

CleanAIR® AerGO® Powered Air Purifying Respirator



Description

The battery powered air purifying respirator (PAPR), the breathing protective device for increasing comfort and safety when combined with approved headtops.

Application

In default AerGO® provides protection against particulates, but is also capable to provide protection against a wide range of contaminants when used with combined filters.

DA-072_-_300000PA_-_AerGO_EN

TECHNICAL DATASHEET

CleanAIR® AerGO®

Powered air purifying respirator



Technical specification

Product code	300000PA				
Flow rate	160 / 175 / 190 / 210 lpm				
Battery	Standard battery		Heavy Duty battery		
Voltage	14.52 V		14.52 V		
Capacity	3.2 Ah [46.46 Wh]		6.4 Ah [92.93 Wh]		
Charging time	approx. 4 h		approx. 7 h		
Operation time*	approx. 12 hour*		approx. 20 hours*		
Battery lifespan	up to 500 charging cycles		up to 500 charging cycles		
Battery charger	Microprocessor controlled, fully automatic Input: 100 - 240 V (50/60 Hz) Output: 18 V (max. 1500 mA) Multi plug: EUR, UK, US and AUS				
Battery Multicharger	5x output 16.8 V / 1.7 A				
Weight	980 g [including standard battery]				
Dimensions	235 mm / 126 mm / 65 mm [with standard battery]				
Noisiness	< 70 dB				
Materials	Unit: polyamide Zytel ST801 Belt: textile part - polyester/nylon/rubber foam plastic part - polyamide				
Motor	Ball-bearing brushless motor				
Input / Output (threads)	Filter thread - AerGO® thread, diameter 110 mm - 2x Airflow output thread - CA40x1/7" - 1x				
Filters	P R SL	A1 P R SL	A2P R SL	A1B1E1 P R SL	A1B1E1K1P R SL
Weight	78 g	280 g	320 g	280 g	320 g
Diameter	110 mm	110 mm	110 mm	110 mm	110 mm
Height	25 mm	65 mm	58 mm	65 mm	65 mm
Belt	Comfort padded belt		Comfort leather belt		PVC belt
Waist size:	up to 1500 mm		up to 1500 mm		up to 1400 mm
Standard	EN 12941				
Protection class / NPF***	TH3 / 500				
Ingress protection	IP41				
Storage conditions	- 10°C to + 55°C, humidity 20 - 95 % RH				
Operating conditions	0°C to + 60°C, humidity 20 - 95 % RH				

* with new P3 filters and fully charged battery / ** depends on used headtop

Features

Warning system – visual, audible and vibrating alarm for low airflow and low battery charge.

Flow control system – maintains level of airflow constant regardless filter clogging or battery charge.

Spark arrester and prefilter option – it is very easy to attach spark arresters and prefilters to the filter.

LED display – LED display visualises airflow, filter clogging and battery charge.

Built-in barometric sensor – automatic airflow compensation depending on altitude. Works from -500m up to 4500m.

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. CleanAIR® products are not designed for, and may not be used in, all applications.

TECHNICAL DATASHEET



CleanAIR® AerGO®

Powered air purifying respirator

Product sets / variations

300000PA	Powered air purifying respirator AerGO®, exchangeable battery, flow indicator, charger (multi plug), comfort padded belt, P R SL filters
300000P	Powered air purifying respirator AerGO®, exchangeable battery, flow indicator, charger (multi plug), QuickLOCK™ air hose, comfort padded belt, P R SL filters
300000LA	Powered air purifying respirator AerGO®, exchangeable battery, flow indicator, charger (multi plug), comfort leather belt, P R SL filters
300000L	Powered air purifying respirator AerGO®, exchangeable battery, flow indicator, charger (multi plug), QuickLOCK™ air hose, comfort leather belt, P R SL filters
300000LH	Powered air purifying respirator AerGO®, exchangeable Heavy Duty battery, flow indicator, charger (multi plug), QuickLOCK™ air hose, comfort leather belt, A1B1E1P R SL filters
300000DA	CleanAIR AerGO with PVC belt, battery, charger and set of P R SL filters
300000	CleanAIR AerGO – set of filters P R SL, battery and with flow indicator

