

Welding Helmets

Navitek® Lift Front Welding Helmets

Weltek®

Navitek®, the most comprehensive
Welding helmet



Navitek® S9 with Airkos PAPR System Shown



Navitek® Lift Front Welding Shown

The Navitek® Airkos® is the most comprehensive welding helmet : offering autodarkening filters with large viewing areas, enabling the welder to have a 160° vision through side polycarbonate, providing an extralarge clear grinding visor beneath the welding Flip Front, while ensuring full respiratory protection.

The Navitek® Airkos® provides of the largest clear vision available on the market.

This clear polycarbonate with excellent optical quality ensures a perfect and wide vision to the operator enabling him/her :

- To work between welding processes with the Flip Front up but the clear visor down, therefore keep active the respiratory protection from the Airkos®.
- To grind with full protection from the B-rated clear polycarbonate.

Combining a grinding visor to a welding flip required more attention for extended ergonomics : the combined visor/Flip ensures full protection to the operator, while keeping a limited volume and weight.

In addition, the longitudinal headgear completes the perfect balance of the Navitek® shell.

Navitek® Airkos® PAPR Welding systems are available in 3 versions :

Navitek® PAPR Welding System with M11 Lens	CR 58M11
Navitek® PAPR Welding System with S4 Lens	CR 58S4
Navitek® PAPR Welding System with S9 Lens	CR 58S9

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

Navitek® Welding systems are also available in 3 versions :

Navitek® non PAPR Welding System with M11 Lens	GT 58M11
Navitek® non PAPR Welding System with S4 Lens	GT 58S4
Navitek® non PAPR Welding System with S9 Lens	GT 58S9



- ✓ Combined helmet
- ✓ Large clear Visor
- ✓ 160° Side Vision
- ✓ Particules Filtration
- ✓ Dual Airflow
- ✓ Battery Alarm
- ✓ Filter Alarm



The Navitek® Airkos® with the S9 lens offers the best of ADF technology, with a large viewing area. This top of the range ADF offers the possibility to adjust the welding shade from DIN 5 to DIN 13, the level of sensitivity of the 4 arc sensors and the delay to return to the clear shade. On top of that, these 3 settings are displayed on the digital panel. All the settings are done through soft-touch knobs, easily accessible even with welding gloves on.

The Navitek® Airkos® with the S4 lens is an alternative offer in ADF technology. The S4 also offers a smaller viewing area, 4 arc sensors and the possibility to adjust sensitivity, delay, and dark shade, but only from shade DIN 9 to DIN 13.

The last combination available is equipped with a mineral glass instead of an ADF. With a passive shade DIN 11, the Navitek® M11 provides a large 110x90mm viewing area and an entry-level version of the Navitek® Airkos®.

In all possible combinations, the Navitek® Flip Front is equipped with resistant side polycarbonate in shade DIN 5. These shade DIN 5 side polycarbonates create a 160° vision of the environment and bring a dual benefit to the operator :

1. Total control of close environment and improved safety
2. Less claustrophobia and less fatigue

M11



S4



S9



	M11	S4	S9
Dark shade	DIN 11	DIN 9–13	DIN 5–13
Clear Shade	—	DIN 4	DIN 4
Switching speed	—	0,2ms	0,1ms
Arc Sensor	—	4	4
Viewing area	110 x 90 mm	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	No	Yes - EN 175 B	Yes - EN 175 B
Applications	Stick, MIG/MAG, TIG	Stick, MIG/MAG, TIG	Stick, MIG/MAG, TIG, Pulse arc, Micro-Tig, Grinding, Torch-cutting
Warranty	—	2 years	2 years
Standards	EN166B, EN169, EN175B	EN166B, EN175B, EN379	EN166B, EN175B, EN379

All Navitek Welding helmets are available with Auto-Darkening Lens S4 or S9 or M11 Passive Lens.



Airkos®, the powerfull Powered Air Purifying Respiratory (PAPR)

The Navitek® is completed with the Airkos® for a full respiratory protection.

Airkos® is a Powered Air Purifying Respiratory (PAPR) unit enabling the operator to weld and grind while breathing purified air through a particulate filter. The operator is informed by 2 separate sound alarms for clogged-filter status and low-battery. Operated on a replaceable and rechargeable Lithium-ion battery, Airkos® is a completely autonomous unit.

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

The Airkos® 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 pressure on the single control knob, the Airkos® increases the airflow to 220 l/m.

The Airkos® is locked on a large and padded belt for excellent confort and balance. An optional harness is available, completing the existing belt and switching the weight towards the shoulders.

All Navitek® Airkos® combination are delivered with a storage bag.



