

TECHNICAL DATASHEET



CleanAIR® Verus air Welding helmet



Description

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. It is adapted for use with powered air purifying respirators CleanAIR® or with continuous flow compressed air breathing apparatuses CleanAIR®.

Application

Professional 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. Not suitable for laser welding.

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Technical specification

Product code	70 30 01
Weight	793 g (complete helmet)
Hose connection	QuickLOCK™
Material	Polyamide (PA)
ADF model	AerTEC™ S60+
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 - light to dark (at 23°C) 0,1 - 0,9 s - dark to light (delay)
Functions	Shade control - internal Sensitivity control - internal (1-6) Grind mode - external (shade DIN 3) Delay control - internal
Optical classes	1 – optical quality 1 – light scattering 1 – homogeneity 1 – angular dependence
True colour view	yes
Number of sensors	4
Power supply	Solar cells, Lithium 3V type CR2450 1x
Power control	Automatic - auto-ON, auto-OFF (after 30 min if not in use)
Operating conditions	-5°C to +55°C
Storage conditions	-10°C to +55°C, 20 - 95 % Rh
Certification - eye and face protection	welding helmet - EN 175 B welding filter - EN 379 (1/1/1)
Certification / NPF* - respiratory protection	powered air purifying respirators - EN 12941, TH3 / NPF 500 airline systems (supplied air) - EN 14594 (3B) / NPF 200

* 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

Welding helmet CleanAIR® Verus w/o headgear, w/o ADF	40 30 97
Welding helmet CleanAIR® Verus air incl. headgear, w/o ADF	70 30 97
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
Rear padding VariGEAR	72 00 14
Upper padding VariGEAR	72 00 16
VariGEAR comfort set (set of sweatband and paddings)	72 00 17
Battery 3V for AerTEC™ S60 ADF	13 51 60
Light flexi hose QuickLOCK™	71 00 60
Auto-darkening filter AerTEC™ S60+, 5-8/9-14	40 51 62
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
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

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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