



WELDING HELMETS

Index



01 p.5 DC-1 Welding Helmet

02 p.9 DC-2 Welding Helmet

03 p.13 DC-3 Welding Helmet

04 p.17 DC-4 Welding Helmet

05 p.19 Headgear with MRD

06 p.20 Auto Darkening Filters

07 p.22 Polycarbonate cover plates

DC-1

LESS WEIGHT, MORE COVERAGE

With only 330 g of weight (ADF not included), the DC-1 welding helmet is the perfect tool for the most demanding welders.

Compact yet with great face, ears and neck coverage, it offers the maximum protection against sparks, metal splashes and light radiation produced while welding.

The DC-1 welding helmet is available with a wide range of Auto Darkening Filters (ADF) or passive mineral welding glass. DC-1 can also be ordered in several colours to match the personality of each welder.

01





Certified against particle impact according to EN175 in class S.

Maximum head and face coverage for greater safety.

Compatible with most 90 x 110 mm ADF of the market.

The curved front polycarbonate protective plate for a clear, reflexions and distortion free vision can easily be changed without having to remove the ADF.

Enough space in the breathing area to use a mask or a half-mask without fogging the ADF.



Well balanced, weight is evenly distributed near the user's center of gravity.

Made out composite fibers to withstand sparks and projections of molten metals.



The front protective cover plate is located further back to prevent accidental scratches and allow for a larger viewing area.



Available with several metallic paints for better heat reflection: red, green, bronze and blue.



Headgear with Mass Distribution Device (MDD) supplied as standard.

COMPLETE YOUR WELDING MASK



Available with Auto Darkening Filters* or mineral welding glass

COMPATIBLE AUTO DARKENING FILTERS

SL513G PLUS	MULTI XI (ADF7181 PRO)	MULTI XE (ADF718G PRO)	EL PASO F11 (ADF200F)	EL PASO V913I (ADF600I)	EL PASO V913E (ADF 600G)	EL PASO V913E PLUS (ADF610G PRO)	LC500 (ADF-500G PRO)

*Auto Darkening Filters: see full details page 20



AVAILABLE DC-1 COMBINATIONS

DC-1 FLIP:

Mounted with a 51 x 108 mm mineral welding glass within a flip-up front, this combination allows welders to easily switch from welding to grinding and vice versa.



DC-1 + SAFETY CONSTRUCTION HELMET:

The perfect combination for work welding where helmet use is mandatory. Recommended for sectors such as construction, mining, shipyards, petrochemicals, etc.



DC-1 FLIP + SAFETY CONSTRUCTION HELMET:

The combination of the DC-1 with the flip-up front and the safety helmet all in one.



The **DC-1 welding helmet,x** is synonymous with comfort. Light, flexible with a full face protection and easy adjustments, it also incorporates a headgear with a Mass Distribution Device (MDD)* that not only improves the mask adjustment, but also notably increases comfort of use during long periods. It is recommended for TIG work or low amperage welding in general, for professional and occasional welders.

ALL THE OPTIONS AVAILABLE FOR YOU TO DECIDE!

*Headgear with Mass Distribution Device (MDD), see page 19

DC-2

STRONG BUT LIGHT

The DC-2 welding helmet is designed for use in adverse conditions with high welding amperage, high temperatures or risk of impacts in grinding work. Its major feature is based on a patented sandwich type of fixation of the outer protective lense.

The outer frame compresses the lense with the mask, giving greater sealing against the entry of fumes and projections. This ensures a clear view and prevents the electronic filter from being damaged. The larger volume of space between the filter cover and the filter also provides better thermal insulation to both the electronic filter and the welder's face.

The DC-2 welding helmet is available with a wide variety of Auto Darkening Filters and standard mineral welding glass. In addition, it is available in different colors so that it adapts to the personality of each user.

02





Certified against particle impact according to EN175 in class B, high speed and medium energy.
Suitable for all types of arc-welding and grinding.



