

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 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.



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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* - 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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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, chemically 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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