

Lascentrum *welding & cutting*

EXPERIENCE THE CONVENIENCE OF EVERYTHING UNDER ONE ROOF!



LASCENTRUM WELDING HELMETS

MAILING ADDRESS

P.O. BOX 6
2980 AA Ridderkerk

INTERNET

info@lascentrum.com
www.lascentrum.com

PHONE/FAX

T: +31 78 6429656
F: +31 78 6429686

PROVIEW

The ProView® is the best comprehensive welding helmet: offering autodarkening filters with large viewing areas, enabling the welder to have a 160° vision through side shade 5 polycarbonate, and providing an extralarge clear grinding visor beneath the welding flip. The ProView® is available with our 2 upper electronics: S4 and S9, with advanced technologies and strong arguments. All versions of the ProView® helmets are certified with the ProAir® respiratory unit with particles filtration.

ERGONOMY

The ProView® helmet offers perfect protection of forehead, skull, ears, and neck.

MAGNIFYING LENS

The frame retaining the autodarkening filter inside the ProView® flip can support and secure a magnifying lens on top of the filter to assist the operator with his/her vision. Magnifying lenses are available in +1.00, +1.50, +2.00 and +2.50.

SIDE VISION

With polycarbonates in safe shade DIN 5, the ProView® provides a 160° vision to the welder, for improved safety and comfort. The ProView® is also available with blank sides, with no side vision.

LIGHT WEIGHT

Despite its double vision and its full head protection, the ProView® shell only weighs 361g. In addition, the longitudinal headgear completes the perfect balance of the shell.

TECHNOLOGY

Only the best autodarkening filters are available in the ProView®, all with 1/1/1/2 optical classes. S4 with 4 sensors and grinding. S9 with fast switching speed, extended viewing area, variable shade from DIN 5 to DIN 13, and digital display.



GRINDING

The ProView® is based on a large clear visor for perfect vision during grinding. The ProView® shell and all its polycarbonate are certified for grinding with the specific norms EN 166 B and EN 175 B.

RESPIRATORY PROTECTION

All versions of ProView® can be completed with an ProAir® respiratory protection unit. Powered by a Lithium-ion battery, the ProAir® provides purified air inside the ProView®, with a filtration of Solid and Liquid Particules. An advanced alarm system informs the operator of low battery or clogged filter to replace. 2 airflows are available to the operator, depending on their application, their environment, and their habits.

HEADGEAR

The strong headgear associated with the ProView® offers 4 settings: height, width, angle, and longitudinal adjustments for welders operating with corrective glasses.

NORMS

The ProView® helmet is certified EN 175 B, with its polycarbonates being certified under EN 166 B. All autodarkening filters used in the ProView are certified according to EN 379, and the ProView® is certified with the ProAir® according to EN 12941. The ProView® helmet is also certified under ANSI standards.

S4

S9



Dark shade	DIN 9-13	DIN 5-13
Clear Shade	DIN 4	DIN 4
Switching speed	0,2ms	0,1ms
Arc Sensor	4	4
Viewing area	93 x 43 mm	100 x 50 mm
Optical classes	1/1/1/2	1/1/1/2
Technology	Twisted Nematic	Twisted Nematic
Power	Solar	Solar + Batteries
Digital display	No	Yes
Controls	Stepless knobs	Tactile
Sensitivity	Yes	Yes
Delay	Yes	Yes
Grinding	Yes - EN 175 B	Yes - EN 175 B
Applications	Electrodes, MIG/MAG, TIG	Electrodes, MIG/MAG, TIG, Pulse arc, Micro-Tig, Torch-cutting
Total weight	581g	621g
Warranty	2 years	2 years
Norms	EN 166 B, EN 175 B, EN 379	EN 166 B, EN 175 B, EN 379

PROWELD

The ProWeld® is one of the most versatile welding helmets on the market. In its standard Mat Black version, with the S2 adf and no side vision, the ProWeld® is the perfect entry-level autodarkening helmet. The second range is available in several different graphic versions, and with all adfs. Once equipped with polycarbonate shade 5 side vision and advanced adfs such as the S4 and the S9, the ProWeld® becomes a top-of-the-range option for welders. All versions of the ProWeld® helmets are certified with the ProAir® respiratory unit with particules filtration.