COMPLETE YOUR WELDING MASK

Available with Auto Darkening Filters* or mineral welding glass 90x 110 mm

COMPATIBLE AUTO DARKENING FILTERS

SL513G PLUS	MULTI XI (ADF718I PRO)	MULTI XE (ADF718G PRO)	MULTI XLE PLUS (ADF858E PLUS)	EL PASO F11 (ADF200F)	EL PASO V913I (ADF600I)	EL PASO V913E (ADF 600G)	EL PASO V913E PLUS (ADF610G PRO)	LC500 (ADF-500G PRO)

*Auto Darkening Filtres: see full details page 20



AVAILABLE DC-2 COMBINATIONS

DC-2 FLIP:
Designed for uses in adverse conditions with high welding amperages, high temperatures or risks of impacts during grinding works. Thanks to the flip-up window of the DC-2 Flip welding helmet, the user will be able to switch welding with grinding in complete comfort.



DC-2 + CONSTRUCTION HELMET:
Set formed by the welding helmet DC-2 with an Auto Darkening Filter or standard welding glass together with a construction helmet. The helmet adapters inserted into the standard side-slots can easily be taken out to allow the operator to carry the helmet without the welding helmet while performing other tasks than welding. The adapters allow lifting and lowering the welding helmet according to the needs and offers a lock position in its raised poition.



DC-2 + DACAiR*:
The new DACAiR Powered Air Purifying Respirator (PAPR) are the most effective and versatile option to protect yourself from harmful particles in the form of dust, fumes or mists produced during welding and related techniques.



TOUTES LES VARIANTES ET OPTIONS POSSIBLES POUR MIEUX CHOISIR!

*Consultez nous et découvrez notre gamme ventilée DACAiR

DC-3

THE 2 IN 1 WELDING HELMET YOU ARE LOOKING FOR

Equipped with a flip-up welding front to alternate grinding and welding tasks, the DC-3 Multifunction welding helmet, in addition to offering you great versatility of uses, will offer you maximum protection without sacrificing comfort.

03





The 278 x 116 mm polycarbonate visor offers total protection against potential projections and sparks from grinding operations while offering a panoramic vision without distortions.



The mechanical assistance of raising the welding window allows it to stay in its up position without having to hold it.

Soft closing function of the welding window to avoid annoying blows (minimization of noise and vibration)

Contained weight of only 570 gr (optical filter not included)

Suitable for MIG, MAG, TIG, electrode, pulsed arc, plasma cutting, micro-plasma, gas welding and grinding.



The DC-3 welding helmet is available with a wide range of auto darkening filters and passive filters.



Certified against particle impact according to EN175 in class B, high speed and medium energy. Suitable for all types of arc-welding and grinding.

The mechanical assistance of raising and lowering the welding window with shock absorber for one-hand operation make the DC-3 welding helmet a unique helmet in its class.



COMPLETE YOUR WELDING MASK



Available with Auto Darkening Filters* or mineral welding glass 90 x 110 mm

COMPATIBLE AUTO DARKENING FILTERS

EL PASO F11 (ADF200F)	EL PASO V913I (ADF600I)	MULTIXI (ADF718I PRO)	MULTIXE (ADF718G PRO)	SL513G PLUS

*Auto Darkening Filters: see full details page 20

DC-4

The DC-4 welding helmet provides an unbeatable viewing angle for professional welders who need to make weld seams in uncomfortable positions, in confined spaces or at height. The 133 x 114 mm window allows the use of wide-angle auto darkening filters that offer an unmatched field of vision for increased visibility and safety.

With a weight of less than 500 gr (filter included) and its heagear with MDD, comfort of use is guaranteed throughout the entire working day. Also its wrap-around design ensures excellent protection of the entire face.

04



Headgear with Mass Distribution Device (MDD)



Compatible with
133 x 114 mm
ADFs



Available 2 models of Auto
Darkening Filters: Grand
V969D Plus+ or Grand
V958i Plus



Grand V969D Plus+



Grand V958i PLUS



Ergonomic wrap-around design for a perfect face, ears and neck protection.

