TECHNICAL DATASHEET

CleanAIR® Omnira COMBI air

Flip-up welding helmet

Complies to:
AS/NZS 1716:2012
AS/NZS 1337.1:2010



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 spattersresulting 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.

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Technical specification (Omnira COMBI air)	
Product code	70 32 01
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* - respiratrory protection	powered air purifying respirators - EN12941, TH3 / NPF 500 airline sytems (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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Compatible accessories and spare parts	*Product code*
Spare protective visor TR1, clear	72 90 00
Spare protective visor TR1, yellow	72 90 01
Spare protective visor TR1, clear, aPA, chemicaly resistant	72 90 90
Spare protective visor CR1, clear CP	72 91 00
Spare protective visor TR1, shade 3	72 90 03
Spare protective visor TR1, shade 5	72 90 05
Spare flip-up welding shield CleanAIR® Omnira COMBI, compatible with passive filter	70 32 93
Spare flip-up welding shield CleanAIR Omnira COMBI, compatible with ADF S60F	70 32 92
Face seal CleanAIR® VERUS air, Omnira air	70 30 60
Protective head cover, flame retardant (Verus, Omnira)	70 30 71
Protective neck cover, flame retardant (Verus, Omnira)	70 30 72
Protective head & neck cover, flame retardant (Verus, Omnira)	70 30 73
VariGEAR Standard w/o padding, w/o sweatband	72 00 09
VariGEAR Comfort, headgear incl. sweatband	72 00 10
VariGEAR sweatband (pck of 2)	72 00 15
VariGEAR comfort set (set of sweatband and paddings)	72 00 17
Rear padding VariGEAR	72 00 14
Upper padding VariGEAR	72 00 16
Auto-darkening welding filter Aer-TEC S60F, 3/5-8/9-14, for FlipUp	40 51 61
Battery 3V for AerTEC S60 ADF	13 51 60
Protection plate outer (VERUS, Omnira COMBI, CA-40), pck of 10	70 40 80
Protection plate inner (VERUS, Omnira COMBI, Summit), pck of 10	*100/65
Protection film for visor CR1 (Uni-Mask, Omnira), pack of 10 pcs	72 03 20/10

Compatible powered air purifying respirators / airline systems	*Standard / Class*
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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