- 1 160° Vision
- 2 Dual Airflow
- 3 Filter alarm
- 4 Battery Alarm
- 5 Optional HD 16 Hour battery
- 6 Pre-filter
- 7 Filter
- 8 Optional Carbon pre - Filter

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	10h
Battery	Lithium-ion
Hose protection	Yes
Weight	1180g
Warranty	1 year
Standards	EN 12941

Grinding & Cutting Helmets

Navitek® Visors

Weltek



Navitek® Clear Visor Shown

Navitek® Clear Visor with Airkos® PAPR System Shown

Navitek® Clear Visor

The Navitek® Clear Visor is based on the standard large clear visor for perfect vision during grinding. The Navitek shell and all its polycarbonates are certified for grinding with the specific standards EN166B and EN 175B.

Navitek® Grinding Clear Visor are available in 2 versions :

Navitek® Grinding Clear Visor without Black Airkos® PAPR System	GT 7700
Navitek® Grinding Clear Visor with Black Airkos® PAPR System	CRBK 7700

Navitek® Clear Visor, the largest Grinding visor



Navitek® Visor DIN5 with Airkos® PAPR System Shown

Navitek® Visor DIN5

The cutting version of the Airkos Black combines the clear visor fit for grinding applications, to a larger shade DIN5 visor fit for any torch-cutting and plasma-cutting applications, as well as brasing. The resulting shade DIN5 vision is the one of the largest on the market.

Navitek® Visor DIN 5 Cutting & Grinding are available in 2 versions :

Navitek® Visor DIN 5 Cutting & Grinding without Black Airkos® PAPR System	GT 7705
Navitek® Visor DIN 5 Cutting & Grinding with Black Airkos® PAPR System	CRBK 7705

Navitek® Visor DIN5, the best Grinding and Cutting combination

Navitek® Visor DIN5 Shown



Airkos® Black : efficient respiratory protection for occasional Cutting and Grinding helmet



Airkos® Black is a simplified Powered Air Purifying Respiratory (PAPR) unit enabling the operator to weld, grind or cut while breathing purified air through a particulate filter, with a 4-hour operating time. The Airkos® Black provides the same filtration of Solid and Liquid Particles (PSL) as the Airkos®.

This basic unit is equipped with an electronic regulation offering a steady airflow. With a simple pressure on the single control knob, the Airkos® Black offers a regulated airflow of 180 l/m in the headtop. The unit will electronically adjust the airflow depending on the filter status in order to always ensure 180 l/m.

Airkos® Black is also equipped with sound and visual alarms for clogged-filter and low-battery.



Filtration	PRSL
Leakage	TH2
Airflows	180l/m
Clogged filter alarm	Yes - Sound/visual
Low battery alarm	Yes - Sound/visual
Battery	Lithium - ion
Autonomy	4h
Weight (unit + battery + belt + filter)	1090g
Warranty	1 year
Standards	EN 12941



Airkos®

Airkos® Black



1 CR 7050	CR 7050
2 CR 7060	CR 7060
3 CR 7070	CR 7070
4 CR 7004	CR 7004
5 CR 7003	CR 7003
6 CR 7020	CR 7024
7 CR 7084	CR 7084
8 CR 7086	CR 7086
9 CR 7083	CR 7083
10 CR 7010	CR 7010
11 CR 7012	CR 7012
12 AX 1101	AX 1101
13 CR 7025	CR 7025
14 CR 7034	CR 7034
15 AX 1140	AX 1140
16 CR 7022	CR 7022
17 CR 7023	CR 7023
18 CR 7002	CR 7002

Navitek®

Navitek®
Clear Visor

Navitek®
Visor DIN 5



Navitek®



1 AX 4000
2 AX 3415
3 CR 7025
4 AX 1140
5 AX 1101
6 AX 3425
7 AX 1105
8 AX 3339
9 AX 3069
10 AX 3060
11 AX 3061
12 AX 2510
13 AX 2515
14 AX 2520
15 AX 2525
16 AX 3435
17 AX 3438
18 AX 3437
19 AX 3436



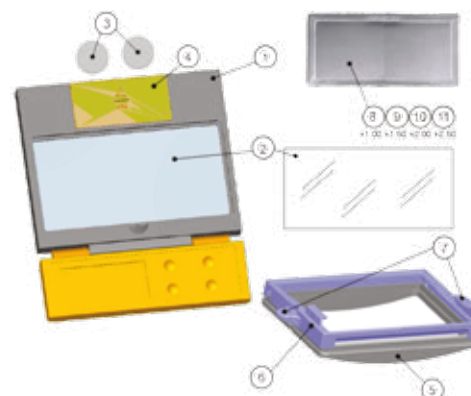
S4



1 FI 00S4
2 AX 2250
3 AX 3069
4 AX 3060
5 AX 3061
6 AX 2510
7 AX 2515
8 AX 2520
9 AX 2525



S9



1 FI 00S9
2 AX 2260
3 AX 2710
4 AX 2711
5 AX 3069
6 AX 3060
7 AX 3061
8 AX 2510
9 AX 2515
10 AX 2520
11 AX 2525