The DC-4 welding helmet is Dacar's latest creation. It is the fruit of more than 30 years of experience in that field. It gathers all the qualities that a professional welder can look for. For example, the very large field of vision, its maximum coverage of the face or that the outer filter-cover is attached and protected by an external frame that allows it to be changed from the outside without the need of removing the ADF. This feature also grant for a maximum tightness against the penetration of smoke and projections.

In addition, the use of composite materials allows the DC-4 mask to have a reduced weight. Added the headgear with M.D.D., the DC-4 mask is synonymous with comfort and benefits.

05

HEADGEAR WITH MDD MASS DISTRIBUTION DEVICE

M.D.D. Created in 2015 by Dacar, the Mass Distribution Device allows the weight of the mask to be spread out over the head, minimizing the tension on the operator's neck and significantly increasing the user's comfort during the working day

The headgear has a padded anti-allergic sweatband on the front that evenly distributes the pressure on the forehead.



The M.D.D. shifts the weight of the head unit towards the operator's center of gravity, which produces a feeling of less weight and considerably reduces stress on the neck.

Avec système de rotation avancé avec autoblocage en position serrée qui est libéré lorsque vous tournez la roue pour relâcher la pression.

Thanks to the stability provided by the M.D.D., it is not necessary to exert excessive pressure on the head with the headgear to keep the head unit stable.



Available as standard with all
DACAR welding helmets

06

AUTO DARKENING FILTERS

					
Model	El Paso F11	El Paso V913I	El Paso V913E	El Paso V913E Plus	Multi-XI
Dimensions (mm)	90x110x9	90x110x10	90x110x10	90x110x10	90x110x10
Viewing area (mm)	91 x 39	100 x 41	100 x 41	100 x 45	100 x 53
LCD type - colour	True color grey Clear shade 2,5	True color grey Clear shade 2,5	True color grey Clear shade 2,5	True color grey Clear shade 2,5	True color grey Clear shade 2,5
Optical class EN379	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2
Arc sensors	2	2	2	2	4
Dark shade regulation	Fixed shade 11	9-13 continuously with internal regulation	9-13 continuously with external regulation	9-13 continuously with external regulation	5-8/9-13 with internal selector and regulation
Automatic Dark Shade selection mode	-	-	-	-	-
Memory function	-	-	-	-	-
Grinding mode	-	-	Integrated in external regulation	Integrated in external regulation	With internal selector
Sensitivity	2 positions: High - Low	Adjustable with internal regulation	Adjustable with internal regulation	Adjustable with internal regulation	Adjustable with internal regulation
Reaction time (ms)	0,3	0,1	0,1	0,1	0,04
Dark to clear time	2 positions: Fast - Slow	From 0,1 to 1 seg. With internal regulation	From 0,1 to 1 seg. With internal regulation	From 0,1 to 1 seg. With internal regulation	From 0,1 to 1 seg. With internal regulation
Gradient function	-	-	-	-	-
Energy supply	Solar + lithium battery	Solar + lithium battery	Solar + lithium battery	Solar + Replaceable CR2032 lithium battery	Solar + Replaceable CR2032 lithium battery

Warranty 2 years warranty from date of purchase. The guarantee covers manufacturing and operating defects, as long as the filter does not show signs of violence or welding projections. See general warranty conditions.

