

## Product code

52 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\*



IP65 - Ingress Protection against liquids and solid particles  
[6] - Totally protected against dust ingress.  
[5] - Protected against low pressure water jets from any direction.

## Operation time

up to 10 hours  
(with clean 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 / 160		Heavy combined (class 2)
160 / 185 / 210 / 235	Hood EN 12941	Particle
160 / 185 / 210 / 235		Light combined (class 1)
160 / 185 / 210		Heavy combined (class 2)

## 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: 18 V (max. 1 500 mA)  
Plug: Euro

## Belt

Comfort padded belt  
Waist size: up to 1 500 mm

## Weight

1 100 g (including battery)

## Dimensions

320 mm / 200 mm / 150 mm

## Materials

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

## Noisiness

< 62 dB

\* nominal protection factor depends on used headtop

## Product sets / variations

product code	product description
52 00 00FCA	Powered air purifying respirator 3F, exchangeable battery, charger (EURO - plug), comfort padded belt, flow indicator
52 00 00FCAU	Powered air purifying respirator 3F, exchangeable battery, charger (UK - plug), comfort padded belt, flow indicator
52 00 00FCA-AUS	Powered air purifying respirator 3F, exchangeable battery, charger (AUS - plug), comfort padded belt, flow indicator
52 00 00FDA	Powered air purifying respirator 3F, exchangeable battery, charger (EURO - plug), decontaminable belt, flow indicator
52 00 00FDAU	Powered air purifying respirator 3F, exchangeable battery, charger (UK - plug), decontaminable belt, flow indicator
52 00 00FDA-AUS	Powered air purifying respirator 3F, exchangeable battery, charger (AUS - plug), decontaminable belt, flow indicator

## Recommended hose type

70 00 60 - light flexi hose  
(internal thread CA40x1/7" - external thread CA40x1/7")  
Adjustable length: 600 mm - 1 100 mm / Weight: 150 g

## Spare parts and accessories

product code	product description
52 00 10	Battery Li-Ion 14,4 V / 2,6 Ah
52 00 43.1	Comfort padded belt
51 00 41	Decontaminable belt
51 00 42	Decontaminable harness
52 00 44.1	Comfort padded harness
70 00 60	Light flexi hose CA40x1/7"- CA40x1/7" - straight conn.
70 00 86CA	Rubber hose CA40x1/7"- CA40x1/7" - straight connector
71 00 62F	Hose cover flameproof
70 00 62C	Hose cover chemical resistant
51 00 30EUR	Charger for CleanAIR® Chemical 3F plus (EURO - plug)
52 00 46	Set of plugs (3x external thread, 1x internal thread) for decontamination of unit 3F
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	TH2
70 41 00	Safety helmet CA-40G grinding shield	TH2
70 42 01	Safety helmet CA-40GW grinding + welding shield, ADF	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 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  
\*\* for ordering variant with flexi seal, please add „F“ at the end of the code

## Areas of application

CleanAIR® Chemical 3F 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, fibers.

Gas filters provides protection againsts 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 3F 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 3F 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 - 80 % RH

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