

CleanAIR® Omnira COMBI air

Flip-up welding helmet



Description

Autodarkening welding helmet with an advanced built-in air distribution system and flip-up welding shield. Provides protection of the user's eyes and face from harmful radiation including visible light, ultra-violet(UV), infra-red (IR) radiation, hot sparks and spatters resulting from arc welding and cutting. At the same time it provides protection against high speed particles. It is adapted for use with powered air purifying respirators CleanAIR® or with continuous flow compressed air breathing apparatuses CleanAIR®.

Application

Professional flip-up welding helmet suitable for most of welding processes such as MIG/MAG, SMAW, TIG, Plasma Arc welding and cutting, Carbon Arc gouging, gas welding and cutting. Thanks to the large clear visor it is very convenient for grinding.

TECHNICAL DATASHEET

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Technical specification (Omnira COMBI air)

Product code	703201
Weight	1017 g
Hose connection	QuickLOCK™
Material	Welding shield - PA ADF - PA, PC, Glass Protection plate - PC Headgear - PP, PA
ADF model	AerTEC S60F
ADF dimension	110 x 90 x 7 mm
Viewing area	98 x 62 mm
Weight (ADF)	108 g
Shade range	dark state, variable 5-8 / 9-14 light state 3
UV/IR protection	shade 14 (permanent)
Switching time	0,00015 s (0,15 ms) - light to dark 0,1 - 0,9 s (adjustable) - dark to light
Functions	dark state - welding shade 5-8/9-14 light state - grinding shade 3 sensitivity opening time delay external control of welding / grinding mode
Optical classes	1 – optical quality 1 – light scattering 1 – homogeneity 1 – angular dependence
True colour view	yes
Sensors	4
Power supply	solar cells, 1x CR2450
Power control	Automatic - auto-ON, auto-OFF (after 30 min if not in use)
Operating conditions	- 5 °C to +55 °C, relative humidity 20 - 95 % Rh
Storage conditions	-10 °C to +55 °C, relative humidity 20 - 95 % Rh
Certification / NPF* - respiratory protection	powered air purifying respirators - EN12941, TH3 / NPF 500 airline systems (supplied air) - EN14594 (3B) / NPF 200
Certification - eye and face protection	Protective visor TR1 - EN166 1 FT B K N Frame - EN166 3 4 5 FT B 5/2-5

* NPF = The nominal protection factor represents the level of protection provided by a respirator under standard laboratory test conditions

Disclaimer Notice

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications.

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<i>Compatible accessories and spare parts</i>	<i>Product code</i>
Spare protective visor TR1, clear	729000
Spare protective visor TR1, yellow	729001
Spare protective visor TR1, clear, aPA, chemically resistant	729090
Spare protective visor CR1, clear CP	729100
Spare protective visor TR1, shade 3	729003
Spare protective visor TR1, shade 5	729005
Spare flip-up welding shield CleanAIR® Omnira COMBI, compatible with passive filter	703293
Spare flip-up welding shield CleanAIR® Omnira COMBI, compatible with ADF S60F	703292
Face seal CleanAIR® VERUS air, Omnira air	703060
Protective head cover, flame retardant (Verus, Omnira)	703071
Protective neck cover, flame retardant (Verus, Omnira)	703072
Protective head & neck cover, flame retardant (Verus, Omnira)	703073
VariGEAR Standard w/o padding, w/o sweatband	720009
VariGEAR Comfort, headgear incl. sweatband	720010
VariGEAR sweatband (pck of 2)	720015
VariGEAR comfort set (set of sweatband and paddings)	720017
Rear padding VariGEAR	720014
Upper padding VariGEAR	720016
Auto-darkening welding filter Aer-TEC S60F, 3/5-8/9-14, for FlipUp	405161
Battery 3V for AerTEC S60 ADF	135160
Protection plate outer (VERUS, Omnira COMBI, CA-40), pck of 10	704080
Protection plate inner (VERUS, Omnira COMBI, Summit), pck of 10	*100/65
Protection film for visor CR1 (Uni-Mask, Omnira), pack of 10 pcs	720320/10
CleanAIR VariCap, including headgear with paddings	720030
CleanAIR VariCap, w/o headgear	720031

<i>Compatible powered air purifying respirators / airline systems</i>	<i>Standard / Class</i>
CleanAIR® AerGO®	EN 12941 TH3
CleanAIR® Chemical 2F Plus	EN 12941 TH3
CleanAIR® Basic	EN 12941 TH3
CleanAIR® Pressure	EN 14594 2A
CleanAIR® Pressure Flow Master	EN 14594 3B

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