				
Multi-XE	Multi-XLE PLUS	SL 513G PLUS	Grand V958I PLUS	Grand V969D PLUS +
90x110x10	90x110x10	90x110x8	133x114x10	133x114x10
100 x 53	100 x 60	98 x 62	98 x 87	98 x 87
True color grey Clear shade 2,5	True color grey Clear shade 2,5	True color yellowish Clear shade 3	True color grey Clear shade 2,5	True color yellowish Clear shade 3 with extra blue light filter
1/1/1/2	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1
4	4	4	4	5
5-8/9-13 with internal selector and external regulation	5-8/9-13 with external selector and regulation	5-8/9-14 with digital internal regulation	5-8/9-13 with internal selector and regulation	5-8/9-14 with digital internal regulation
-	-	-	-	Yes, with +/- 2 shades self adjustment
-	-	-	-	Yes, up to 10 memory options
Integrated in external regulation	With external selector	With external easy press button	With internal selector	With external easy press button
Adjustable with internal regulation	Adjustable with external regulation	8 positions with digital internal regulation	Adjustable with internal regulation	8 positions with digital internal regulation and auto mode
0,04	0,04	0,04	0,04	0,04
From 0,1 to 1 seg. With internal regulation	From 0,1 to 1 seg. With external regulation	From 0,1 to 1 seg. with digital internal selector	From 0,1 to 1 seg. With internal regulation	From 0.04 (special welding point (TAK)) up to 2 s manually adjustable and automatic adjustment function automatic
-	-	-	-	Yes
Solar + Replaceable CR2032 lithium battery	Solar + Replaceable CR2450 lithium battery	Solar + Replaceable CR2450 lithium battery	Solar + Replaceable CR2450 lithium battery	Solar + Replaceable CR2450 lithium battery

Warranty 2 years warranty from date of purchase. The guarantee covers manufacturing and operating defects, as long as the filter does not show signs of violence or welding projections. See general warranty conditions.

07

POLYCARBONATE PROTECTIVE LENSES



**DC-2 &
DC-2 FLIP**



MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
DC2330_	4720	128X107	4708	110X90		
DC2ELPF11	4720	128X107	4701N	102X42		
DC2ELPV913I	4720	128X107	4701	107X51		
DC2ELPV913E	4720	128X107	4701ELP	105X47		
DC2ELPV913EP	4720	128X107	4701ELPP	100X48		
DC2MULTIXI	4720	128X107	4701MX	105X58		
DC2MULTIXE	4720	128X107	4701MX	105X58		
DC2MULTIXLEP	4720	128X107	4701MXL	63X100		
DC2SL513G	4720	128X107	4701SLG	64,5X100		
DC2330FLIP	4708	110X90	4708	110X90	4720	128X107
DC2ELPF11FLIP	4708	110X90	4701N	102X42	4720	128X107
DC2ELPV913IFLIP	4708	110X90	4701	107X51	4720	128X107
DC2MULTIXIFLIP	4708	110X90	4701MX	105X58	4720	128X107



**NOVA &
GRAND**



MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
OPERA 500G	4740K	104X115	4701N	102X42		
NOVA F11	4740K	104X115	4701N	102X42		
NOVA V913E	4740K	104X115	4701N	102X42		
NOVA CP	4740K	104X115	4701N	102X42		
NOVA CFM	4740K	104X115	4701N	102X42		
GRAND V958IP	4770	118X137	4701G	105X92		



DC-3

MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
DC3ELPF11	4720	128X107	4701N	102X42	6020PC	278X116
DC3ELPV913I	4720	128X107	4701	107X51	6020PC	278X116
DC3MULTIXE / XI	4720	128X107	4701MX	105X58	6020PC	278X116



**DC-1 &
DC-1 FLIP**



MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
DC1330_	4700	97X110	4708	110X90		
DC1ELPF11	4700	97X110	4701N	102X42		
DC1ELPV913I	4700	97X110	4701	107X51		
DC1ELPV913E	4700	97X110	4701ELP	105X47		
DC1ELPV913EP	4700	97X110	4701ELPP	100X48		
DC1MULTIXI	4700	97X110	4701MX	105X58		
DC1MULTIXE	4700	97X110	4701MX	105X58		
DC1SL513G	4700	97X110	4701SLG	64,5X100		
DC1330FLIP	4701	107X51			4701A	112X52



DC-4

MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
DC4V969DPB	4810	122X148	4701G	105X92		
DC4V958IP	4810	122X148	4701G	105X92		



WH-02

MODEL	FRONT PROTECTION		INSIDE PROTECTION		GRINDING LENSES	
	ITEM	DIMENSIONS	ITEM	DIMENSIONS	ITEM	DIMENSIONS
WH02 DACAIR	4730	113X132	4701G	105X92		



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