

**Product code**

51 00 00FCA  
(including comfort belt, charger,  
battery, flow indicator)

**Product description**

Powered air purifying respirator  
(PAPR), battery powered


**Standards**

EN 12941 protection class TH3; NPF = 500\*  
EN 12942 protection class TM3; NPF = 2000\*

**Operation time**

up to 10 hours  
(with clean particle filters, fully-charged battery and the bottom level of air flow)

**Flow rate**

Airflow [lpm]	Mode	Filter category
120 / 140 / 160	Mask EN 12942	Particle
120 / 140 / 160		Light combined (class 1)
120 / 140		Heavy combined (class 2)
160 / 185 / 210 / 235	Hood EN 12941	Particle
160 / 185 / 210		Light combined (class 1)

**Warning system (alarm)**

Visual and audible warning for low airflow and low battery charge

**Display**

TFT display [262k colours, 160x160 px]  
(showing actual working mode, airflow, filter condition and battery status)

**Flow control system**

Maintains level of airflow constant regardless filter clogging or  
battery charge

**Motor**

High quality ball-bearing brushless motor

**Battery**

Exchangeable Li-Ion 14,4 V / 2,6 Ah  
Battery lifespan: up to 500 charging cycles  
Charging time: < 3 hours

**Battery charger**

Microprocessor controlled, fully automatic  
Input: 100 - 240 V (50/60 Hz)  
Output: 16,8 V  
Plug: EURO, UK, US and AUS

**Belt**

Comfort padded belt  
Waist size: up to 1 500 mm

**Weight**

960 g (including battery)

**Dimensions**

240 mm / 110 mm / 120 mm

**Materials**

Unit: high performance polyamide Zytel ST801  
Belt: textile part - polyester/nylon/rubber foam

**Noisiness**

< 62 dB  
\* nominal protection factor depends on used headtop

## Product sets / variations

product code	product description
51 00 00FCA*	Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), comfort padded belt, flow indicator
51 00 00FDA*	Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), <b>decontaminable belt</b> , flow indicator
51 00 00LA*	Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), <b>comfort leather belt</b> , flow indicator

\* for ordering variation with UK plug please add „U“ at the end of the product code; for AUS plug please add „-AUS“ at the end of the product code

## Recommended hose type

71 00 60 - Light flexi hose  
(internal connector QuickLOCK - external thread CA40x1/7")  
Adjustable length: 600 mm - 1 100 mm / Weight: 150 g

## Spare parts and accessories

product code	product description
51 00 10	Battery Li-Ion 14,4 V / 2,6 Ah
51 00 20	Battery Li-Ion Heavy Duty 14,4 V / 5,2 Ah
71 00 92	Comfort padded belt
72 00 92	Comfort leather belt
51 00 41	Decontaminable belt
51 00 42	Decontaminable harness
52 00 44.1	Comfort padded 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
51 00 30EUR	Charger for CleanAIR® Chemical 2F (EURO - plug)
51 00 46	Set of plugs (2x external thread, 1x internal thread) for decontamination of unit 2F
52 01 01	TFT display protective foil
50 00 48	Particle filter P3*
50 01 57	Combined filter A2P3*
50 01 67	Combined filter A2B2P3*
50 01 68	Combined filter A2B2E2K2P3*
50 01 66	Combined filter A2B2E2K2HgP3*

\* The table is not containing entire list of compatible filters. For complete list of filters, please contact your supplier for more information.

## Compatible headtops (According to EN 12941)

product code	product description	level of protection
71 01 00*	Short hood CA-1 orange	TH2
71 02 00*	Long hood CA-2 orange	TH2
71 02 00G	Long hood CA-2 chem. resistant grey	TH2
71 10 00*	Universal hood CA-10 orange	TH3
71 10 00G	Universal hood CA-10 chem. resistant grey	TH3
71 03 00	Grinding shield CA-3 (polycarbonate visor)	TH2
71 03 01	Grinding shield CA-3 (acetate visor)	TH2
71 04 01*	Safety helmet CA-4 orange face seal	TH2
71 04 03*	Safety helmet CA-4 additional flip-up visor, earmuffs, orange face seal	TH2
70 40 01	Safety helmet CA-40 weld. shield, ADF V9-13 DS	TH2
70 41 00	Safety helmet CA-40G grinding shield	TH2
70 42 01	Safety helmet CA-40GW grinding + welding shield, ADF V9-13 DS	TH2
70 20 70	Welding hood CA-20 ADF V9-13 DS	TH3
70 20 81	Welding hood CA-20 ADF V6-8/9-13 GDS	TH3
70 29 01	Welding hood CA-29 Evolve ADF V9-13 DS	TH2
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

## (According to EN 12942)

\* for ordering blue face seal please add „B“ at the end of the product code  
\*\* add S, M, or L and choose the size of the mask

## Areas of application

CleanAIR® Chemical 2F when is used as an approved system with P R SL filter provides protection against particles in the form of liquid and solid aerosols e.g. dust, smoke, metal fumes, mists and fibers. Gas filters provides protection againts contaminants in form of gasses and vapours.

Combined filters provides protection against combination of contaminants in the form of gases, vapours and particulates.

CleanAIR® Chemical 2F in combination with an appropriate headtop and filters can be used in various application including: dusty industrial environments, automotive industry, shipbuilding industry, welding, grinding, surface finishing operations, building industry, agriculture. List of compatible headtops and level of protection provided by selected combination with CleanAIR® Chemical 2F you can find above (see table „Compatible headtops“).

## Limitations



## Storage conditions Operating conditions

-10°C to + 55°C, humidity 20 - 80 % RH  
+10°C to + 40°C, humidity 20 - 95 % RH

- Please, read carefully relevant instruction for use and follow your national safety regulations for PPE.