



Vizor 3000

Auto-darkening welding helmet



PERFECT WELDING

“All clear” for perfect welds

WELDING HELMETS

Greater comfort, safer welding

We've made a good thing even better. The new generation of Fronius Vizor welding helmets boasts a slew of useful new features that make welding a lot more comfortable.

- **Larger field of view.** The new generation of helmets comes with a 33 % larger field of vision. This gives welders an excellent view of the workpiece.
- **True-colour display.** In fact the Vizor 3000 Professional gives you an even better view of everything, not just of the workpiece. Reading off the parameters from the welding machine is now even easier, for instance, and colour recognition has been improved.
- **Optimum wearer comfort.** At a mere 490 g and 460 g, the Vizor 3000 helmets have become significantly lighter.
- **Extra scratch protection.** On the new generation, the front cover lens is mounted further in, meaning that it is even better protected against damage.
- **Auto-darkening.** The helmet detects the start of welding and automatically darkens the filter, ensuring optimum visibility. The solar-powered LC display needs absolutely no maintenance. The integrated back-up batteries in the Vizor 3000 Plus and Professional models are quick and easy to change.
- **Permanent protection from UV/IR radiation.** A special filter integrated in the cartridge gives the welder's eyes 100 % shielding from harmful ultraviolet and infrared radiation at all times.
- **High-level thermal and radiation shielding.** The helmet's high-grade materials and special paintwork finish give users the very best protection against heat and reflected light.
- **Automatic idle mode.** In complete darkness, the LC display automatically cuts out after 10 minutes. This saves energy and prolongs its service life. As soon as light reappears, the display is automatically switched back on.



Angle of helmet, and distance between cartridge and eyes, are both freely adjustable. Diameter and height-adjustable headband.



AIRFILTER

Clear view, fresh air

A constant supply of fresh air, and protection from harmful emissions.

The Vizor 3000 Air Systems also protect users from particles, welding fumes and dust. A battery-powered fan draws in ambient air through a fine-particulate filter, keeping the welder reliably supplied with fresh air. The Vizor 3000 Air also has a separate airflow duct inside the helmet shell, directing a controllable flow of air right into the breathing zone. The air-flow has a cooling, refreshing effect and ensures pleasant, comfortable working.

The fresh-air supply is certified to EN 12941:1998 TH2P. This lets welders work in a clean environment even when the ambient air at the workplace has up to 20 times the maximum allowable particulate concentration.

The electronic air-flow regulation system monitors the fan so as to ensure a constant flow-rate of min. 150 l/min. As well as this, an acoustic and visual alarm warns users of low batteries and when the filter is full or missing, to ensure the very greatest safety.

The new generation “Air” models come with lighter, more powerful, replaceable lithium-ion rechargeable batteries, ensuring longer running times. Under average conditions, the standard battery has a run-time of 9 – 10 h, and the optional longlife battery one of 14 h.

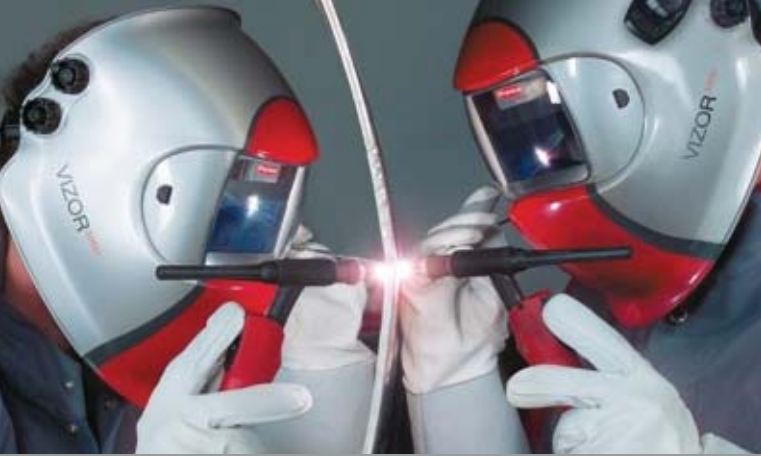
Finally, the new generation of “Air” models also have a longer protective hose with an improved fastening scheme that gives users even greater freedom of movement.



Controllable air-flow for the mouth and forehead zones.



The Vizor 3000 AirFilter fan-filter unit protects the user from particles, welding fumes and dust.



CHECKLIST

Applicational range

	Vizor 3000 Standard	Vizor 3000 Plus	Vizor 3000 Professional	Vizor 3000 Air Standard	Vizor 3000 Air Plus	Vizor 3000 Air Professional
90 – 200 A	●			●		
60 – 450 A		●			●	
1.5 – 450 A			●			●

Technical data

	Vizor 3000 Standard	Vizor 3000 Plus	Vizor 3000 Professional	Vizor 3000 Air Standard	Vizor 3000 Air Plus	Vizor 3000 Air Professional
Permanent protection from UV/IR radiation	●	●	●	●	●	●
Manual shade-level switchover (10 or 11)	●			●		
Continuous shade-level settings (9 to 13)		●			●	
Continuous shade-level settings (5 to 13)			●			●
Detection angle can be set to either 60° or 120°	●	●	●	●	●	●
Dark-to-light delay (fast / slow)		●	●	●	●	●
Sensitivity controller		●	●	●	●	●
Grinding mode (shade-level 4)		●	●	●	●	●
True-colour display			●			●
Battery-change for LC display		●	●	●	●	●
Weight: complete helmet 460 g	●					
Weight: complete helmet 490 g		●	●			
Meets CE, DIN, ANSI, CSA, AS/NZSm, GOST-R Standards	●	●	●	●	●	●

Vizor 3000 AirFilter

	Vizor 3000 Standard	Vizor 3000 Plus	Vizor 3000 Professional	Vizor 3000 Air Standard	Vizor 3000 Air Plus	Vizor 3000 Air Professional
Constant air supply min. 150 l/min		●	●			
Rechargeable Li-ion battery (standard): typical op. duration 8 h		●	●			
Rechargeable Li-ion battery (longlife): typical op. duration 14 h				○	○	○
Weight: fan-filter unit, incl. filter and hose, 1205 g		●	●			
Meets EN 12941:1998 TH2P and GOST-R Standards		●	●			

● standard feature ○ optional

BACKPACK

Helmet protection for your protection helmet

Another practical accessory: the Fronius BackPack. A convenient rucksack that every model of Fronius Vizor fits into. Handy storage pockets provide plenty of room for all the necessary utensils. The padded back makes it pleasant to wear, even at the hardest-to-get-to jobsites. Safe inside the Fronius BackPack, your helmet is optimally stored and protected when not in use.

ARTICLE NUMBERS

Vizor 3000 Professional	42,0510,0083
Vizor 3000 Plus	42,0510,0085
Vizor 3000 Standard	42,0510,0084
Vizor 3000 AIR Professional	42,0510,0086
Vizor 3000 AIR Plus	42,0510,0088
Vizor 3000 AIR Standard	42,0510,0087
Vizor BackPack	42,0510,0078



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