ERGONOMY

The ProView® ergonomics have been used on the general design of the ProWeld® so that this new shell also offers perfect protection of forehead, skull, ears, and neck.

SIDE VISION

Equipped with similar polycarbonates shade DIN 5 as in the ProView® shell, the ProWeld® also provides a 160° vision to the welder, for improved safety and confort. The ProWeld® is available with blank sides as well, with no side vision.

LIGHT WEIGHT

The ProWeld® helmet has been designed to offer a slim and light-weighted robust shell for the welder: the ProWeld® shell only weighs 238g. The longitudinal headgear is available with most ProWeld® versions, while the standard headgear is available with the entry-level version.

GRINDING

The ProWeld® shell and all its polycarbonate are certified for grinding with the specific norms EN 166 B and EN 175 B. Autodarkening filters S4 and S9 offer a Grinding Mode with clear shade DIN 4 with deactivated arc sensors.

TECHNOLOGY

All autodarkening filters are available in the ProWeld®: S2, S4 and S9. These three autodarkening filters, associated with all versions of ProWeld®, offer one of the most extended range available on the market: from occasional welding to complex industrial welding processes. S2 for basic electrode, MIG/MAG, and TIG welding. S4 with increased viewing area, 4 sensors and grinding capability. S9 with variable shade 5-13, digital display, fast switching speed, extra-large viewing area, dual power source.

GRINDING

The ProWeld® shell and all its polycarbonate are certified for grinding with the specific norms EN 166 B and EN 175 B. Autodarkening filters S4 and S9 offer a Grinding Mode with clear shade DIN 4 with deactivated arc sensors.

HEADGEAR

Most of the ProWeld® version are associated to the longitudinal headgear with 4 settings: height, width, angle, and longitudinal adjustments for welders operating with corrective glasses. Only the entrylevel ProWeld® is equipped with the standard headgear.

RESPIRATORY PROTECTION

As for the ProView®, all versions of ProWeld® can be completed with the ProAir® respiratory protection unit. Powered by a Lithium-ion battery, the ProAir® provides purified air inside the ProWeld®, with a filtration of Solid and Liquid Particules. An advanced alarm system informs the operator of low battery or clogged filter to replace. 2 airflows are available to the operator, depending on their application, their environment, and their habits.

MAGNIFYING LENS

The frame retaining the autodarkening filter inside the ProWeld® can support and secure a magnifying lens on top of the filter to assist the operator with his/her vision. Magnifying lenses are available in +1.00, +1.50, +2.00 and +2.50.

NORMS

The ProWeld® helmet is certified EN 175 B, with its polycarbonates being certified under EN 166 B. All autodarkening filters used in the ProWeld® are certified according to EN 379, and the ProWeld® is certified with the ProAir® according to EN 12941. The ProWeld® helmet is also certified under ANSI standards.



	S2	S4	S9
Dark shade	DIN 9-13	DIN 9-13	DIN 5-13
Clear Shade	DIN 4	DIN 4	DIN 4
Switching speed	0,3ms	0,2ms	0,1ms
Arc Sensor	2	4	4
Viewing area	90 x 35 mm	93 x 43 mm	100 x 50 mm
Optical classes	1/1/1/2	1/1/1/2	1/1/1/2
Technology	Twisted Nematic	Twisted Nematic	Twisted Nematic
Power	Solar	Solar	Solar + Batteries
Digital display	No	No	Yes
Controls	Stepless knobs	Stepless knobs	Tactile
Sensitivity	Yes	Yes	Yes
Delay	Yes	Yes	Yes
Grinding	No	Yes - EN 175 B	Yes - EN 175 B
Applications	Electrodes, MIG/MAG, TIG	Electrodes, MIG/MAG, TIG, grinding	Electrodes, MIG/MAG, TIG Pulse arc, Micro-Tig, grinding, Torch-cutting
Total weight	460g	581g	621g
Warranty	2 years	2 years	2 years
Norms	EN 166 B, EN 175 B, EN 379	EN 166 B, EN 175 B, EN 379	EN 166 B, EN 175 B, EN 379

