Battery lifetime: 4,000 h battery lifetime with commercial CR2032 batteries (2). The batteries are placed dust-protected inside the housing.

Accessories: Special front cover, shaded yellow, for imitating the “soft” colour impression of conventional auto-darkening cassettes.



Outer front cover of robust injection moulded material with innovative quick-closure: Highest available category. Certified to EN175 B.



Operation and operating modes: Setting options for operating modes, protection level, delay, and sensitivity using clearly marked buttons with a display that can be read at any time. Welding mode (protection level 10-14), grinding mode (protection level 3), and cutting mode (protection level 5-9) are available in operation.

Perfect flexibility for perfect fit

Comprehensive setting options for any head: Head circumference settings via a ratchet fastening button at the back of the head, double strap structure for an integrated, stable seat, and longitudinal adjustment of the helmet for adjustment to the user's facial shape and preference.

Sweat bands for forehead and back of the head: Individual absorbent and padded sweat bands around the headband.

Latching positions in upper and lower positions: The helmet has a latch in the upper and lower positions that keeps it in position. The “Speed” at which the helmet closes again can be set independently of this.

“I wear the APR 900 out of conviction.”

Martin John
Application engineer

I use it every day. It is proving its enormous performance. The simple and flexible handling of this helmet stand out particularly. I can switch from welding to grinding mode very quickly even with gloves.

The APR 900 is practical, fits perfectly, and gives me a secure feeling. We only have two eyes. They need to be protected – without any compromises!

