

CleanAIR® Chemical 2F Asbest

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

The high performance respiratory protection system for environments contaminated by asbestos fibres.

DA-010_-510000ASD_-Chemical_2F_Asbest_-_EN

TECHNICAL DATASHEET

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Technical specification

Product code	51 00 00ASD		
Flow rate	Airflow [lpm]	Mode	Filter category
	160 / 185 / 210 / 235	Asbest EN 12942	Particle
	160 / 185 / 210		Light combined (class 1)
	160		Heavy combined (class 2)
	160		Heavy combined (class 3)
Battery	Standard battery	Heavy Duty battery	
Voltage	14,4 V	14,4 V	
Capacity	2,6 Ah	5,2 Ah	
Charging time	< 3 hours	< 6 hours	
Operation time*	< 10 hour*	< 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. 1 500 mA) Available plugs: EUR, UK and AUS		
Weight	1 000 g (incl. standard battery, excl. filters)		
Dimensions	235 mm / 126 mm / 65 mm (with standard battery)		
Noisiness	< 70 dB		
Materials	Unit: high performance polyamide Belt: PVC		
Motor	Ball-bearing brushless motor		
Input / Output (threads)	Filter thread - RD40x1/7" - 2x Airflow output thread - CA40x1/7" - 1x		
Belt - waist size:	Decontaminable PVC belt - up to 1 500 mm		
Standard	EN 12941	EN 12942	
Protection class / NPF**	TH3 / 500	TM3 / 2000	
Ingress protection	IP64:	When switched ON (without any further requirements)	
	IP65:	When switched ON (set of spark arresters and pre-filter holders - 50 01 12)	
	IP68:	When switched OFF (with plugged inputs and output - 51 00 46)	
Display	TFT display (262k colours, 160x160 px) (showing actual working mode, airflow, filter condition and battery status)		
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

Disclaimer Notice

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Product sets / variations

51 00 00ASD CleanAIR® Chemical 2F Asbest incl. PVC belt, Li-Ion battery, charger, flow indicator (w/o hose)

* Add U or AUS to the end of product code for ordering charger with UK or AUS plug

Spare parts and accessories

51 00 10	Standard battery Li-Ion 14,4 V / 2,6 Ah
51 00 11	Primary Li-Ion battery, non-rechargeable
51 00 15.1	Power adaptor 230 V / 24 V for the main socket
51 00 15.2	Power adaptor 12 V -24 V – car power socket
51 00 20	Heavy Duty battery Li-Ion 14,4 V / 5,2 Ah
51 00 51	Decontaminable belt PVC - 2F/3F
51 00 52	Decontaminable harness
71 00 60	Light flexi hose QuickLOCK™ - CA40x1/7"
71 00 86	Rubber hose QuickLOCK™ – CA40x1/7"
71 00 62F	Hose cover flameproof
70 00 62C	Hose cover chemical resistant
700060	Light flexi hose CA40x1/7" - CA40x1/7" - mask compatible only
700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible only
700086L	Rubber hose CA40x1/7" - CA40x1/7" straight - 900mm - mask compatible only
700086R	Rubber hose CA40x1/7" - CA40x1/7" 90° - mask compatible only
700086RL	Rubber hose CA40x1/7" - CA40x1/7" 90° - longer - mask compatible only
710060L	QuickLOCK Light flexi hose, extended
710086L	QuickLOCK Rubber hose, extended
51 00 30EUR	Charger Li-Ion 14,4 V - EURO
51 00 30UK	Charger Li-Ion 14,4 V - UK
51 00 30AUS	Charger Li-Ion 14,4 V - AUS
51 00 46	Set of plugs (2x external thread, 1x internal thread) for decontamination of unit 2F
52 01 01	TFT display protective foil

Technical features

Warning system - visual and audible warning for low airflow and low battery charge.

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

Automatic closing system - reduces the risk of unwanted contamination of the unit while the filters are being changed

Allows immersion disinfection - with input and output threads plugs on (Sodium hypochloride or Persteril).

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

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Compatible headtops

70 05 00	Half mask CA-5 Eurmask DIN	TM2
71 06 00	Full face mask GX02, size [S, M, L]	TM3
72 06 00	Full face mask CF02, size [M, L]	TM3

Compatible filters

Product code: Product name

Product code	Product name	P-white	A-brown	AX-brown	B-grey	E-yellow	K-green	Hg-red	Ozone (10 ppm)	EN 14387	EN 143	EN 12941	EN 12942	EN 148-1 (RD40x17")	Note:
Combined filters, thread RD40*1/7"															
50 03 57	A1P3	✓	✓									✓	✓	✓	-
50 01 57	A2P3	✓	✓							✓		✓	✓	✓	-
50 01 62	B2P3	✓			✓				✓	✓		✓	✓	✓	-
50 01 60	K2P3	✓					✓		✓	✓		✓	✓	✓	-
50 01 67	A2B2P3	✓	✓		✓				✓	✓		✓	✓	✓	-
50 01 64	A2B2E2P3	✓	✓		✓	✓			✓	✓		✓	✓	✓	-
50 03 64	A1B1E1P3	✓	✓		✓	✓						✓	✓	✓	-
50 01 68	A2B2E2K2P3	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓	-
50 01 65X	NBC - A2B2E2K2P3	✓	✓		✓	✓	✓			✓		✓	✓	✓	NBC filter
50 01 66	A2B2E2K2HgP3	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	max. 50 hours
50 01 70	A3AXP3	✓	✓	✓								✓	✓		-
50 02 57	A2P - ZERO	✓	✓							✓		✓	✓	✓	two-thread filter
50 02 66	A2B2E2K2HgP - ZERO	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	two-thread filter
50 02 68	A2B2E2K2P - ZERO	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓	two-thread filter
Particle filters, thread RD40*1/7"															
50 00 48	P3	✓										✓	✓	✓	-
50 02 49	ZERO	✓										✓	✓	✓	two-thread filter
50 40 48	P3 lite	✓										✓	✓	✓	-
50 42 49	ZERO lite	✓										✓	✓	✓	two-thread filter

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