PROAIR

ProAir® is a Powered Air Purifying Respiratory (PAPR) unit enabling the operator to weld/grind/cut while breathing purified air through a particulate filter. This unit offers two air flows to select from, with a simple pressure on the unique control knob. The welder is informed by 2 separate sound alarms for clogged-filter status and low-battery. Operated on a replaceable and rechargeable Lithium-ion battery, ProAir® is a completely autonomous unit filtering Particles Solid and Liquid (PSL).

FILTRATION

The ProAir® provides a filtration of Solid and Liquid Particules (PSL). The bolted face seal to the ProWeld® and ProView® shells ensure a restricted TH2 inward leakage of contaminants inside the hood. The filter used on the ProAir® is classified as «Reusable» (PRSL) and should not be changed at every shift. The filter alarm will inform the operator when to replace it.

AUTONOMY

With the standard fully charge battery, the ProAir® is able to run over 10 hours with a new filter on. Over 14 hours with its heavyduty battery.

LIGHT WEIGHT

The weight of PAPR is critical considering the numbers of hours worn per day. Therefore, the weight was restricted to a minimum. The exact weight of the complete ProAir® blower unit, the standard battery, the PSL filter with its prefilter, and the large padded belt is down to an uncomparable 1,18Kg.

BATTERY ALARM

In addition to the clogged-filter alarm, the blower unit is equipped with a separate sound and visual alarm to inform the operator of the low-battery status of the ProAir®.

BATTERY

ProAir® is delivered with a 4-cell Lithium-ion rechargeable battery. A 6-cell heavy-duty lithium-ion battery is also available as an accessor

CHARGER

As standard, a Euro charger for Lithium-ion battery is associated to the ProAir®. As an option, an International charger is available with all plugg-ins necessary.

AIR FLOWS

The ProAir® offers 2 air flows, based on the welding application, the environment, and the operator's habits. 180l/m is the initial minimum speed. With a simple 2-second pressure on the single control knob, the ProAir® increases the airflow to 220 l/m.

PRE-FILTER

The blower unit is equipped with a pre-filter, preventing larger particules to prematurely clog the PSL filter. The proper maintenance and replacement of the pre-filter greatly extends the life of the main filter.

FILTER ALARM

ProAir® is equipped with a sound and visual alarm when the PSL filter is clogged, meaning that the blower unit can no longer guarantee the minimum airflow of purified air. Prefilter and/or filter needs to be replaced.

CHARGER

As standard, a Euro charger for Lithium-ion battery is associated to the ProAir®. As an option, an International charger is available with all plugg-ins necessary.

FACE SEAL

ProWeld® and ProView® helmets have the same face seal to simplify spare parts. This unique face seal is tightly fastened to the shell with plastic nuts and bolts in order to minimize the inward leakage. The face seal is manufactured with flame retardant cotton.

BELT

The ProAir® is supported by a large doublepadded confort belt, manufactured with flame retardant material. The ergonomic support and the perfect balance greatly improve confort for the operator. Locking the belt is quick and secure, and the adjustment is easily done, even with welder's gloves on.



Filtration	PRSL
Leakage	TH2
Airflows	180l/m - 220l/m
Clogged filter alarm	Yes - Sound/Visual
Low battery alarm	Yes - Sound/Visual
Pre-filter	Yes
Autonomy	Up to 10 hours
Battery	Lithium - ion
Hose protection	Yes
Norm	EN 12941
Weight / Poids (unit + battery + belt + filter)	1180g
Warranty	1 year

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