Spare parts and accessories

300030	Pre-filter holder, spark arrestor, pre-filter – a set of 2+2+2 pcs
300015	Pre-filter CleanAIR® AerGO® (10 pcs)
300015/50	Pre-filter CleanAIR® AerGO® (50 pcs)
300020	Spark arrestor (10 pcs)
300025	Odour filter CleanAIR®AerGO (10 pcs)
300025/50	Odour filter CleanAIR®AerGO (50 pcs)
320092	Heavy duty leather belt
300092	Comfort belt for CleanAIR® AerGO®
310013	Battery CA AerGO, Li-Ion (14.52 V / 3,2 Ah / 46.46 Wh)
310023	Battery CA AerGO Heavy Duty, Li-Ion (14.52 V / 6.4 Ah / 92.93 Wh)
310030	Battery charger, new multi-plug (compatible with 310013/23 batteries)
707030/P	Multicharger AerGO, with or without power supply
300010/2	Particle filter P R SL TR-110 thread (pack of 2 pairs)
300357	Combined filter A1P R SL TR-110 thread (set of 2 pcs)
300157	Filter A2P R SL, thread TR110 (pack of 2 pcs)
300364	Combined filter A1B1E1P R SL – OZONE, TR-110 thread (set of 2 pcs)
300368	Combined filter A1B1E1K1P R SL – OZONE, thread TR110 (pack of 2 pcs)
300092	Comfort padded belt (AerGO)
300093	Comfort belt and harness (AerGO)
300094	Comfort harness (Basic, AerGO)
300095	Comfort belt for harness (AerGO)
330052	Decomtainable PVC harness (AerGO)
330053	Decomtainable PVC belt and harness (AerGO)
330092	Decomtainable PVC belt (AerGO)
710071	Harness hose holder

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. CleanAIR® products are not designed for, and may not be used in, all applications.

TECHNICAL DATASHEET

CleanAIR® AerGO®

Powered air purifying respirator



Compatible headtops

720102	Short protective hood CA-1, orange	TH3
720102B	Short protective hood CA-1, blue	TH3
720101	Short hood CA-1 lite	TH3
720202	Long protective hood CA-2, orange	TH3
720202B	Long protective hood CA-2, blue	TH3
720201	Long hood CA-2 lite	TH3
721002	Long protective hood CA-10, chemically resistant	TH3
703100	Protective faceshield Omnira air	TH3
704001	Safety helmet CA-40 weld. shield, ADF V9-13 DS	TH3
704100	Safety helmet CA-40G grinding shield	TH3
704201	Safety helmet CA-40GW grinding + welding shield, ADF V9-13 DS	TH3
703001	Welding helmet CleanAIR® Verus air, incl. ADF S60+	TH3
703201	Welding helmet CleanAIR Omnira COMBI air, incl. ADF S60F	TH3
702800	Welding helmet CA-28 Euromaski	TH2
70.4441.600	Welding helmet AerTEC™ OptoMAX Air incl. ADF with air distribution, silver	TH3
70.4441.601	Welding helmet AerTEC™ OptoMAX Air incl. ADF with air distribution, black	TH3
702701	Welding helmet CA27 YOGA, including air distribution and ADF AerTEC™ X1004/9-13	TH2
702701TC	Welding helmet CA27 YOGA, including air distribution and ADF AerTEC™ X1104/9-13	TH2
720300.01	Protective face shield UniMask®, grey	TH3
720300.08	Protective face shield UniMask®, neoprene	TH3

* production ended in 2023

Safety Certification

The Standard battery complies with the safety requirements of the following standards:

UN 38.3 – transport safety test for lithium-ion cells and batteries.

IEC 62133-2 – safety standard for rechargeable lithium batteries used in portable devices.

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. CleanAIR® products are not designed for, and may not be used in, all applications.