

TECHNICAL DATASHEET



WWW.clean-air.cz

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

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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		3,2 Ah		4,9 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	Battery CA Chemical 2F, Li-Ion (14,4V / 3,2Ah)
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	Battery CA Chemical 2F Heavy Duty, Li-Ion (14,4V / 4,9Ah)
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
707051	Multicharger 2F - 5 slots, without power supply
707051P	Multicharger 2F -5 slots, incl. power supply and AC cords
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).

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

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

		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 [RD40x1/7"]	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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